

# ICHOR HOLDINGS, LTD.

## **FORM S-1/A** (Securities Registration Statement)

Filed 04/24/17

Address	3185 LAURELVIEW CT. FREMONT, CA, 94538
Telephone	510-897-5200
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**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**AMENDMENT NO. 1  
TO  
FORM S-1  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**ICHOR HOLDINGS, LTD.**

(Exact name of registrant as specified in its charter)

**Cayman Islands**  
(State or other jurisdiction  
of incorporation or organization)

**3674**  
(Primary Standard Industrial  
Classification Code Number)

**Not Applicable**  
(I.R.S. Employer  
Identification No.)

**3185 Laurelview Ct.  
Fremont, California 94538  
(510) 897-5200**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Thomas M. Rohrs  
Chairman and Chief Executive Officer  
Ichor Systems, Inc.  
3185 Laurelview Ct.  
Fremont, California 94538  
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**Approximate date of commencement of proposed sale to the public: As soon as practicable after this Registration Statement becomes effective.**

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, and accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act:

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company  Emerging growth company   
(Do not check if a smaller reporting company)

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

**CALCULATION OF REGISTRATION FEE**

<b>Title of Each Class of Securities Offered</b>	<b>Amount to be registered(1)(2)</b>	<b>Proposed maximum offering price per share(3)</b>	<b>Proposed maximum aggregate offering price(1)</b>	<b>Amount of registration fees(4)</b>
Ordinary shares, par value \$0.0001 per share	5,175,000	\$18.55	\$95,996,250	\$11,126

(1) Represents shares offered by the selling shareholders.

(2) Includes 675,000 ordinary shares that may be sold upon exercise of an option to purchase additional shares granted to the underwriters.

(3) Estimated solely for the purpose of calculating the registration fee in accordance with Rule 457(c) promulgated under the Securities Act of 1933, as amended, based upon the average high and low prices per share of the registrant's ordinary shares of \$18.55 as quoted on the NASDAQ Global Select Market on April 21, 2017.

(4) This amount was previously paid in connection with the filing of this Registration Statement.

**The registrant hereby amends this Registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities act of 1933 or until this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.**

The information in this prospectus is not complete and may be changed. The selling shareholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Subject to Completion  
Preliminary Prospectus dated April 24, 2017

PROSPECTUS

4,500,000 Shares



ICHOR HOLDINGS, LTD.  
Ordinary Shares

The selling shareholders named in this prospectus are offering 4,500,000 of our ordinary shares. We will not receive any proceeds from the sale of our ordinary shares in this offering.

Our ordinary shares are listed on the NASDAQ Global Select Market, or NASDAQ, under the symbol "ICHR." On April 21, 2017, the last reported sale price of our ordinary shares on NASDAQ was \$18.36 per share.

Investing in our ordinary shares involves risks that are described in the "[Risk Factors](#)" section beginning on page 16 of this prospectus.

We are an "emerging growth company" as defined in Section 2(a)(19) of the Securities Act of 1933, as amended, or the Securities Act, and, as such, are allowed to provide in this prospectus more limited disclosures than a registrant that would not so qualify. In addition, for so long as we remain an emerging growth company, we will qualify for certain limited exceptions from investor protection laws such as the Sarbanes-Oxley Act of 2002. Please read "Risk Factors—Risks Related to this Offering and Ownership of Our Ordinary Shares—We are an "emerging growth company" and may elect to comply with reduced public company reporting requirements, which could make our ordinary shares less attractive to investors."

	Per Share	Total
Public offering price	\$	\$
Underwriting discounts(1)	\$	\$
Proceeds, before expenses, to the selling shareholders	\$	\$

(1) We refer you to "[Underwriting](#)" beginning on page 129 of this prospectus for additional information regarding underwriting compensation.

The underwriters may also exercise their option to purchase up to 675,000 additional ordinary shares from the selling shareholders named in this prospectus at the public offering price, less the underwriting discount, for a period of 30 days after the date of this prospectus.

Neither the Securities and Exchange Commission, or SEC, nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The ordinary shares will be ready for delivery on or about \_\_\_\_\_, 2017.

Deutsche Bank Securities  
RBC Capital Markets

Cowen and Company

Stifel  
Needham & Company

The date of the prospectus is \_\_\_\_\_, 2017.

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Neither we, the selling shareholders nor the underwriters have authorized anyone to provide you with any information other than that contained in this prospectus or in any free writing prospectus prepared by or on behalf of us or to which we have referred you. The selling shareholders are offering to sell, and seeking offers to buy, our ordinary shares only in jurisdictions where such offers and sales are permitted. The information in this prospectus or any free writing prospectus is accurate only as of its date, regardless of its time of delivery or the time of any sale of our ordinary shares. Our business, financial condition, results of operations and prospects may have changed since that date.

## INDUSTRY AND MARKET DATA

We obtained the market and industry data and other statistical information used throughout this prospectus from our own research, surveys or studies conducted by third parties, independent industry or general publications and other published independent sources. In particular, we have based much of our discussion concerning the industry and market in which we operate on independent data, research opinions and viewpoints published by Gartner, Inc., or Gartner. While we believe that each of these sources is reliable, neither we nor the underwriters have independently verified the accuracy or completeness of such data. Similarly, we believe our internal research is reliable, but it has not been verified by any independent sources.

The reports by Gartner, or Gartner Reports, described herein represent research opinion or viewpoints published as part of a syndicated subscription service by Gartner, and are not representations of fact. Each of the following Gartner Reports speaks as of its original publication date (and not as of the date of this prospectus) and the opinions expressed in the Gartner Reports are subject to change without notice:

- Gartner, Forecast: Semiconductor Wafer-Level Manufacturing Equipment, Worldwide, 3Q16 Update, Authors: Bob Johnson, Klaus Rinnen, David Christensen, Takashi Ogawa, Jim Walker and Barbara Van, October 6, 2016.
- Gartner, Forecast: Semiconductor Wafer-Level Manufacturing Equipment, Worldwide, 4Q14 Update, Authors: Dean Freeman, Bob Johnson, Klaus Rinnen, Mark Stromberg, David Christensen, Takashi Ogawa and Barbara Van, December 18, 2014.
- Gartner, Market Share Analysis: Semiconductor Wafer-Level Manufacturing Equipment, Worldwide, 2015, Authors: Bob Johnson, Takashi Ogawa, Barbara Van, David Christensen, April 19, 2016.

## **TRADEMARKS AND TRADE NAMES**

This prospectus includes our trademarks and service marks which are protected under applicable intellectual property laws and are the property of Ichor Holdings, Ltd. or its subsidiaries. This prospectus also contains trademarks, service marks, trade names and copyrights, of other companies, which are the property of their respective owners. Solely for convenience, trademarks and trade names referred to in this prospectus may appear without the ® or ™ symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the right of the applicable licensor to these trademarks and trade names. We do not intend our use or display of other parties' trademarks, trade names or service marks to imply, and such use or display should not be construed to imply, a relationship with, or endorsement or sponsorship of us by, these other parties.

## PROSPECTUS SUMMARY

*The following is a summary of material information discussed in this prospectus. This summary may not contain all the details concerning our business, our ordinary shares or other information that may be important to you. You should carefully review this entire prospectus, including the “Risk Factors” section and our financial statements and the notes thereto included elsewhere in this prospectus, before making an investment decision. As used in this prospectus, unless the context otherwise indicates, the references to “Ichor,” “our business,” “we,” “our,” or “us” or similar terms refer to Ichor Holdings, Ltd. and its consolidated subsidiaries. Unless otherwise indicated or the context otherwise requires, financial and operating data in this prospectus reflects the consolidated business and operations of Ichor Holdings, Ltd. and its wholly-owned subsidiaries and excludes discontinued operations, as described in “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Key Factors Affecting Our Business.”*

*We use a 52 or 53 week fiscal year ending on the last Friday in December. The years ended December 30, 2016, December 25, 2015, and December 26, 2014 were 53 weeks, 52 weeks, and 52 weeks, respectively. All references to 2016, 2015, and 2014 are references to fiscal years unless explicitly stated otherwise.*

### Company Overview

We are a leader in the design, engineering and manufacturing of critical fluid delivery subsystems for semiconductor capital equipment. Our primary offerings include gas and chemical delivery subsystems, collectively known as fluid delivery subsystems, which are key elements of the process tools used in the manufacturing of semiconductor devices. Our gas delivery subsystems deliver, monitor and control precise quantities of the specialized gases used in semiconductor manufacturing processes such as etch and deposition. Our chemical delivery subsystems precisely blend and dispense the reactive liquid chemistries used in semiconductor manufacturing processes such as chemical-mechanical planarization, or CMP, electroplating and cleaning. We also manufacture certain components for internal use in fluid delivery systems and for direct sales to our customers. This vertically integrated portion of our business is primarily focused on metal and plastic parts that are used in gas and chemical systems, respectively.

Fluid delivery subsystems ensure accurate measurement and uniform delivery of specialty gases and chemicals at critical steps in the semiconductor manufacturing processes. Any malfunction or material degradation in fluid delivery reduces yields and increases the likelihood of manufacturing defects in these processes. Historically, semiconductor original equipment manufacturers, or OEMs, internally designed and manufactured the fluid delivery subsystems used in their process tools. Currently, most OEMs outsource the design, engineering and manufacturing of their gas delivery subsystems to a few specialized suppliers, including us. Additionally, many OEMs are also increasingly outsourcing the design, engineering and manufacturing of their chemical delivery subsystems due to the increased fluid expertise required to manufacture these subsystems. Outsourcing these subsystems has allowed OEMs to leverage the suppliers’ highly specialized engineering, design and production skills while focusing their internal resources on their own value-added processes. We believe that this outsourcing trend has enabled OEMs to reduce their fixed costs and development time, as well as provided significant growth opportunities for specialized subsystems suppliers like us.

Our goal is to be the premier supplier of outsourced fluid delivery subsystems to OEMs engaged in manufacturing capital equipment to produce semiconductors and to leverage our technology into new markets. To achieve this goal, we engage with our customers early in their design and development processes and utilize our deep engineering resources and operating expertise to jointly create innovative and advanced solutions that meet the current and future needs of our customers. These collaborations frequently involve our engineers working at our customers' sites and serving as an extension of our customers' product design teams. We employ this approach with two of the largest manufacturers of semiconductor capital equipment in the world. We believe this approach enables us to design subsystems that meet the precise specifications our customers demand, allows us to often be the sole supplier of these subsystems during the initial production ramp and positions us to be the preferred supplier for the full five to ten-year lifespan of the process tool.

The broad technical expertise of our engineering team, coupled with our early customer engagement approach, enables us to offer innovative and reliable solutions to complex fluid delivery challenges. With two decades of experience developing complex fluid delivery subsystems and meeting the constantly changing production requirements of leading semiconductor OEMs, we have developed expertise in fluid delivery that we offer to our OEM customers. In addition, our capital efficient model and the integration of our business systems with those of our customers provides us the flexibility to fulfill increased demand and meet changing customer requirements with minimum additional capital outlay. With an aim to superior customer service, we have a global footprint with many facilities strategically located in close proximity to our customers. We have established long standing relationships with top tier OEM customers, including Lam Research Corporation, or Lam Research, and Applied Materials, Inc., or Applied Materials, which were our two largest customers by sales in 2016.

We grew our sales by 40% to \$405.7 million in 2016 from \$290.6 million in 2015. We generated net income from continuing operations of \$20.8 million in 2016 and \$12.8 million in 2015. We generated adjusted net income of \$31.6 million in 2016 and \$20.2 million in 2015. See "Prospectus Summary—Summary Consolidated Financial Data" for a discussion of adjusted net income from continuing operations, an accompanying presentation of the most directly comparable financial measure calculated in accordance with generally accepted accounting principles in the United States, net income from continuing operations, and a reconciliation of the differences between adjusted net income from continuing operations and net income from continuing operations.

### **Our Industry**

We design, engineer and manufacture critical fluid delivery subsystems for semiconductor capital equipment.

#### **The Semiconductor Device Industry is Large and Growing**

Semiconductors are essential building blocks in all electronic systems. In recent years, semiconductor growth has been driven largely by increasing global demand for mobile devices and computer network systems. As consumers increasingly become accustomed to end products with higher functionality, better power management and smaller form factors, the demand for advanced semiconductor devices is expected to grow. Gartner estimates the semiconductor device market is expected to grow to \$350.1 billion in 2017 from \$315.0 billion in 2013.

### **Semiconductor Manufacturing Process is Complex and Constantly Evolving**

Semiconductor manufacturing is complex and capital-intensive, requiring hundreds of process steps utilizing specialized manufacturing equipment. Technological advancements in semiconductor manufacturing have traditionally led to a continual increase in the number of transistors in a given area of silicon, enabling smaller and more feature-rich devices. As a result, semiconductor device manufacturers must continuously refine their manufacturing processes and invest in next-generation manufacturing equipment that can produce semiconductors with a smaller chip size or an increasing number of features. Gartner estimates that the global spend on wafer fabrication equipment will grow to \$35.7 billion in 2017 from \$27.3 billion in 2013.

### **Changing Semiconductor Manufacturing Processes are Increasing the Need for Fluid Delivery Systems**

A number of innovations in the design and manufacturing of semiconductors are being adopted in order to meet the continuing miniaturization and functionality demands, including multiple patterning, tri-gate, or FinFET, transistors and three-dimensional, or 3D, semiconductors, as well as advanced packaging. Each of these innovations increases the number of process steps that a wafer must pass through during the manufacturing process, in particular, the number of etch, deposition and CMP steps. For example, according to Gartner, changes in the market for process requirements will drive an average annual growth in etch spending of 15% and chemical vapor deposition, or CVD, spending of 15% from 2013 to 2017. This growth benefits us directly as the majority of our gas delivery subsystems are used in etch and CVD processes. Also according to Gartner, spending on chemical-mechanical planarization, or CMP, will grow at an average annual rate of 13% over the same period. This is the primary step where chemical delivery systems are used.

### **Semiconductor Capital Equipment Industry is Concentrated**

The semiconductor capital equipment industry is dominated by a few large OEMs which focus on developing specialized process tools for the many complex manufacturing process steps. As semiconductor manufacturing has become more technically advanced and capital intensive in recent years, the semiconductor equipment industry has experienced significant consolidation in order for the remaining OEMs to leverage economies of scale for delivering larger and more complex tools. As a result, most major semiconductor equipment markets are now typically supplied by a limited number of major global suppliers. According to Gartner, the top five semiconductor equipment OEMs by sales in 2015 represented 67% of the total market for wafer fabrication equipment.

### **Semiconductor Capital Equipment OEMs Outsource Critical Subsystems including Fluid Delivery Subsystems**

OEMs are increasingly outsourcing the development, design, prototyping, engineering, manufacturing, assembly and testing of various critical subsystems to specialized independent suppliers. We believe that subsystem outsourcing has allowed OEMs to benefit from the highly specialized engineering, design and manufacturing skills of the subsystem suppliers while focusing internal resources on their own most critical value-added subsystems and processes. This outsourcing trend has been particularly applicable to the fluid delivery subsystem market. Over the past decade, as gas delivery subsystems have become more complex, most OEMs have increasingly outsourced the design, engineering and manufacturing of these subsystems to third party suppliers. OEMs are now also beginning to outsource chemical delivery subsystems, creating an additional opportunity for suppliers with fluid delivery capabilities.

## **Our Competitive Strengths**

As a leader in the fluid delivery industry, we believe that our key competitive strengths include the following:

### **Deep Fluids Engineering Expertise**

We believe that our engineering team, comprised of chemical engineers, mechanical engineers and software and systems engineers, has positioned us to expand the scope of our solutions, provide innovative subsystems and strengthen our incumbent position at our OEM customers. Many of our engineers are industry veterans and have spent a significant portion of their careers at our customers, bringing first-hand expertise and a heightened understanding of our customers' needs. Our engineering team acts as an extension of our customers' product development teams, providing our customers with technical expertise that is outside of their core competencies.

### **Early Engagement with Customers on Product Development**

We seek to engage with our customers and potential customers very early in their process for new product development. We believe this approach enables us to collaborate on product design, qualification, manufacturing and testing in order to provide a comprehensive, customized solution. Through early engagement during the complex design stages, our engineering team gains early insight into our customers' technology roadmaps which enables us to pioneer innovative and advanced solutions. In many cases our early engagement with our customers enables us to be the sole source supplier when the product is initially introduced.

### **Long History and Strong Relationships with Top Tier Customers**

We have established deep relationships with top tier OEMs such as Lam Research and Applied Materials, which were our two largest customers by sales in 2016. Our customers are global leaders by sales and are considered consolidators in the increasingly concentrated semiconductor capital equipment industry. Our existing relationships with our customers have enabled us to effectively compete for new fluid delivery subsystems for our customers' next generation products in development. We leverage our deep rooted existing customer relationships with these market leaders to penetrate new business opportunities created through industry consolidation. Our close collaboration with them has contributed to our established market position and key supplier awards.

### **Operational Excellence with Scale to Support the Largest Customers**

Over our 17 year history of designing and building gas delivery systems, we have developed deep capabilities in operations. We have strategically located our manufacturing facilities near our customers' locations in order to provide fast and efficient responses to new product introductions, and accommodate configuration or design changes late in the manufacturing process. We have also built significant capacity in Singapore to support high volume products. In addition to providing high quality and reliable fluid delivery subsystems, one of our principal focuses is delivering short lead times to allow our customers the maximum flexibility in their production processes. We have accomplished this by investing in manufacturing systems and developing an efficient supply chain. Our focus on operational efficiency and flexibility allows us to respond quickly to customer requests by frequently shipping products to customers less than three weeks after receiving the order.

### **Capital Efficient and Scalable Business Model**

In general, our business is not capital intensive and we are able to grow sales with a low investment in property, plant and equipment and low levels of working capital. In 2016 and 2015, our total capital expenditures were \$4.3 million and \$1.4 million, respectively. In particular, our close supplier relationships also enable us to scale production quickly without maintaining significant inventory on hand. The semiconductor capital equipment market has historically been cyclical. We have structured our business to minimize fixed manufacturing overhead and operating expenses to enable us to grow net income at a higher rate than sales during periods of growth. For example, from 2014 to 2016, sales grew at a compound annual growth rate, or CAGR, of 27.6% while adjusted net income grew at a CAGR of 64.4%. Conversely, our low fixed cost approach allows us to minimize the impact of cyclical downturns on our net income, but results in a smaller increase in gross margin as a percentage of sales in times of increased demand.

### **Our Growth Strategy**

Our objective is to enhance our position as a leader in providing fluid delivery solutions, including subsystems and tool refurbishment, to our customers by leveraging our core strengths. The key elements of our growth strategy are:

#### **Grow Our Market Share within Existing Customer Base**

We intend to grow our position with existing customers by continuing to leverage our specialized engineering talent and early collaboration approach with OEMs to foster long-term relationships. Each of our customers produces many different process tools for various process steps. At each customer, we are the outsourced supplier of fluid delivery subsystems for a subset of their entire process tool offerings. We are constantly looking to expand our relationships and to capture additional share at our existing customers. We believe that our early collaborative approach with customers positions us to deliver innovative and dynamic solutions, offer timely deployment and meet competitive cost targets, further enhancing our brand reputation. For example, due to previous successful engineering projects with a particular OEM, we were selected as the development partner on key next generation platforms. Success on these platforms, along with other operational successes, grew our sales from \$1.1 million in 2011 to \$36.2 million in 2016. Through our recent purchase of plastic machining and fabrication company, we were able to enter the market for chemical delivery subsystems for CMP process tools where we had only limited engagement in the past. Using this and our existing engineering capability, we were awarded the design and manufacturing of the chemical delivery module for one of our two largest customers who is a market leader in this space.

#### **Grow Our Total Available Market at Existing Customers with Expanded Product Offerings**

We continue to work with our existing core customers on additional opportunities, including chemical delivery, one of our important potential growth areas. We believe that wet processes, such as CMP and clean and electro chemical deposition, or ECD, that require precise chemical delivery are currently an underpenetrated market opportunity for us. By leveraging our existing customer relationships and strong reputation in fluid mechanics, we intend to increase our chemical delivery module market share as well as to introduce additional related products. In April 2016, we acquired Ajax-United Patterns & Molds, Inc., or Ajax, and its subsidiaries, or the Ajax Acquisition, to add chemical delivery subsystem capabilities with our existing

customers. The Ajax Acquisition has allowed us to manufacture and assemble the complex plastic and metal products required by the medical, biomedical, semiconductor and data communication equipment industries.

#### **Expand Our Total Customer Base within Fluid Delivery Market**

We are actively in discussions with new customers that are considering outsourcing their gas and chemical delivery needs. As an example, we were recently selected as the manufacturing partner for a provider of etch process equipment that was previously not a customer of ours.

#### **Expand Into Emerging Opportunities**

We plan to leverage our existing manufacturing platform and engineering expertise to develop or acquire new products and solutions for attractive, high growth applications within new markets such as medical, research, oil and gas and energy. We believe these efforts will diversify our sales exposure while capitalizing on our current capabilities.

#### **Continue to Improve Our Manufacturing Process Efficiency**

We continually strive to improve our processes to reduce our manufacturing process cycle time, improve our ability to respond to last minute design or configuration changes, reduce our manufacturing costs and reduce our inventory requirements in order to improve profitability and make our product offerings more attractive to new and existing customers.

#### **Risk Factors**

There are a number of risks that you should understand before making an investment decision regarding this offering. These risks are discussed more fully in the section entitled "Risk Factors" following this prospectus summary. These risks include, but are not limited to:

- Our business depends significantly on expenditures by manufacturers in the semiconductor capital equipment industry, which, in turn, is dependent upon the semiconductor device industry. When that industry experiences cyclical downturns, demand for our products and services is likely to decrease, which would likely result in decreased sales. We may also be forced to reduce our prices during cyclical downturns without being able to proportionally reduce costs.
- We rely on a very small number of OEM customers for a significant portion of our sales. Any adverse change in our relationships with these customers could materially adversely affect our business, financial condition and results of operations.
- Our customers exert a significant amount of negotiating leverage over us, which may require us to accept lower prices and gross margins or increased liability risk in order to retain or expand our market share with them.
- The industries in which we participate are highly competitive and rapidly evolving, and if we are unable to compete effectively, our business, financial condition and results of operations could be materially adversely affected.
- You may not be able to resell your ordinary shares at or above the offering price, and there may not be an active market for our ordinary shares.

- The price of our ordinary shares may fluctuate substantially.
- We are a “controlled company” and, as a result, we are exempt from obligations to comply with certain corporate governance requirements.

### **Corporate Information**

Our principal executive offices are located at 3185 Laurelview Ct., Fremont, California, 94538, and our telephone number at that address is (510) 897-5200. Our website address is [www.ichorsystems.com](http://www.ichorsystems.com). The reference to our website is a textual reference only. We do not incorporate the information on our website into this prospectus, and you should not consider any information on, or that can be accessed through, our website as part of this prospectus.

### **Recent Developments**

#### ***Preliminary Estimated Unaudited Financial Results for the Three Months Ended March 31, 2017***

Our preliminary estimated unaudited financial results for the three months ended March 31, 2017 based on currently available information are set forth below. Estimates of results are inherently uncertain and subject to change, and we undertake no obligation to update or revise the estimates set forth in this prospectus as a result of new information, future events or otherwise, except as otherwise required by law. These estimates may differ from actual results. Actual results remain subject to the completion of our quarter-end closing process which includes a final review by our management and audit committee. During the course of the preparation of the financial statements and related notes and our final review, additional items that require material adjustments to the preliminary financial information presented below may be identified. Therefore, you should not place undue reliance upon these preliminary financial results. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Critical Accounting Policies and Estimates,” “Risk Factors—Risks Related to Our Business — Our quarterly sales and operating results fluctuate significantly from period to period, and this may cause volatility in our stock price” and “Cautionary Statement Concerning Forward-Looking Statements.”

The preliminary estimated unaudited financial results set forth below should not be viewed as a substitute for full financial statements prepared in accordance with GAAP. These estimates were prepared by our management, and are based upon a number of assumptions and have not been audited or reviewed by our independent registered public accounting firm. These preliminary estimates for the three months ended March 31, 2017 are not necessarily indicative of the results to be achieved in any future period. Our consolidated financial statements and related notes thereto as of and for the three months ended March 31, 2017 are not expected to be filed with the SEC until after this offering is completed.

The following table sets forth certain estimated financial results we expect to report for the three months ended March 31, 2017 and actual financial results for the three months ended March 25, 2016:

(In thousands, except per share data)	Three Months Ended	
	March 31, 2017 (Estimated)	March 25, 2016 (Actual)
Net sales	\$ 148,704	\$ 73,287
Net income from continuing operations	12,952	1,832
Net income (loss) per share from continuing operations attributable to ordinary shareholders:		
Basic(1)	\$ 0.53	\$ 0.11
Diluted(2)	\$ 0.51	\$ 0.03
Adjusted net income from continuing operations(3)	14,567	4,545
Non-GAAP adjusted diluted EPS(3)(4)	\$ 0.57	\$ 0.19

(1) Calculated based on 24,654,416 ordinary shares as of March 31, 2017 and 65,673 ordinary shares as of March 25, 2016.

(2) Calculated based on 25,640,089 diluted ordinary shares as of March 31, 2017 and 249,889 diluted ordinary shares as of March 25, 2016.

(3) Adjusted net income from continuing operations and adjusted diluted EPS are non-GAAP financial measures. See “—Summary Consolidated Financial Data” for a discussion of adjusted net income from continuing operations, including the definition thereof and the reason for its inclusion. A reconciliation of estimated and actual net income from continuing operations to estimated and actual adjusted net income for the three months ended March 31, 2017 and March 25, 2016, respectively, is set forth below.

(4) For the quarter ended March 25, 2016, assumes the shares sold in our initial public offering, the conversion of all our outstanding preferred shares into ordinary shares, and vesting of restricted shares and options that vested at our initial public offering occurred at the beginning of the measurement period, for comparability between current and prior periods.

The increase in sales from the first quarter of 2016 to the first quarter of 2017 was primarily due to an increase in our market share at our two largest customers and an increase in the volume of purchases by our two largest customers driven by overall industry growth.

The increase in net income from continuing operations from the first quarter of 2016 to the first quarter of 2017 was primarily due to an increase in sales volume.

The following table presents a reconciliation of our estimated and actual net income from continuing operations to our estimated and actual non-GAAP adjusted net income for the three months ended March 31, 2017 and March 25, 2016, respectively. Net income from continuing operations is the most directly comparable financial measure presented in accordance with GAAP and has been estimated based on our preliminary operating results. For a discussion of adjusted net income, including the definition of adjusted net income and a reconciliation of the differences between adjusted net income from continuing operations and net income from continuing operations for 2014, 2015 and 2016, see “—Summary Consolidated Financial Data.”

(In thousands, except share and per share data)	Three Months Ended	
	March 31, 2017 (Estimated)	March 25, 2016 (Actual)
Net income from continuing operations	\$ 12,952	\$ 1,832
Non-GAAP adjustments:		
Amortization of intangible assets	1,795	1,603
Share-based compensation	344	417
Other non-recurring expenses	(500)	713
Tax adjustment related to non-GAAP adjustments	(24)	(20)
Tax benefit related to Ajax acquisition	—	—
Non-GAAP adjusted net income from continuing operations	\$ 14,567	\$ 4,545
Non-GAAP adjusted diluted EPS(1)	\$ 0.57	\$ 0.19
Diluted shares used to compute non-GAAP adjusted diluted EPS(2)	25,640,089	24,002,128

(1) Calculated by dividing non-GAAP adjusted net income from continuing operations by non-GAAP diluted shares outstanding.

(2) For the quarter ended March 25, 2016, assumes the shares sold in our initial public offering, the conversion of all our outstanding preferred shares into ordinary shares, and vesting of restricted shares and options that vested at our initial public offering occurred at the beginning of the measurement period, for comparability between current and prior periods. No adjustment is needed to diluted shares outstanding for the quarter ended March 31, 2017.

### JOBS Act

We are an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012, or the JOBS Act. We will remain an emerging growth company until the earlier of the last day of the fiscal year following the fifth anniversary of the completion of our initial public offering, the last day of the fiscal year in which we have total annual gross revenue of at least \$1.0 billion, the date on which we are deemed to be a large accelerated filer (this means the market value of our ordinary shares that are held by non-affiliates exceeds \$700 million as of the end of the second quarter of that fiscal year), or the date on which we have issued more than \$1.0 billion in non-convertible debt securities during the prior three-year period.

An emerging growth company may also take advantage of reduced reporting requirements that are otherwise applicable to public companies. These provisions include, but are not limited to:

- not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, as amended, or the Sarbanes-Oxley Act;
- reduced disclosure obligations regarding executive compensation in our periodic reports, proxy statements and registration statements; and
- exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved.

We have elected to take advantage of certain of the reduced disclosure obligations regarding financial statements and executive compensation in this prospectus and may elect to take advantage of other reduced burdens in future filings. As a result, the information that we

provide to our shareholders may be different than you might receive from other public reporting companies in which you hold equity interests.

In addition, Section 107(b) of the JOBS Act also provides that an emerging growth company can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act for complying with new or revised accounting standards. In other words, an emerging growth company can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected not to take advantage of such extended transition period under Section 107(b).

## THE OFFERING

<b>Ordinary shares offered by the selling shareholders</b>	4,500,000 shares
<b>Ordinary shares to be outstanding immediately after this offering</b>	24,794,589 shares
<b>Option to purchase additional shares</b>	The underwriters have the option to purchase up to an additional 675,000 ordinary shares from the selling shareholders, at the public offering price, less the underwriting discount, within 30 days of the date of this prospectus.
<b>Use of proceeds</b>	We will not receive any proceeds from the sale of ordinary shares by the selling shareholders, other than payment of the exercise price from one selling shareholder who is exercising options for the purpose of selling shares in the offering.
<b>Dividend policy</b>	We do not anticipate declaring or paying any cash dividends on our ordinary shares for the foreseeable future. Any future determination relating to our dividend policy will be made at the discretion of our board of directors and will depend on then existing conditions, including our financial condition, results of operations, contractual restrictions (including in the credit agreements governing our Credit Facilities (as defined herein)), capital requirements, business prospects, legal restrictions and other factors our board of directors may deem relevant. See "Dividend Policy."
<b>NASDAQ Global Select Market Trading symbol</b>	"ICHR."

Unless otherwise indicated, all information in this prospectus relating to the number of ordinary shares to be outstanding immediately after this offering is based on 24,770,889 shares issued and outstanding as of March 31, 2017 and:

- includes 23,700 ordinary shares to be issued upon the exercise of outstanding stock options by one selling shareholder in connection with this offering at an exercise price of \$8.05 per share;
- excludes (i) an aggregate of 2,164,215 ordinary shares issuable upon the exercise of options that were issued to our employees under the Ichor Holdings, Ltd. 2012 Equity Incentive Plan, or the 2012 Incentive Plan and (ii) an aggregate of 71,214 unvested restricted shares that were issued under the 2012 Incentive Plan and (iii) an aggregate of 1,888,000 ordinary shares reserved for issuance under the Ichor Holdings, Ltd. 2016 Omnibus Incentive Plan, or the 2016 Plan; and
- assumes no exercise of the underwriters' option to purchase additional shares from the selling shareholders.

### SUMMARY CONSOLIDATED FINANCIAL DATA

The following tables summarize our historical consolidated financial data and should be read together with the sections in this prospectus entitled "Selected financial data" and "Management's discussion and analysis of financial condition and results of operations" and our consolidated financial statements and related notes included elsewhere in this prospectus.

We have derived the consolidated statements of operations data for the years ended December 30, 2016, December 25, 2015 and December 26, 2014 and the selected balance sheet data as of December 30, 2016 and December 25, 2015 from our audited consolidated financial statements included elsewhere in this prospectus. The selected balance sheet data as of December 26, 2014 is derived from our audited consolidated balance sheet as of such date not included in this prospectus. Our historical results are not necessarily indicative of the results that may be expected in the future.

(In thousands, except share and per share amounts)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Statement of Operations Data:</b>			
Net sales	\$ 405,747	\$ 290,641	\$ 249,087
Cost of sales(1)	340,352	242,087	212,747
Gross profit	65,395	48,554	36,340
Operating expenses:			
Research and development(1)	6,383	4,813	3,915
Selling, general and administrative(1)	28,126	24,729	22,465
Amortization of intangible assets	\$ 7,015	\$ 6,411	\$ 6,411
Total operating expenses	41,524	35,953	32,791
Operating income	23,871	12,601	3,549
Interest expense	4,370	3,831	3,118
Other expense (income), net	(629)	(46)	253
Income from continuing operations before income taxes	20,130	8,816	178
Income tax benefit from continuing operations(2)	(649)	(3,991)	(5,604)
Net income from continuing operations	20,779	12,807	5,782
Discontinued Operations:			
Income (loss) from discontinued operations before taxes	(4,077)	(7,406)	132
Income tax expense (benefit) from discontinued operations	40	(225)	(254)
Net income (loss) from discontinued operations	(4,117)	(7,181)	386
Net income	16,662	5,626	6,168
Less: Preferred share dividend	—	(22,127)	—
Less: Undistributed earnings attributable to preferred shareholders	(15,284)	—	(6,165)
Net income (loss) attributable to ordinary shareholders	\$ 1,378	\$ (16,501)	\$ 3

(In thousands, except share and per share amounts)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Net income (loss) per share from continuing operations attributable to ordinary shareholders:(3)			
Basic	\$ 1.14	\$ (292.39)	\$ 0.36
Diluted	\$ 0.87	\$ (292.39)	\$ 0.16
Net income (loss) per share attributable to ordinary shareholders:(3)			
Basic	\$ 0.92	\$ (517.68)	\$ 0.36
Diluted	\$ 0.70	\$ (517.68)	\$ 0.16
Shares used to compute net income (loss) from continuing operations per share attributable to ordinary shareholders:(3)			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422
Shares used to compute net income per share attributable to ordinary shareholders:(3)			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422
<b>Other Financial Data:</b>			
Non-GAAP adjusted net income from continuing operations(4)	\$ 31,596	\$ 20,249	\$ 11,688
Non-GAAP adjusted diluted EPS(4)	1.31	0.85	0.49

(In thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Balance Sheet Data:</b>			
Cash and restricted cash	\$ 52,648	\$ 24,188	\$ 14,373
Working capital	56,020	24,860	28,117
Total assets	282,491	198,023	215,563
Total long-term debt(5)	39,830	65,000	55,750
Preferred shares	—	142,728	142,728
Total shareholders' equity	141,659	74,678	90,061

(1) Share-based compensation is included in the consolidated statement of operations data above was as follows:

(in thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Share-Based Compensation Expense:</b>			
Cost of sales	\$ 20	\$ 105	\$ 33
Research and development	35	46	51
Selling, general and administrative	3,161	967	927
Total share-based compensation expense	\$ 3,216	\$ 1,118	\$ 1,011

- (2) Income tax expense (benefit) consists primarily of the impact of foreign operations, including withholding taxes, offset in part by a discrete tax benefit of approximately \$2.3 million that was recorded as a result of the purchase accounting from the Ajax acquisition. See Note 2 to our consolidated financial statements included elsewhere in this prospectus for more information with respect to the Ajax acquisition. Our historical income tax benefit resulted from losses recorded in the U.S., which were being fully benefited through the third quarter of 2015 as a result of an overall deferred tax liability position in the U.S., offset in part by the impact of foreign operations, including withholding taxes. Starting in the fourth quarter of 2015, we are no longer benefiting the losses generated in the U.S.
- (3) See Note 14 to our consolidated financial statements included elsewhere in this prospectus for an explanation of the calculations of our actual basic and diluted net income per share and our pro forma unaudited basic and diluted net income per share.
- (4) Management uses non-GAAP adjusted net income from continuing operations to evaluate our operating and financial results. We believe the presentation of non-GAAP results is useful to investors for analyzing business trends and comparing performance to prior periods, along with enhancing investors' ability to view our results from management's perspective. Non-GAAP adjusted net income from continuing operations is defined as net income from continuing operations, adjusted to exclude (i) amortization of intangible assets, share-based compensation expense, and other non-recurring expenses, (ii) tax adjustments related to those non-GAAP adjustments, and (iii) the tax benefit related to the Ajax Acquisition. Non-GAAP adjusted diluted EPS is defined as non-GAAP adjusted net income from continuing operations divided by adjusted diluted ordinary shares, which assumes our initial public offering and conversion of preferred shares into ordinary shares occurred at the beginning of the measurement period.

(in thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Non-GAAP Data:</b>			
Net income from continuing operations	\$ 20,779	\$ 12,807	\$ 5,782
Non-GAAP adjustments:			
Amortization of intangible assets	7,015	6,411	6,411
Share-based compensation	3,216	1,118	1,011
Other non-recurring expenses(a)	2,988	4,154	1,905
Tax adjustments related to non-GAAP adjustments(b)	(131)	(4,241)	(3,421)
Tax benefit related to Ajax acquisition	(2,271)	—	—
Non-GAAP adjusted net income from continuing operations	\$ 31,596	\$ 20,249	\$ 11,688
Non-GAAP adjusted diluted EPS(c)	\$ 1.31	\$ 0.85	\$ 0.49
Diluted shares used to compute non-GAAP adjusted diluted EPS(d)	24,188,881	23,779,908	23,737,007

- (a) Other non-recurring expenses include (i) expenses incurred in connection with preparation for an initial public offering contemplated in 2014 and 2015, (ii) consulting fees paid prior to our initial public offering to Francisco Partners Consulting, LLC, an entity which is owned and controlled by individual operations executives who are associated with our principal shareholders but in which such shareholders hold no interest, (iii) the bonuses paid to members of our management in connection with the cash dividend paid by us in August 2015 and (iv) acquisition-related charges.
- (b) The difference between (i) the adjustments to our tax provision (benefit) made in connection with the other non-GAAP adjustments made to determine adjusted net income and (ii) the GAAP tax provision (benefit) for 2016, 2015 and 2014 is (\$518), \$250, and (\$2,183), respectively.
- (c) Calculated by dividing non-GAAP adjusted net income from continuing operations by non-GAAP diluted shares outstanding.
- (d) Assumes the shares sold in our initial public offering, the conversion of all our outstanding preferred shares into ordinary shares, and vesting of restricted shares and options that vested at our initial public offering occurred at the beginning of the measurement period, for comparability between current and prior periods.

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Non-GAAP adjusted net income from continuing operations has limitations as an analytical tool, and you should not consider it in isolation or as a substitute for net income or any of our other operating results reported under GAAP. Other companies may calculate adjusted net income differently or may use other measures to evaluate their performance, both of which could reduce the usefulness of our adjusted net income as a tool for comparison.

Because of these limitations, you should consider non-GAAP adjusted net income from continuing operations alongside other financial performance measures, including net income from continuing operations and other financial results presented in accordance with GAAP. In addition, in evaluating non-GAAP adjusted net income, you should be aware that in the future we will incur expenses such as those that are the subject of adjustments in deriving adjusted net income and you should not infer from our presentation of adjusted net income that our future results will not be affected by these expenses or any unusual or non-recurring items.

- (5) Does not include debt issuance costs of \$1,886, \$2,412, and \$615 as of December 30, 2016, December 25, 2015, and December 26, 2014, respectively.

## RISK FACTORS

*This offering and an investment in our ordinary shares involves a high degree of risk. You should carefully consider the risks described below, together with the financial and other information contained in this prospectus, before you decide to purchase our ordinary shares. If any of the following risks actually occurs, our business, financial condition and results of operations could be materially adversely affected. As a result, the trading price of our ordinary shares could decline, and you could lose all or part of your investment in our ordinary shares.*

### Risks Related to Our Business

**Our business depends significantly on expenditures by manufacturers in the semiconductor capital equipment industry, which, in turn, is dependent upon the semiconductor device industry. When that industry experiences cyclical downturns, demand for our products and services is likely to decrease, which would likely result in decreased sales. We may also be forced to reduce our prices during cyclical downturns without being able to proportionally reduce costs.**

Our business, financial condition and results of operations depend significantly on expenditures by manufacturers in the semiconductor capital equipment industry. In turn, the semiconductor capital equipment industry depends upon the current and anticipated market demand for semiconductor devices. The semiconductor device industry is subject to cyclical and volatile fluctuations in supply and demand and in the past has periodically experienced significant downturns, which often occur in connection with declines in general economic conditions, and which have resulted in significant volatility in the semiconductor capital equipment industry. The semiconductor device industry has also experienced recurring periods of over-supply of products that have had a severe negative effect on the demand for capital equipment used to manufacture such products. We have experienced, and anticipate that we will continue to experience, significant fluctuations in customer orders for our products and services as a result of such fluctuations and cycles. Any downturns in the semiconductor device industry could have a material adverse effect on our business, financial condition and results of operations.

In addition, we must be able to appropriately align our cost structure with prevailing market conditions, effectively manage our supply chain and motivate and retain employees, particularly during periods of decreasing demand for our products. We may be forced to reduce our prices during periods of decreasing demand. While we operate under a low fixed cost model, we may not be able to proportionally reduce all of our costs if we are required to reduce our prices. If we are not able to timely and appropriately adapt to the changes in our business environment, our business, financial condition and results of operations will be materially adversely affected. The cyclical and volatile nature of the semiconductor device industry and the absence of long-term fixed or minimum volume contracts make any effort to project a material reduction in future sales volume difficult.

**We rely on a very small number of OEM customers for a significant portion of our sales. Any adverse change in our relationships with these customers could materially adversely affect our business, financial condition and results of operations.**

The semiconductor capital equipment industry is highly concentrated and has experienced significant consolidation in recent years. As a result, a relatively small number of OEM customers have historically accounted for a significant portion of our sales, and we expect this trend to continue for the foreseeable future. For 2016, our top two customers accounted for

approximately 51% and 46%, respectively, of sales, and we expect that our sales will continue to be concentrated among a very small number of customers. We do not have any long-term contracts that require customers to place orders with us in fixed or minimum volumes. Accordingly, the success of our business depends on the success of our customers and those customers and other OEMs continuing to outsource the manufacturing of critical subsystems and process solutions to us. Because of the small number of OEMs in the markets we serve, a number of which are already our customers, it would be difficult to replace lost sales resulting from the loss of, or the reduction, cancellation or delay in purchase orders by, any one of these customers, whether due to a reduction in the amount of outsourcing they do, their giving orders to our competitors, their acquisition by an OEM who is not a customer or with whom we do less business, or otherwise. We have in the past lost business from customers for a number of these reasons. If we are unable to replace sales from customers who reduce the volume of products and services they purchase from us or terminate their relationship with us entirely, such events could have a material adverse impact on our business, financial condition and results of operations.

Additionally, if one or more of the largest OEMs were to decide to single- or sole-source all or a significant portion of manufacturing and assembly work to a single equipment manufacturer, such a development would heighten the risks discussed above.

**Our customers exert a significant amount of negotiating leverage over us, which may require us to accept lower prices and gross margins or increased liability risk in order to retain or expand our market share with them.**

By virtue of our largest customers' size and the significant portion of our sales that is derived from them, as well as the competitive landscape, our customers are able to exert significant influence and pricing pressure in the negotiation of our commercial arrangements and the conduct of our business with them. Our customers often require reduced prices or other pricing, quality or delivery commitments as a condition to their purchasing from us in any given period or increasing their purchase volume, which can, among other things, result in reduced gross margins in order to maintain or expand our market share. Our customers' negotiating leverage also can result in customer arrangements that may contain significant liability risk to us. For example, some of our customers require that we provide them indemnification against certain liabilities in our arrangements with them, including claims of losses by their customers caused by our products. Any increase in our customers' negotiating leverage may expose us to increased liability risk in our arrangements with them, which, if realized, may have a material adverse effect on our business, financial condition and results of operations. In addition, new products often carry lower gross margins than existing products for several quarters following their introduction. If we are unable to retain and expand our business with our customers on favorable terms, or if we are unable to achieve gross margins on new products that are similar to or more favorable than the gross margins we have historically achieved, our business, financial condition and results of operations may be materially adversely affected.

**The industries in which we participate are highly competitive and rapidly evolving, and if we are unable to compete effectively, our business, financial condition and results of operations could be materially adversely affected.**

We face intense competition from other suppliers of gas or chemical delivery subsystems, as well as the internal manufacturing groups of OEMs. Increased competition has in the past resulted, and could in the future result, in price reductions, reduced gross margins or loss of market share, any of which would materially adversely affect our business, financial condition and results of operations. We are subject to significant pricing pressure as we attempt to

maintain and increase market share with our existing customers. Our competitors may offer reduced prices or introduce new products or services for the markets currently served by our products and services. These products may have better performance, lower prices and achieve broader market acceptance than our products. OEMs also typically own the design rights to their products. Further, if our competitors obtain proprietary rights to these designs such that we are unable to obtain the designs necessary to manufacture products for our OEM customers, our business, financial condition and results of operations could be materially adversely affected.

Certain of our competitors may have or may develop greater financial, technical, manufacturing and marketing resources than we do. As a result, they may be able to respond more quickly to new or emerging technologies and changes in customer requirements, devote greater resources to the development, promotion, sale and support of their products and services, and reduce prices to increase market share. In addition to organic growth by our competitors, there may be merger and acquisition activity among our competitors and potential competitors that may provide our competitors and potential competitors with an advantage over us by enabling them to expand their product offerings and service capabilities to meet a broader range of customer needs. The introduction of new technologies and new market entrants may also increase competitive pressures.

**We are exposed to risks associated with weakness in the global economy and geopolitical instability.**

Our business is dependent upon manufacturers of semiconductor capital equipment, whose businesses in turn ultimately depend largely on consumer spending on semiconductor devices. Continuing uncertainty regarding the global economy continues to pose challenges to our business. Economic uncertainty and related factors, including current unemployment levels, uncertainty in European debt markets, geopolitical instability in various parts of the world, fiscal uncertainty in the U.S. economy, market volatility and the slow rate of recovery of many countries from recent recessions, exacerbate negative trends in business and consumer spending and may cause certain of our customers to push out, cancel or refrain from placing orders for products or services, which may reduce sales and materially adversely affect our business, financial condition and results of operations. Difficulties in obtaining capital, uncertain market conditions or reduced profitability may also cause some customers to scale back operations, exit businesses, merge with other manufacturers, or file for bankruptcy protection and potentially cease operations, leading to customers' reduced research and development funding and/or capital expenditures and, in turn, lower orders from our customers and/or additional slow moving or obsolete inventory or bad debt expense for us. These conditions may also similarly affect our key suppliers, which could impair their ability to deliver parts and result in delays for our products or require us to either procure products from higher-cost suppliers, or if no additional suppliers exist, to reconfigure the design and manufacture of our products, and we may be unable to fulfill some customer orders. Any of these conditions or events could have a material adverse effect on our business, financial condition and results of operations.

**If we do not keep pace with developments in the industries we serve and with technological innovation generally, our products and services may not be competitive.**

Rapid technological innovation in the markets we serve requires us to anticipate and respond quickly to evolving customer requirements and could render our current product offerings, services and technologies obsolete. In particular, the design and manufacturing of semiconductors is constantly evolving and becoming more complex in order to achieve greater power, performance and efficiency with smaller devices. Capital equipment manufacturers need

to keep pace with these changes by refining their existing products and developing new products.

We believe that our future success will depend upon our ability to design, engineer and manufacture products that meet the changing needs of our customers. This requires that we successfully anticipate and respond to technological changes in design, engineering and manufacturing processes in a cost-effective and timely manner. If we are unable to integrate new technical specifications into competitive product designs, develop the technical capabilities necessary to manufacture new products or make necessary modifications or enhancements to existing products, our business, financial condition and results of operations could be materially adversely affected.

The timely development of new or enhanced products is a complex and uncertain process which requires that we:

- design innovative and performance-enhancing features that differentiate our products from those of our competitors;
- identify emerging technological trends in the industries we serve, including new standards for our products;
- accurately identify and design new products to meet market needs;
- collaborate with OEMs to design and develop products on a timely and cost-effective basis;
- ramp-up production of new products, especially new subsystems, in a timely manner and with acceptable yields;
- manage our costs of product development and the costs of producing the products that we sell;
- successfully manage development production cycles; and
- respond quickly and effectively to technological changes or product announcements by others.

If we are unsuccessful in keeping pace with technological developments for the reasons above or other reasons, our business, financial condition and results of operations could be materially adversely affected.

**We must design, develop and introduce new products that are accepted by OEMs in order to retain our existing customers and obtain new customers.**

The introduction of new products is inherently risky because it is difficult to foresee the adoption of new standards, coordinate our technical personnel and strategic relationships and win acceptance of new products by OEMs. We attempt to mitigate this risk by collaborating with our customers during their design and development processes. We cannot, however, assure you that we will be able to successfully introduce, market and cost-effectively manufacture new products, or that we will be able to develop new or enhanced products and processes that satisfy customer needs. In addition, new capital equipment typically has a lifespan of five to ten years, and OEMs frequently specify which systems, subsystems, components and instruments are to be used in their equipment. Once a specific system, subsystem, component or instrument is incorporated into a piece of capital equipment, it will often continue to be purchased for that piece of equipment on an exclusive basis for 18 to 24 months before the OEM generates enough sales volume to consider adding alternative suppliers. Accordingly, it is important that our

products are designed into the new systems introduced by the OEMs. If any of the new products we develop are not launched or successful in the market, our business, financial condition and results of operations could be materially adversely affected.

**The manufacturing of our products is highly complex, and if we are not able to manage our manufacturing and procurement process effectively, our business, financial condition and results of operations may be materially adversely affected.**

The manufacturing of our products is a highly complex process that involves the integration of multiple components and requires effective management of our supply chain while meeting our customers' design-to-delivery cycle time requirements. Through the course of the manufacturing process, our customers may modify design and system configurations in response to changes in their own customers' requirements. In order to rapidly respond to these modifications and deliver our products to our customers in a timely manner, we must effectively manage our manufacturing and procurement process. If we fail to manage this process effectively, we risk losing customers and damaging our reputation. We may also be subject to liability under our agreements with our customers if we or our suppliers fail to re-configure manufacturing processes or components in response to these modifications. In addition, if we acquire inventory in excess of demand or that does not meet customer specifications, we could incur excess or obsolete inventory charges. We have from time to time experienced bottlenecks and production difficulties that have caused delivery delays and quality control problems. These risks are even greater as we seek to expand our business into new subsystems. In addition, certain of our suppliers have been, and may in the future be, forced out of business as a result of the economic environment. In such cases, we may be required to procure products from higher-cost suppliers or, if no additional suppliers exist, reconfigure the design and manufacture of our products. This could materially limit our growth, adversely impact our ability to win future business and have a material adverse effect on our business, financial condition and results of operations.

**Defects in our products could damage our reputation, decrease market acceptance of our products and result in potentially costly litigation.**

A number of factors, including design flaws, material and component failures, contamination in the manufacturing environment, impurities in the materials used and unknown sensitivities to process conditions, such as temperature and humidity, as well as equipment failures, may cause our products to contain undetected errors or defects. Errors, defects or other problems with our products may:

- cause delays in product introductions and shipments;
- result in increased costs and diversion of development resources;
- cause us to incur increased charges due to unusable inventory;
- require design modifications;
- result in liability for the unintended release of hazardous materials;
- create claims for rework, replacement and/or damages under our contracts with customers, as well as indemnification claims from customers;
- decrease market acceptance of, or customer satisfaction with, our products, which could result in decreased sales and increased product returns; or
- result in lower yields for semiconductor manufacturers.

If any of our products contain defects or have reliability, quality or compatibility problems, our reputation may be damaged and customers may be reluctant to buy our products. We may also face a higher rate of product defects as we increase our production levels in periods of significant growth. Product defects could result in warranty and indemnification liability or the loss of existing customers or impair our ability to attract new customers. In addition, we may not find defects or failures in our products until after they are installed in a manufacturer's fabrication facility. We may have to invest significant capital and other resources to correct these problems. Our current or potential customers also might seek to recover from us any losses resulting from defects or failures in our products. In addition, hazardous materials flow through and are controlled by certain of our products and an unintended release of these materials could result in serious injury or death. Liability claims could require us to spend significant time and money in litigation or pay significant damages.

**We may incur unexpected warranty and performance guarantee claims that could materially adversely affect our business, financial condition and results of operations.**

In connection with our products and services, we provide various product warranties, performance guarantees and indemnification rights. Warranty or other performance guarantee or indemnification claims against us could cause us to incur significant expense to repair or replace defective products or indemnify the affected customer for losses. In addition, quality issues can have various other ramifications, including delays in the recognition of sales, loss of sales, loss of future sales opportunities, increased costs associated with repairing or replacing products, and a negative impact on our reputation, all of which could materially adversely affect our business, financial condition and results of operations.

**Our dependence on a limited number of suppliers may harm our production output and increase our costs, and may prevent us from delivering acceptable products on a timely basis.**

Our ability to meet our customers' demand for our products depends upon obtaining adequate supplies of quality components and other raw materials on a timely basis. In addition, our customers often specify components from particular suppliers that we must incorporate into our products. We also use consignment and just-in-time stocking programs, which means we carry very little inventory of components or other raw materials, and we rely on our suppliers to deliver necessary components and raw materials in a timely manner. However, our suppliers are under no obligation to provide us with components or other raw materials. As a result, the loss of or failure to perform by any of our key suppliers could materially adversely affect our ability to deliver products on a timely basis. In addition, if a supplier were unable to provide the volume of components we require on a timely basis and at acceptable prices and quality, we would have to identify and qualify replacements from alternative sources of supply. However, the process of qualifying new suppliers for complex components is also lengthy and could delay our production. We may also experience difficulty in obtaining sufficient supplies of components and raw materials in times of significant growth in our business. If we are unable to procure sufficient quantities of components or raw materials from suppliers, our customers may elect to delay or cancel existing orders or not place future orders, which could have a material adverse effect on our business, financial condition and results of operations.

**We are subject to order and shipment uncertainties, and any significant reductions, cancellations or delays in customer orders could have a material adverse effect on our business, financial condition and results of operations.**

Our sales are difficult to forecast because we generally do not have a material backlog of unfilled orders and because of the short time frame within which we are often required to

manufacture and deliver products to our customers. Most of our sales for a particular quarter depend on customer orders placed during that quarter or shortly before it commences. Our contracts generally do not require our customers to commit to minimum purchase volumes. While most of our customers provide periodic rolling forecasts for product orders, those forecasts do not become binding until a formal purchase order is submitted, which generally occurs only a short time prior to shipment. As a result of the foregoing and the cyclical and volatility of the industries we serve, it is difficult to predict future orders with precision. Occasionally, we order component inventory and build products in advance of the receipt of actual customer orders. Customers may cancel order forecasts, change production quantities from forecasted volumes or delay production for reasons beyond our control. Furthermore, reductions, cancellations or delays in customer order forecasts usually occur without penalty to, or compensation from, the customer. Reductions, cancellations or delays in forecasted orders could cause us to hold inventory longer than anticipated, which could reduce our gross profit, restrict our ability to fund our operations and result in unanticipated reductions or delays in sales. If we do not obtain orders as we anticipate, we could have excess components for a specific product and/or finished goods inventory that we would not be able to sell to another customer, likely resulting in inventory write-offs, which could have a material adverse effect on our business, financial condition and results of operations.

**Because our customers generally require that they qualify our engineering, documentation, manufacturing and quality control procedures, our ability to add new customers quickly is limited.**

We are generally required to qualify and maintain our status as a supplier for each of our customers. This is a time-consuming process that involves the inspection and approval by a customer of our engineering, documentation, manufacturing and quality control procedures before that customer will place orders with us. Our ability to lessen the adverse effect of any loss of, or reduction in sales to, an existing customer through the rapid addition of one or more new customers is limited in part because of these qualification requirements. Consequently, the risk that our business, financial condition and results of operations would be materially adversely affected by the loss of, or any reduction in orders by, any of our significant customers is increased. Moreover, if we lost our existing status as a qualified supplier to any of our customers, such customer could cancel its orders from us or otherwise terminate its relationship with us, which could have a material adverse effect on our business, financial condition and results of operations.

**Restrictive covenants under our Credit Facilities may limit our current and future operations. If we fail to comply with those covenants, the lenders could cause outstanding amounts, which are currently substantial, to become immediately due and payable, and we might not have sufficient funds and assets to pay such loans.**

As of December 30, 2016, we had \$39.8 million of indebtedness outstanding under our term loan facility, or our Term Loan Facility, and no indebtedness outstanding under our \$20.0 million revolving credit facility, or our Revolving Credit Facility, and together with our Term Loan Facility, our Credit Facilities. The outstanding amount of our Term Loan Facility reflected in our consolidated financial statements included elsewhere in this prospectus is net of \$1.9 million of debt issuance costs. We may incur additional indebtedness in the future. Our Credit Facilities contain certain restrictive covenants and conditions, including limitations on our ability to, among other things:

- incur additional indebtedness or contingent obligations;
- create or incur liens, negative pledges or guarantees;

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- make investments;
- make loans;
- sell or otherwise dispose of assets;
- merge, consolidate or sell substantially all of our assets;
- make certain payments on indebtedness;
- pay dividends on or make distributions in respect of capital stock or make certain other restricted payments or investments;
- enter into certain agreements that restrict distributions from restricted subsidiaries;
- enter into transactions with affiliates;
- change the nature of our business; and
- amend the terms of our organizational documents.

As a result of these covenants, we may be restricted in our ability to pursue new business opportunities or strategies or to respond quickly to changes in the industries that we serve. A violation of any of these covenants would be deemed an event of default under our Credit Facilities. In such event, upon the election of the lenders, the loan commitments under our Credit Facilities would terminate and the principal amount of the loans and accrued interest then outstanding would be due and payable immediately. A default may also result in the acceleration of any other debt to which a cross-acceleration or cross-default provision applies. In the event our lenders accelerate the repayment of our borrowings, we cannot assure you that we and our subsidiaries would have sufficient funds to repay such indebtedness or be able to obtain replacement financing on a timely basis or at all. These events could force us into bankruptcy or liquidation, which could have a material adverse effect on our business, financial condition and results of operations.

We also may need to negotiate changes to the covenants in the agreements governing our Credit Facilities in the future if there are material changes in our business, financial condition or results of operations, but we cannot assure you that we will be able to do so on terms favorable to us or at all.

**Certain of our customers require that we consult with them in connection with specified fundamental changes in our business, and address any concerns or requests such customer may have in connection with a fundamental change. While those customers do not have contractual approval or veto rights with respect to fundamental changes, our failure to consult with such customers or to satisfactorily respond to their requests in connection with any such fundamental change could constitute a breach of contract or otherwise be detrimental to our relationships with such customers.**

Certain of our key customers require that we consult with them in connection with specified fundamental changes in our business, including, among other things:

- entering into any new line of business;
- amending or modifying our organizational documents;
- selling all or substantially all of our assets, or merging or amalgamating with a third party;
- incur borrowings in excess of a specific amount;

- making senior management changes;
- entering into any joint venture arrangement; and
- effecting an initial public offering.

These customers do not have contractual approval or veto rights with respect to any fundamental changes in our business. However, our failure to consult with such customers or to satisfactorily respond to their requests in connection with any such fundamental change could constitute a breach of contract or otherwise be detrimental to our relationships with such customers, which could have a material adverse effect on our business, financial condition and results of operations.

**We may not be able to generate sufficient cash to service all of our indebtedness, including under our Credit Facilities, and may be forced to take other actions to satisfy our obligations under our indebtedness, which may not be successful.**

Our ability to make scheduled payments on or to refinance our indebtedness, including under our Credit Facilities, depends on our financial condition and results of operations, which are subject to prevailing economic and competitive conditions and other factors beyond our control. We may be unable to maintain a level of cash flows from operating activities sufficient to permit us to fund our day-to-day operations or to pay the principal, premium, if any, and interest on our indebtedness. If our cash flows and capital resources are insufficient to fund our debt service obligations, we could face substantial liquidity problems and could be forced to reduce or delay investments and capital expenditures or to sell assets or operations, seek additional capital or restructure or refinance our indebtedness. If we cannot make scheduled payments on our debt, we will be in default and, as a result, the lenders under our Credit Facilities could terminate their commitments to loan money, or foreclose against the assets securing such borrowings, and we could be forced into bankruptcy or liquidation, in each case, which would have a material adverse effect on our business, financial condition and results of operations.

**Our business is largely dependent on the know-how of our employees, and we generally do not have an intellectual property position that is protected by patents.**

We believe that the success of our business depends in part on our proprietary technology, information, processes and know-how and on our ability to operate without infringing on the proprietary rights of third parties. We rely on a combination of trade secrets and contractual confidentiality provisions and, to a much lesser extent, patents, copyrights and trademarks to protect our proprietary rights. Accordingly, our intellectual property position is more vulnerable than it would be if it were protected primarily by patents. We cannot assure you that we have adequately protected or will be able to adequately protect our technology, that our competitors will not be able to utilize our existing technology or develop similar technology independently, that the claims allowed with respect to any patents held by us will be broad enough to protect our technology or that foreign intellectual property laws will adequately protect our intellectual property rights. If we fail to protect our proprietary rights successfully, our competitive position could suffer. Any future litigation to enforce patents issued to us, to protect trade secrets or know-how possessed by us or to defend ourselves or to indemnify others against claimed infringement of the rights of others could have a material adverse effect on our business, financial condition and results of operations.

**Third parties have claimed and may in the future claim we are infringing their intellectual property, which could subject us to litigation or licensing expenses, and we may be prevented from selling our products if any such claims prove successful.**

We may in the future receive claims that our products, processes or technologies infringe the patents or other proprietary rights of third parties. In addition, we may be unaware of intellectual property rights of others that may be applicable to our products. Any litigation regarding our patents or other intellectual property could be costly and time-consuming and divert our management and key personnel from our business operations, any of which could have a material adverse effect on our business, financial condition and results of operations. The complexity of the technology involved in our products and the uncertainty of intellectual property litigation increase these risks. Claims of intellectual property infringement may also require us to enter into costly license agreements. However, we may not be able to obtain licenses on terms acceptable to us, or at all. We also may be subject to significant damages or injunctions against the development, manufacture and sale of certain of our products if any such claims prove successful. We also rely on design specifications and other intellectual property of our customers in the manufacture of products for such customers. While our customer agreements generally provide for indemnification of us by a customer if we are subjected to litigation for third-party claims of infringement of such customer's intellectual property, such indemnification provisions may not be sufficient to fully protect us from such claims, or our customers may breach such indemnification obligations to us, which could result in costly litigation to defend against such claims or enforce our contractual rights to such indemnification.

**From time to time, we may become involved in other litigation and regulatory proceedings, which could require significant attention from our management and result in significant expense to us and disruptions in our business.**

In addition to any litigation related to our intellectual property rights, we may in the future be named as a defendant from time to time in other lawsuits and regulatory actions relating to our business, such as commercial contract claims, employment claims and tax examinations, some of which may claim significant damages or cause us reputational harm. Due to the inherent uncertainties of litigation and regulatory proceedings, we cannot predict the ultimate outcome of any such proceeding. An unfavorable outcome could have a material adverse effect on our business, financial condition and results of operations or limit our ability to engage in certain of our business activities. In addition, regardless of the outcome of any litigation or regulatory proceeding, such proceedings are often expensive, time-consuming and disruptive to normal business operations and require significant attention from our management. As a result, any such lawsuits or proceedings could materially adversely affect our business, financial condition and results of operations.

**The technology labor market is very competitive, and our business will suffer if we are unable to hire and retain key personnel.**

Our future success depends in part on the continued service of our key executive officers, as well as our research, engineering, sales and manufacturing personnel, most of whom are not subject to employment or non-competition agreements. Competition for qualified personnel in the technology industry is particularly intense, and we operate in geographic locations in which labor markets are competitive. Our management team has significant industry experience and deep customer relationships, and therefore would be difficult to replace. In addition, our business is dependent to a significant degree on the expertise and relationships which only a limited number of engineers possess. Many of these engineers often work at our customers'

sites and serve as an extension of our customers' product design teams. The loss of any of our key executive officers or key engineers and other personnel, including our engineers working at our customers' sites, or the failure to attract additional personnel as needed, could have a material adverse effect on our business, financial condition and results of operations and could lead to higher labor costs, the use of less-qualified personnel and the loss of customers. In addition, if any of our key executive officers or other key employees were to join a competitor or form a competing company, we could lose customers, suppliers, know-how and key personnel. We do not maintain key-man life insurance with respect to any of our employees. Our business will suffer if we are unable to attract, employ and retain highly skilled personnel.

**Future acquisitions may present integration challenges, and if the goodwill, indefinite-lived intangible assets and other long-term assets recorded in connection with such acquisitions become impaired, we would be required to record impairment charges, which may be significant.**

If we find appropriate opportunities in the future, we may acquire businesses, products or technologies that we believe are strategic. If we acquire a business, product or technology, the process of integration may produce unforeseen operating difficulties and expenditures, fail to result in expected synergies or other benefits and absorb significant attention of our management that would otherwise be available for the ongoing development of our business. In addition, in the event of any future acquisitions, we may record a portion of the assets we acquire as goodwill, other indefinite-lived intangible assets or finite-lived intangible assets. We do not amortize goodwill and indefinite-lived intangible assets, but rather review them for impairment on an annual basis or whenever events or changes in circumstances indicate that their carrying value may not be recoverable. The recoverability of goodwill and indefinite-lived intangible assets is dependent on our ability to generate sufficient future earnings and cash flows. Changes in estimates, circumstances or conditions, resulting from both internal and external factors, could have a significant impact on our fair valuation determination, which could then have a material adverse effect on our business, financial condition and results of operations.

**Our quarterly sales and operating results fluctuate significantly from period to period, and this may cause volatility in our stock price.**

Our quarterly sales and operating results have fluctuated significantly in the past, and we expect them to continue to fluctuate in the future for a variety of reasons, including the following:

- demand for and market acceptance of our products as a result of the cyclical nature of the industries we serve or otherwise, often resulting in reduced sales during industry downturns and increased sales during periods of industry recovery or growth;
- overall economic conditions;
- changes in the timing and size of orders by our customers;
- strategic decisions by our customers to terminate their outsourcing relationship with us or give market share to our competitors;
- consolidation by our customers;
- cancellations and postponements of previously placed orders;
- pricing pressure from either our competitors or our customers, resulting in the reduction of our product prices or loss of market share;

- disruptions or delays in the manufacturing of our products or in the supply of components or raw materials that are incorporated into or used to manufacture our products, thereby causing us to delay the shipment of products;
- decreased margins for several or more quarters following the introduction of new products, especially as we introduce new subsystems or other products or services;
- changes in design-to-delivery cycle times;
- inability to reduce our costs quickly in step with reductions in our prices or in response to decreased demand for our products;
- changes in our mix of products sold;
- write-offs of excess or obsolete inventory;
- one-time expenses or charges; and
- announcements by our competitors of new products, services or technological innovations, which may, among other things, render our products less competitive.

As a result of the foregoing, we believe that quarter-to-quarter comparisons of our sales and results of operations may not be meaningful and that these comparisons may not be an accurate indicator of our future performance. Changes in the timing or terms of a small number of transactions could disproportionately affect our results of operations in any particular quarter. Moreover, our results of operations in one or more future quarters may fail to meet our guidance or the expectations of securities analysts or investors. If this occurs, we would expect to experience an immediate and significant decline in the trading price of our ordinary shares.

**Labor disruptions could materially adversely affect our business, financial condition and results of operations.**

As of December 30, 2016, we had approximately 587 full time employees and approximately 200 contract or temporary workers worldwide. None of our employees are unionized, but in various countries, local law requires our participation in works councils. While we have not experienced any material work stoppages at any of our facilities, any stoppage or slowdown could cause material interruptions in manufacturing, and we cannot assure you that alternate qualified capacity would be available on a timely basis, or at all. As a result, labor disruptions at any of our facilities could materially adversely affect our business, financial condition and results of operations.

**As a global company, we are subject to the risks of doing business internationally, including periodic foreign economic downturns and political instability, which may adversely affect our sales and cost of doing business in those regions of the world.**

Foreign economic downturns have adversely affected our business and results of operations in the past and could adversely affect our business and results of operations in the future. In addition, other factors relating to the operation of our business outside of the United States may have a material adverse effect on our business, financial condition and results of operations in the future, including:

- the imposition of governmental controls or changes in government regulations, including tax regulations;
- difficulties in enforcing our intellectual property rights;
- difficulties in developing relationships with local suppliers;

- difficulties in attracting new international customers;
- difficulties in complying with foreign and international laws and treaties;
- restrictions on the export of technology;
- compliance with U.S. and international laws involving international operations, including the Foreign Corrupt Practices Act, export control laws and export license requirements;
- difficulties in achieving headcount reductions due to unionized labor and works councils;
- restrictions on transfers of funds and assets between jurisdictions;
- geo-political instability; and
- trade restrictions and changes in taxes and tariffs.

In the future, we may seek to expand our presence in certain foreign markets or enter emerging markets. Evaluating or entering into an emerging market may require considerable management time, as well as start-up expenses for market development before any significant sales and earnings are generated. Operations in new foreign markets may achieve low margins or may be unprofitable, and expansion in existing markets may be affected by local political, economic and market conditions. As we continue to operate our business globally, our success will depend, in part, on our ability to anticipate and effectively manage these and the other risks noted above. The impact of any one or more of these factors could materially adversely affect our business, financial condition and results of operations.

**We are subject to fluctuations in foreign currency exchange rates which could cause operating results and reported financial results to vary significantly from period to period.**

The vast majority of our sales are denominated in U.S. Dollars. Many of the costs and expenses associated with our Singapore, Malaysian and U.K. operations are paid in Singapore Dollars, Malaysian Ringgit or British Pounds (or Euros), respectively, and we expect our exposure to these currencies to increase as we increase our operations in those countries. As a result, our risk exposure from transactions denominated in non-U.S. currencies is primarily related to the Singapore Dollar, Malaysian Ringgit, British Pound and Euro. In addition, because the majority of our sales are denominated in the U.S. Dollar, if one or more of our competitors sells to our customers in a different currency than the U.S. Dollar, we are subject to the risk that the competitors' products will be relatively less expensive than our products due to exchange rate effects. We have not historically established transaction-based hedging programs. Foreign currency exchange risks inherent in doing business in foreign countries could have a material adverse effect on our business, financial condition and results of operations.

**We are subject to numerous environmental laws and regulations, which could require us to incur environmental liabilities, increase our manufacturing and related compliance costs or otherwise adversely affect our business.**

We are subject to a variety of federal, state, local and foreign laws and regulations governing the protection of the environment. These environmental laws and regulations include those relating to the use, storage, handling, discharge, emission, disposal and reporting of toxic, volatile or otherwise hazardous materials used in our manufacturing processes. These materials may have been or could be released into the environment at properties currently or previously owned or operated by us, at other locations during the transport of materials or at properties to which we send substances for treatment or disposal. In addition, we may not be aware of all

environmental laws or regulations that could subject us to liability in the United States or internationally. If we were to violate or become liable under environmental laws and regulations or become non-compliant with permits required at some of our facilities, we could be held financially responsible and incur substantial costs, including cleanup costs, fines and civil or criminal sanctions, third-party property damage or personal injury claims.

**As a result of becoming a public company upon our initial public offering in December 2016, we are obligated to develop and maintain proper and effective internal control over financial reporting in order to comply with Section 404 of the Sarbanes-Oxley Act. We may not complete our analysis of our internal control over financial reporting in a timely manner, or these internal controls may not be determined to be effective, which may adversely affect investor confidence in our company and, as a result, the value of our ordinary shares.**

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with GAAP. We are in the very early stages of the costly and challenging process of compiling the system and processing documentation necessary to perform the evaluation needed to comply with Section 404 of the Sarbanes-Oxley Act. We may not be able to complete our evaluation, testing and any required remediation in a timely fashion. During the evaluation and testing process, if we identify one or more material weaknesses in our internal control over financial reporting, we will be unable to assert that our internal controls are effective. If we are unable to assert that our internal control over financial reporting is effective, we could lose investor confidence in the accuracy and completeness of our financial reports, which would cause the price of our ordinary shares to decline, and we may be subject to investigation or sanctions by the SEC.

We will be required, pursuant to Section 404 of the Sarbanes-Oxley Act, to furnish a report by management on, among other things, the effectiveness of our internal control over financial reporting as of the end of the fiscal year that coincides with the filing of our second annual report to shareholders. This assessment will need to include disclosure of any material weaknesses identified by our management in our internal control over financial reporting. We will also be required to disclose changes made in our internal control and procedures on a quarterly basis. However, our independent registered public accounting firm will not be required to report on the effectiveness of our internal control over financial reporting pursuant to Section 404 of the Sarbanes-Oxley Act until the later of the year following our first annual report required to be filed with the SEC, or the date we are no longer an “emerging growth company” as defined in the JOBS Act if we take advantage of the exemptions contained in the JOBS Act. At such time, our independent registered public accounting firm may issue a report that is adverse in the event it is not satisfied with the level at which our controls are documented, designed or operating. Our remediation efforts may not enable us to avoid a material weakness in the future.

Additionally, to comply with the requirements of being a public company, we may need to undertake various costly and time-consuming actions, such as implementing new internal controls and procedures and hiring accounting or internal audit staff, which may adversely affect our business, financial condition and results of operations.

**In early 2015, we identified a material weakness in our internal control over financial reporting and may identify additional material weaknesses in the future that may cause us to fail to meet our reporting obligations or result in material misstatements of our financial statements. If our internal control over financial reporting or our disclosure controls and procedures are not effective, we may not be able to accurately report our financial results, prevent fraud or file our periodic reports in a timely manner, which may cause investors to lose confidence in our reported financial information and may lead to a decline in our share price.**

In early 2015, we identified a material weakness in our internal control over financial reporting. Specifically, we had overstated our liabilities for the goods received but not invoiced account and cost of goods sold relating to certain aged transactions, whereby accounts payable was not reduced on a timely basis. To remediate this weakness, we have initiated compensating controls regarding the reconciliation of these accounts at the end of each period, including implementing a new account reconciliation tool and a more detailed account review. Despite our efforts, we may identify additional related or unrelated material weaknesses or significant deficiencies in the future. If our internal control over financial reporting or our disclosure controls and procedures are not effective, we may not be able to accurately report our financial results, prevent fraud or file our periodic reports in a timely manner, which may cause investors to lose confidence in our reported financial information and may lead to a decline in our stock price.

**There are limitations on the effectiveness of controls, and the failure of our control systems may materially and adversely impact us.**

We do not expect that disclosure controls or internal controls over financial reporting will prevent all errors and all fraud. A control system, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that the control system's objectives will be met. Further, the design of a control system must reflect the fact that there are resource constraints and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, have been detected. Failure of our control systems to prevent error or fraud could have a material adverse effect on our business, financial condition and results of operations.

**Compliance with recently adopted rules of the SEC relating to "conflict minerals" may require us and our suppliers to incur substantial expense and may result in disclosure by us that certain minerals used in products we manufacture are not "DRC conflict free."**

Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act, or the Dodd-Frank Act, required the SEC to promulgate rules requiring disclosure by a public company of any "conflict minerals" (tin, tungsten, tantalum and gold) necessary to the functionality or production of a product manufactured or contracted to be manufactured by such company. The SEC adopted final rules in 2012 which took effect at the end of January 2013. Because we manufacture products which may contain tin, tungsten, tantalum or gold, we will be required under these rules to determine whether those minerals are necessary to the functionality or production of our products and, if so, conduct a country of origin inquiry with respect to all such minerals. If any such minerals may have originated in the Democratic Republic of the Congo, or the DRC, or any of its adjoining countries, or the "covered countries," then we and our suppliers must conduct diligence on the source and chain of custody of the conflict minerals to determine if they did originate in one of the covered countries and, if so, whether they financed or benefited armed groups in the covered countries. Disclosures relating to the products which may contain conflict minerals, the country of origin of those minerals and whether they are

“DRC conflict free” must be provided in a Form SD (and accompanying conflict minerals report if one is required to disclose the diligence undertaken by us in sourcing the minerals and our conclusions relating to such diligence). If we are required to submit a conflict minerals report, that report must be audited by an independent auditor pursuant to existing government auditing standards, unless (for the first two years) we are unable to determine whether the minerals are “DRC conflict free.” Compliance with this new disclosure rule may be very time consuming for management and our supply chain personnel (as well as time consuming for our suppliers) and could involve the expenditure of significant amounts of money and resources by us and them. Disclosures by us mandated by the new rules which are perceived by the market to be “negative” may cause customers to refuse to purchase our products. We are currently unable to assess the cost of compliance with this rule, and we cannot assure you that such cost will not have a material adverse effect on our business, financial condition and results of operations.

**Our business is subject to the risks of earthquakes, fire, power outages, floods, and other catastrophic events, and to interruption by man-made disruptions, such as terrorism.**

Our facilities could be subject to a catastrophic loss caused by natural disasters, including fires and earthquakes. If any of our facilities were to experience a catastrophic loss, it could disrupt our operations, delay production and shipments, reduce sales and result in large expenses to repair or replace the facility. In addition, we may experience extended power outages at our facilities. Disruption in supply resulting from natural disasters or other casualties or catastrophic events may result in certain of our suppliers being unable to deliver sufficient quantities of components or raw materials at all or in a timely manner, disruptions in our operations or disruptions in our customers’ operations. To the extent that natural disasters or other calamities or casualties should result in delays or cancellations of customer orders, or the delay in the manufacture or shipment of our products, our business, financial condition and results of operations would be adversely affected.

**Changes in tax laws, tax rates or tax assets and liabilities could materially adversely affect our financial condition and results of operations.**

As a global company, we are subject to taxation in the United States and various other countries. Significant judgment is required to determine and estimate worldwide tax liabilities. Our future annual and quarterly tax rates could be affected by numerous factors, including changes in applicable tax laws, the amount and composition of pre-tax income in countries with differing tax rates or valuation of our deferred tax assets and liabilities. We have significant operations in the United States and our holding company structure includes entities organized in the Cayman Islands, Netherlands, Singapore and Scotland. As a result, changes in applicable tax laws in these jurisdictions could have a material adverse effect on our financial condition and results of operations.

We are also subject to regular examination by the Internal Revenue Service and other tax authorities, and from time to time we initiate amendments to previously filed tax returns. We regularly assess the likelihood of favorable or unfavorable outcomes resulting from these examinations and amendments to determine the adequacy of our provision for income taxes, which requires estimates and judgments. Although we believe our tax estimates are reasonable, we cannot assure you that the tax authorities will agree with such estimates. We may have to engage in litigation to achieve the results reflected in the estimates, which may be time-consuming and expensive. We cannot assure you that we will be successful or that any final determination will not be materially different from the treatment reflected in our historical income tax provisions and accruals, which could materially and adversely affect our financial condition and results of operations.

## **Risks Related to this Offering and Ownership of Our Ordinary Shares**

### **You may not be able to resell your shares at or above the offering price or at all, and there may not be an active trading market for our ordinary shares**

We completed our initial public offering in December 2016. As a result, there has been a public market for our ordinary shares for only a short period of time. An active, liquid and orderly market for our ordinary shares may not be sustained, which could depress the trading price of our ordinary shares. In addition, the market price of our ordinary shares may fluctuate significantly and may be adversely affected by broad market and industry factors, regardless of our actual operating performance. An inactive market may also impair our ability to raise capital by selling our ordinary shares, and it may impair our ability to attract and motivate our employees through equity incentive awards.

### **The price of our ordinary shares may fluctuate substantially**

You should consider an investment in our ordinary shares to be risky, and you should invest in our ordinary shares only if you can withstand a significant loss and wide fluctuations in the market value of your investment. Some factors that may cause the market price of our ordinary shares to fluctuate, in addition to the other risks mentioned in this section of the prospectus, are:

- our announcements or our competitors' announcements regarding new products or services, enhancements, significant contracts, acquisitions or strategic investments;
- changes in earnings estimates or recommendations by securities analysts, if any, who cover our ordinary shares;
- speculation about our business in the press or investment community;
- failures to meet external expectations or management guidance;
- fluctuations in our quarterly financial results or the quarterly financial results of companies perceived to be similar to us;
- changes in our capital structure or dividend policy, future issuances of securities, sales of large blocks of ordinary shares by our shareholders, including Francisco Partners and its affiliates (referred to herein as Francisco Partners), our incurrence of additional debt or our failure to comply with the agreements governing our Credit Facilities;
- our decision to enter new markets;
- reputational issues;
- changes in general economic and market conditions in any of the regions in which we conduct our business;
- material litigation or government investigations;
- the expiration of lock-up agreements;
- changes in industry conditions or perceptions; and
- changes in applicable laws, rules or regulations.

In addition, if the market for stocks in our industry or industries related to our industry, or the stock market in general, experiences a loss of investor confidence, the trading price of our ordinary shares could decline for reasons unrelated to our business, financial condition and results of operations. If any of the foregoing occurs, it could cause our share price to fall and may expose us to lawsuits that, even if unsuccessful, could be costly to defend and a distraction to management.

**Future sales of our ordinary shares, or the perception in the public markets that these sales may occur, may depress our share price.**

Sales of substantial amounts of our ordinary shares in the public market, or the perception that these sales could occur, could adversely affect the price of our ordinary shares and could impair our ability to raise capital through the sale of additional shares. As of March 31, 2017, we had 24,770,889 ordinary shares issued and outstanding. The 6,759,445 ordinary shares sold in our initial public offering (including the sale of 881,667 ordinary shares pursuant to the exercise of the over-allotment option granted to the underwriters) and the 4,500,000 ordinary shares (or 5,175,000 shares if the underwriters exercise in full their option to purchase 675,000 from the selling shareholders) being sold in this offering are or will be freely tradable without restriction under the Securities Act, except that any ordinary shares that may be acquired by our directors, executive officers and other affiliates, as that term is defined in the Securities Act, may be sold only in compliance with the limitations described in “Shares Eligible for Future Sale”.

The remaining ordinary shares, representing approximately 54.5% of our total outstanding ordinary shares following this offering (assuming the underwriters do not exercise their option to purchase additional shares) are “restricted securities” within the meaning of Rule 144 and subject to certain restrictions on resale. Restricted securities may be sold in the public market only if they are registered under the Securities Act or are sold pursuant to an exemption from registration such as Rule 144 or Rule 701, as described in “Shares Eligible for Future Sale.”

We, each of our executive officers and directors and the holders of substantially all of our ordinary shares (including Francisco Partners) agreed, subject to certain exceptions, with the underwriters of this offering not to dispose of or hedge any of the ordinary shares or securities convertible into or exchangeable for ordinary shares during the period from the date of the prospectus for our initial public offering continuing through the date that is 90 days after the date of such prospectus (subject to extension in certain circumstances). The representatives of the underwriters may, in their sole discretion, release any of these shares from these restrictions at any time without notice.

After the lock-up agreements expire, all shares subject to such agreements will be eligible for sale in the public market subject to the provisions of Rule 144 or Rule 701. In addition, subject to any lock-up restrictions, Francisco Partners will also have the right to require us to register the sales of their shares under the Securities Act, under the terms of an agreement between us and Francisco Partners.

In addition, we have filed a registration statement to register all shares subject to equity awards outstanding or reserved for future issuance under our equity compensation plans. If these additional shares are sold, or if it is perceived that they will be sold, in the public market, the trading price of our ordinary shares could decline.

In the future, we may also issue our securities in connection with investments or acquisitions. The number of our ordinary shares issued in connection with an investment or acquisition could constitute a material portion of our then-outstanding ordinary shares.

**We are a “controlled company” and, as a result, we are exempt from obligations to comply with certain corporate governance requirements.**

As of March 31, 2017, Francisco Partners beneficially owned approximately 17.7 million ordinary shares, or approximately 71.5% of our outstanding ordinary shares. Upon completion of this offering Francisco Partners will beneficially own approximately 13.4 million ordinary

shares (or approximately 12.8 million ordinary shares if the underwriters exercise in full their option to purchase 675,000 shares from the selling shareholders). Accordingly, we are (and following this offering will continue to be) a “controlled company” for purposes of listing requirements on the NASDAQ. As such, we are exempt from the obligation to comply with certain corporate governance requirements, including the requirements that a majority of our board of directors consists of independent directors, and that we have nominating and compensation committees that are each composed entirely of independent directors. These exemptions do not modify the requirement for a fully independent audit committee, which is permitted to be phased-in as follows: (1) one independent committee member at the time of our initial public offering; (2) a majority of independent committee members within 90 days of our initial public offering; and (3) all independent committee members within one year of our initial public offering. Our audit committee is currently comprised of a majority of independent directors. Similarly, once we are no longer a “controlled company,” we must comply with the independent board committee requirements as they relate to the nominating and compensation committees, on the same phase-in schedule as set forth above, with the trigger date being the date we are no longer a “controlled company” as opposed to our initial public offering date. Additionally, we will have 12 months from the date we cease to be a “controlled company” to have a majority of independent directors on our board of directors.

In addition, our amended and restated memorandum and articles of association contains a provision that provides Francisco Partners the right to designate: (i) all of the nominees for election to our board of directors for so long as Francisco Partners beneficially owns 40% or more of the total number of ordinary shares then outstanding; (ii) a number of directors (rounded up to the nearest whole number) equal to 40% of the total directors for so long as Francisco Partners beneficially owns at least 30% and less than 40% of the total number of ordinary shares then outstanding; (iii) a number of directors (rounded up to the nearest whole number) equal to 30% of the total directors for so long as Francisco Partners beneficially owns at least 20% and less than 30% of the total number of ordinary shares then outstanding; (iv) two directors for so long as Francisco Partners beneficially owns at least 10% and less than 20% of the total number of ordinary shares then outstanding; and (v) one director for so long as Francisco Partners beneficially owns at least 5% and less than 10% of the total number of ordinary shares then outstanding. This provision also provides that Francisco Partners may assign such right to an affiliate of Francisco Partners. Our amended and restated memorandum and articles of association prohibits us from increasing or decreasing the size of our board of directors without the prior written consent of Francisco Partners for so long as it has nomination rights.

**We are controlled by Francisco Partners, whose interests may conflict with yours. The concentrated ownership of our ordinary shares will prevent you and other shareholders from influencing significant decisions.**

As a result of its ownership of our ordinary shares, Francisco Partners, so long as it holds a majority of our outstanding ordinary shares, will have the ability to control the outcome of matters submitted to a vote of shareholders and, through our board of directors, the ability to control decision-making with respect to our business direction and policies. Matters over which Francisco Partners will, directly or indirectly, exercise control following this offering include:

- the election of our board of directors and the appointment and removal of our officers;
- mergers and other business combination transactions, including proposed transactions that would result in our shareholders receiving a premium price for their shares;
- other acquisitions or dispositions of businesses or assets;

- incurrence of indebtedness and the issuance of equity securities;
- the repurchase of shares and payment of dividends; and
- the issuance of shares to management under our equity compensation plans.

Even if Francisco Partners' ownership of our ordinary shares falls below a majority, it may continue to be able to strongly influence or effectively control our decisions. Under Cayman Islands Law, Francisco Partners and its affiliates do not have any obligation to present to us, and Francisco Partners and its affiliates may separately pursue, corporate opportunities of which they become aware, even if those opportunities are ones that we would have pursued if granted the opportunity. For additional information about our relationship with Francisco Partners, see "Certain Relationships and Related Party Transactions."

**We are an "emerging growth company" and may elect to comply with reduced public company reporting requirements, which could make our ordinary shares less attractive to investors.**

We are an emerging growth company, as defined in the JOBS Act. For as long as we continue to be an emerging growth company, we may choose to take advantage of exemptions from various public company reporting requirements. These exemptions include, but are not limited to, (i) not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act, (ii) reduced disclosure obligations regarding executive compensation in our periodic reports, proxy statements and registration statements, and (iii) exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved. We could be an emerging growth company for up to five years after the first sale of our ordinary shares pursuant to an effective registration statement under the Securities Act, which fifth anniversary will occur in 2021. However, if certain events occur prior to the end of such five-year period, including if we become a "large accelerated filer," our annual gross revenue exceeds \$1.0 billion or we issue more than \$1.0 billion of non-convertible debt in any three-year period, we would cease to be an emerging growth company prior to the end of such five-year period. We have taken advantage of certain of the reduced disclosure obligations regarding executive compensation in this prospectus and may elect to take advantage of other reduced disclosure obligations in future filings. As a result, the information that we provide to holders of our ordinary shares may be different than you might receive from other public reporting companies in which you hold equity interests. We cannot predict if investors will find our ordinary shares less attractive as a result of our reliance on these exemptions. If some investors find our ordinary shares less attractive as a result of any choice we make to reduce disclosure, there may be a less active trading market for our ordinary shares and the price for our ordinary shares may be more volatile.

Under the JOBS Act, emerging growth companies may also elect to delay adoption of new or revised accounting standards until such time as those standards apply to private companies. We have elected not to avail ourselves of this extended transition period for complying with new or revised accounting standards and, therefore, we will be subject to the same new or revised accounting standards as other public companies.

**We do not expect to pay any cash dividends for the foreseeable future.**

On August 11, 2015, our board of directors approved and we declared a one-time approximately \$22.1 million cash dividend on our outstanding preferred shares using proceeds from borrowings under our Credit Facilities and cash on hand. However, we do not anticipate that we will pay any cash dividends on our ordinary shares for the foreseeable future. Any

determination to pay dividends in the future will be at the discretion of our board of directors and will depend upon our financial condition, results of operations, contractual restrictions (including those under our Credit Facilities and any potential indebtedness we may incur in the future), restrictions imposed by applicable law, tax considerations and other factors our board of directors deems relevant. There can be no assurance that we will pay a dividend in the future or continue to pay any dividend if we do commence paying dividends. Accordingly, if you purchase shares in this offering, realization of a gain on your investment will depend on the appreciation of the price of our ordinary shares, which may never occur. Investors seeking cash dividends in the foreseeable future should not purchase our ordinary shares.

**Our articles of association contain anti-takeover provisions that could adversely affect the rights of our shareholders.**

Our articles of association contain provisions to limit the ability of others to acquire control of our company or cause us to engage in change-of-control transactions, including, among other things:

- provisions that authorize our board of directors, without action by our shareholders, to issue additional ordinary shares and preferred shares with preferential rights determined by our board of directors;
- provisions that permit only a majority of our board of directors or the chairman of our board of directors to call shareholder meetings and therefore do not permit shareholders to call shareholder meetings;
- provisions that impose advance notice requirements, minimum shareholding periods and ownership thresholds, and other requirements and limitations on the ability of shareholders to propose matters for consideration at shareholder meetings; provided, however, at any time when Francisco Partners beneficially owns, in the aggregate, at least 5% of our ordinary shares, such advance notice procedure will not apply to it; and
- a staggered board whereby our directors are divided into three classes, with each class subject to re-election once every three years on a rotating basis.

These provisions could have the effect of depriving our shareholders of an opportunity to sell their shares at a premium over prevailing market prices by discouraging third parties from seeking to obtain control of our company in a tender offer or similar transaction. With our staggered board of directors, at least two annual meetings of shareholders are generally required in order to effect a change in a majority of our directors. Our staggered board of directors can discourage proxy contests for the election of our directors and purchases of substantial blocks of our shares by making it more difficult for a potential acquirer to gain control of our board of directors in a relatively short period of time. For a further discussion of these and other such anti-takeover provisions, see “Description of Share Capital.”

**The issuance of preferred shares could adversely affect holders of ordinary shares.**

Our board of directors is authorized to issue preferred shares without any action on the part of holders of our ordinary shares. Our board of directors also has the power, without shareholder approval, to set the terms of any such preferred shares that may be issued, including voting rights, dividend rights, and preferences over our ordinary shares with respect to dividends or if we liquidate, dissolve or wind up our business and other terms. If we issue preferred shares in the future that have preference over our ordinary shares with respect to the payment of dividends or upon our liquidation, dissolution or winding up, or if we issue

preferred shares with voting rights that dilute the voting power of our ordinary shares, the rights of holders of our ordinary shares or the price of our ordinary shares could be adversely affected.

**You may face difficulties in protecting your interests as a shareholder, as Cayman Islands law provides substantially less protection when compared to the laws of the United States.**

Our corporate affairs are governed by our amended and restated memorandum and articles of association and by the Companies Law (2016 Revision) and common law of the Cayman Islands. The rights of shareholders to take legal action against our directors and us, actions by minority shareholders and the fiduciary responsibilities of our directors to us under Cayman Islands law are to a large extent governed by the common law of the Cayman Islands. The common law of the Cayman Islands is derived in part from comparatively limited judicial precedent in the Cayman Islands as well as from English common law, which has persuasive, but not binding, authority on a court in the Cayman Islands. The rights of our shareholders and the fiduciary responsibilities of our directors under Cayman Islands law are not as clearly established as they would be under statutes or judicial precedents in the United States. In particular, the Cayman Islands have a less exhaustive body of securities laws as compared to the United States. In addition, Cayman Islands companies may not have standing to initiate a shareholder derivative action before the United States federal courts.

As a result of all of the above, our shareholders may have more difficulty in protecting their interests through actions against us or our officers, directors or major shareholders than would shareholders of a corporation incorporated in a jurisdiction in the United States.

**Certain judgments obtained against us by our shareholders may not be enforceable.**

We are a Cayman Islands company and a portion our assets are located outside of the United States. As a result, it may be difficult or impossible for you to bring an action against us in the United States in the event that you believe that your rights have been infringed under U.S. federal securities laws or otherwise. Even if you are successful in bringing an action of this kind, the laws of the Cayman Islands may render you unable to enforce a judgment against our assets. There is no statutory recognition in the Cayman Islands of judgments obtained in the United States, although the courts of the Cayman Islands will generally recognize and enforce a non-penal judgment of a foreign court of competent jurisdiction without retrial on the merits. For more information regarding the relevant laws of the Cayman Islands, see "Enforcement of Civil Liabilities Under U.S. Federal Securities Laws."

**There can be no assurance that we will not be a passive foreign investment company for any taxable year, which could result in adverse U.S. federal income tax consequences to U.S. Holders of our ordinary shares.**

A non-U.S. corporation will be a passive foreign investment company, or PFIC, for any taxable year if either (i) at least 75% of its gross income for such year is passive income or (ii) at least 50% of the value of its assets (based on an average of the quarterly values of the assets) during such year is attributable to assets that produce or are held for the production of passive income. Our PFIC status for any taxable year can be determined only after the close of that year.

Based on the value of our assets and the composition of our income and assets, we do not believe we were treated as a PFIC for U.S. federal income purposes for our taxable year ended December 30, 2016. However, the determination of PFIC status is based on an annual determination that cannot be made until the close of a taxable year, involves extensive factual

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investigation, including ascertaining the fair market value of all of our assets on a quarterly basis and the character of each item of income that we earn, and is subject to uncertainty in several respects. Accordingly, we cannot assure you that we will not be treated as a PFIC for our current taxable year ending December 29, 2017, or for any future taxable year, or that the IRS will not take a contrary position.

If we are a PFIC for any taxable year during which a U.S. person holds ordinary shares, certain adverse U.S. federal income tax consequences could apply to such U.S. person. See “Material Tax Considerations—Material U.S. Federal Income Tax Consequences—Passive Foreign Investment Company.” You are strongly urged to consult your tax advisors as to whether or not we will be a PFIC.

## CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements within the meaning of the federal securities laws. All statements other than statements of historical fact included in this prospectus are forward-looking statements. These statements relate to analyses and other information, which are based on forecasts of future results and estimates of amounts not yet determinable. These statements also relate to our future prospects, developments and business strategies. These forward-looking statements are identified by the use of terms and phrases such as “anticipate,” “believe,” “could,” “estimate,” “expect,” “intend,” “may,” “plan,” “predict,” “project,” “will” and similar terms and phrases, including references to assumptions. However, these words are not the exclusive means of identifying such statements. These statements are contained in many sections of this prospectus, including those entitled “Prospectus Summary,” “Business” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations.” Although we believe that our plans, intentions and expectations reflected in or suggested by such forward-looking statements are reasonable, we cannot assure you that we will achieve those plans, intentions or expectations. All forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those that we expected.

Important factors that could cause actual results to differ materially from our expectations, or cautionary statements, are disclosed under the sections entitled “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” in this prospectus. All written and oral forward-looking statements attributable to us, or persons acting on our behalf, are expressly qualified in their entirety by the cautionary statements contained in this prospectus under the heading “Risk Factors,” as well as other cautionary statements that are made from time to time in our other SEC filings and public communications. You should evaluate all forward-looking statements made in this prospectus in the context of these risks and uncertainties.

We caution you that the important factors referenced above may not contain all of the factors that are important to you. In addition, we cannot assure you that we will realize the results or developments we expect or anticipate or, even if substantially realized, that they will result in the consequences or affect us or our operations in the way we expect. The forward-looking statements included in this prospectus are made only as of the date hereof. We undertake no obligation to publicly update or revise any forward-looking statement as a result of new information, future events or otherwise, except as otherwise required by law.

## **ENFORCEMENT OF CIVIL LIABILITIES UNDER U.S. FEDERAL SECURITIES LAWS**

We are incorporated under the laws of the Cayman Islands. As a result, although we have appointed our subsidiary, Ichor Systems, Inc., as our agent for service of process in the United States, it may be difficult for a shareholder to effect service of process within the United States upon us, or to enforce against us judgments obtained in U.S. courts, including judgments predicated upon the civil liability provisions of the securities laws of the United States or any state thereof.

The Company has been advised by its Cayman Islands legal counsel that the courts of the Cayman Islands are unlikely (1) to recognize or enforce against the Company judgments of courts of the United States predicated upon the civil liability provisions of the securities laws of the United States or any State, and (2) in original actions brought in the Cayman Islands, to impose liabilities against the Company predicated upon the civil liability provisions of the securities laws of the United States or any State, so far as the liabilities imposed by those provisions are penal in nature. In those circumstances, although there is no statutory enforcement in the Cayman Islands of judgments obtained in the United States, the courts of the Cayman Islands will recognize and enforce a foreign money judgment of a foreign court of competent jurisdiction without retrial on the merits based on the principle that a judgment of a competent foreign court imposes upon the judgment debtor an obligation to pay the sum for which judgment has been given provided certain conditions are met. For a foreign judgment to be enforced in the Cayman Islands, such judgment must be final and conclusive and for a liquidated sum, and must not be in respect of taxes or a fine or penalty, inconsistent with a Cayman Islands judgment in respect of the same matter, impeachable on the grounds of fraud or obtained in a manner, and or be of a kind the enforcement of which is, contrary to natural justice or the public policy of the Cayman Islands (awards of punitive or multiple damages may well be held to be contrary to public policy). A Cayman Islands Court may stay enforcement proceedings if concurrent proceedings are being brought elsewhere.

## **USE OF PROCEEDS**

The selling shareholders are selling all of the ordinary shares being sold in this offering, including any shares sold upon the exercise of the underwriters' option to purchase additional ordinary shares. See "Principal and Selling Shareholders." Accordingly, we will not receive any proceeds from the sale of shares of our ordinary shares by the selling shareholders in this offering, other than payment of the exercise price from one selling shareholder who is exercising options for the purpose of selling shares in this offering. We have agreed to pay certain expenses related to this offering.

### MARKET PRICE OF OUR ORDINARY SHARES

On December 9, 2016, our ordinary shares began trading on the NASDAQ under the symbol "ICHR". Prior to that time, there was no public market for our ordinary shares. Shares sold in our initial public offering were priced at \$9.00 per share on December 8, 2016. The following table sets forth the high and low sales prices per share of our ordinary shares as reported by the NASDAQ for the periods indicated.

	<u>High</u>	<u>Low</u>
<b>Fiscal 2016:</b>		
Fourth Quarter (from December 9, 2016)	\$ 11.23	\$ 9.76
<b>Fiscal 2017:</b>		
First Quarter	\$20.20	\$10.81
Second Quarter (through April 21, 2017)	\$20.37	\$16.82

On March 30, 2017, there were approximately 6 shareholders of record of our ordinary shares. This number does not include shareholders for whom shares are held in "nominee" or "street" name.

## **DIVIDEND POLICY**

In August 2015, our board of directors approved and we declared a one-time approximately \$22.1 million cash dividend, or the 2015 Dividend, on our outstanding preferred shares using proceeds from our Credit Facilities and cash on hand. However, we do not anticipate that we will pay any cash dividends on our ordinary shares for the foreseeable future. Any determination to pay dividends in the future will be at the discretion of our board of directors and will depend upon our financial condition, results of operations, contractual restrictions (including those under our Credit Facilities and any potential indebtedness we may incur in the future), restrictions imposed by applicable law, tax considerations and other factors our board of directors deems relevant. There can be no assurance that we will pay a dividend in the future or continue to pay any dividend if we do commence paying dividends. Accordingly, if you purchase shares in this offering, realization of a gain on your investment will depend on the appreciation of the price of our ordinary shares, which may never occur. Investors seeking cash dividends in the foreseeable future should not purchase our ordinary shares.

Because we are a holding company, our ability to pay cash dividends on our ordinary shares may be limited by restrictions on our ability to obtain sufficient funds through dividends from subsidiaries. In particular, the agreements governing our and our subsidiaries' indebtedness, including our Credit Facilities, contain restrictions on the ability of our subsidiaries to make cash dividends to us.

## CAPITALIZATION

The following table sets forth our cash and restricted cash and consolidated capitalization as of December 30, 2016 on a historical basis.

You should read the following table in conjunction with the sections entitled “Use of Proceeds,” “Selected Historical Consolidated Financial Data,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and our consolidated financial statements and related notes thereto included elsewhere in this prospectus.

	December 30, 2016 (in thousands)
Cash and restricted cash	\$ 52,648
<b>Long-term debt:</b>	
Senior credit facilities:	
Revolving credit facility	—
Term loan	39,830
Total long-term debt(1)	39,830
<b>Equity:</b>	
Ordinary shares, par value \$0.0001 per share, 200,000,000 shares authorized and 23,857,381 shares issued and outstanding	2
Preferred shares, par value \$0.0001 per share, 20,000,000 shares authorized and zero shares issued and outstanding	—
Additional paid-in-capital	196,049
Accumulated Deficit	(54,392)
Total equity	141,659
<b>Total capitalization</b>	<b>\$ 282,491</b>

(1) The outstanding amount under our term loan facility reflected in our consolidated financial statements included elsewhere in this prospectus is net of \$1.9 million of debt discount.

**SELECTED CONSOLIDATED FINANCIAL DATA**

The following tables present our historical selected consolidated financial data. The selected consolidated statement of operations data for the years ended December 30, 2016, December 25, 2015 and December 26, 2014 and the selected balance sheet data as of December 30, 2016 and December 25, 2015 and are derived from our audited consolidated financial statements that are included elsewhere in this prospectus. The selected balance sheet data as of December 26, 2014 is derived from our audited consolidated balance sheet as of such date not included in this prospectus.

Our historical results are not necessarily indicative of the results that may be expected in the future and interim results are not necessarily indicative of results to be expected for the full year. You should read the selected historical financial data below in conjunction with the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the financial statements and related notes included elsewhere in this prospectus.

(In thousands, except share and per share amounts)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Statement of Operations Data:</b>			
Net sales	\$ 405,747	\$ 290,641	\$ 249,087
Cost of sales(1)	340,352	242,087	212,747
Gross profit	65,395	48,554	36,340
Operating expenses:			
Research and development(1)	6,383	4,813	3,915
Selling, general and administrative(1)	28,126	24,729	22,465
Amortization of intangible assets	7,015	6,411	6,411
Total operating expenses	41,524	35,953	32,791
Operating income	23,871	12,601	3,549
Interest expense	4,370	3,831	3,118
Other expense (income), net	(629)	(46)	253
Income from continuing operations before income taxes	20,130	8,816	178
Income tax benefit from continuing operations(2)	(649)	(3,991)	(5,604)
Net income from continuing operations	20,779	12,807	5,782
Discontinued Operations:			
Income (loss) from discontinued operations before taxes	(4,077)	(7,406)	132
Income tax expense (benefit) from discontinued operations	40	(225)	(254)
Net income (loss) from discontinued operations	(4,117)	(7,181)	386
Net income	16,662	5,626	6,168
Less: Preferred share dividend	—	(22,127)	—
Less: Undistributed earnings attributable to preferred shareholders	(15,284)	—	(6,165)
Net income (loss) attributable to ordinary shareholders	\$ 1,378	\$ (16,501)	\$ 3
Net income (loss) per share from continuing operations attributable to ordinary shareholders:(3)			
Basic	\$ 1.14	\$ (292.39)	\$ 0.36
Diluted	\$ 0.87	\$ (292.39)	\$ 0.16
Net income (loss) per share attributable to ordinary shareholders			
Basic	\$ 0.92	\$ (517.68)	\$ 0.36
Diluted	\$ 0.70	\$ (517.68)	\$ 0.16
Shares used to compute net income (loss) from continuing operations per share attributable to ordinary shareholders:(3)			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422
Shares used to compute net income per share attributable to ordinary shareholders:(3)			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422

(In thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Balance Sheet Data:</b>			
Cash and restricted cash	\$ 52,648	\$ 24,188	\$ 14,373
Working capital	56,020	24,860	28,117
Total assets	282,491	198,023	215,563
Total long-term debt(4)	39,830	65,000	55,750
Preferred shares	—	142,728	142,728
Total shareholders' equity	141,659	74,678	90,061

- (1) Share-based compensation is included in the consolidated statement of operations data above was as follows:

(In thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Share-Based Compensation Expense:</b>			
Cost of sales	\$ 20	\$ 105	\$ 33
Research and development	35	46	51
Selling, general and administrative	3,161	967	927
Total share-based compensation expense	\$ 3,216	\$ 1,118	\$ 1,011

- (2) Income tax expense (benefit) consists primarily of the impact of foreign operations, including withholding taxes, offset in part by a discrete tax benefit of approximately \$2.3 million that was recorded as a result of the purchase accounting from the Ajax acquisition. See Note 2 to our consolidated financial statements included elsewhere in this prospectus for more information with respect to the Ajax acquisition. Our historical income tax benefit resulted from losses recorded in the U.S., which were being fully benefited through the third quarter of 2015 as a result of an overall deferred tax liability position in the U.S., offset in part by the impact of foreign operations, including withholding taxes. Starting in the fourth quarter of 2015, we are no longer benefiting the losses generated in the U.S.
- (3) See Note 14 to our consolidated financial statements included elsewhere in this prospectus for an explanation of the calculations of our actual basic and diluted net income per share and our pro forma unaudited basic and diluted net income per share.
- (4) Does not include debt issuance costs of \$1,886, \$2,412, and \$615 as of December 30, 2016, December 25, 2015, and December 26, 2014, respectively.

## MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

*You should read the following discussion and analysis of our financial condition and results of operations in conjunction with our consolidated financial statements and related notes included elsewhere in this prospectus. The following discussion contains forward-looking statements based upon our current plans, expectations and beliefs that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements. Factors that could cause or contribute to these differences include those discussed below and elsewhere in this prospectus, particularly in "Risk Factors".*

*We use a 52 or 53 week fiscal year ending on the last Friday in December. The years ended December 30, 2016, December 25, 2015, and December 26, 2014 were 53 weeks, 52 weeks, and 52 weeks, respectively. All references to 2016, 2015, and 2014 are references to fiscal years unless explicitly stated otherwise.*

We are a leader in the design, engineering and manufacturing of critical fluid delivery subsystems for semiconductor capital equipment. Our primary offerings include gas and chemical delivery subsystems, collectively known as fluid delivery subsystems, which are key elements of the process tools used in the manufacturing of semiconductor devices. Our gas delivery subsystems deliver, monitor and control precise quantities of the specialized gases used in semiconductor manufacturing processes such as etch and deposition. Our chemical delivery subsystems precisely blend and dispense the reactive liquid chemistries used in semiconductor manufacturing processes such as electroplating and cleaning. We also manufacture certain components for internal use in fluid delivery systems and for direct sales to our customers. This vertically integrated portion of our business is primarily focused on metal and plastic parts that are used in gas and chemical systems, respectively.

Fluid delivery subsystems ensure accurate measurement and uniform delivery of specialty gases and chemicals at critical steps in the semiconductor manufacturing process. Any malfunction or material degradation in fluid delivery reduces yields and increases the likelihood of manufacturing defects in these processes. Historically, semiconductor OEMs internally designed and manufactured the fluid delivery subsystems used in their process tools. Currently, most OEMs outsource the design, engineering and manufacturing of their gas delivery subsystems to a few specialized suppliers, including us. Additionally, many OEMs are also increasingly outsourcing the design, engineering and manufacturing of their chemical delivery subsystems due to the increased fluid expertise required to manufacture these subsystems. Outsourcing these subsystems has allowed OEMs to leverage the suppliers' highly specialized engineering, design and production skills while focusing their internal resources on their own value-added processes. We believe that this outsourcing trend has enabled OEMs to reduce their fixed costs and development time, as well as provided significant growth opportunities for specialized subsystems suppliers like us.

We have a global footprint with volume production facilities in Malaysia, Singapore and Union City, California. In 2016, 2015, and 2014, our two largest customers by sales were Lam Research and Applied Materials. During 2016, 2015, and 2014, respectively, we generated sales of \$405.7 million, \$290.6 million, and \$249.1 million, gross profit of \$65.4 million, \$48.6 million, and \$36.3 million, net income from continuing operations of \$20.8 million, \$12.8 million, and \$5.8 million, and adjusted net income from continuing operations of \$31.6 million, \$20.2 million, and \$11.7 million. Adjusted net income from continuing operations is a financial measure that is not calculated in accordance with GAAP. See "—Non-GAAP Results" for a discussion of adjusted net income from continuing operations, an accompanying presentation of the most

directly comparable financial measure calculated in accordance with generally accepted accounting principles in the United States, net income from continuing operations, and a reconciliation of the differences between adjusted net income from continuing operations and net income from continuing operations.

## **Key Factors Affecting Our Business**

### *Investment in Semiconductor Manufacturing Equipment*

The design and manufacturing of semiconductor devices is constantly evolving and becoming more complex in order to achieve greater performance and efficiency. To keep pace with these changes, OEMs need to refine their existing products and invest in developing new products. In addition, semiconductor device manufacturers will continue to invest in new wafer fabrication equipment to expand their production capacity and to support new manufacturing processes.

### *Outsourcing of Subsystems by Semiconductor OEMs*

Faced with increasing manufacturing complexities, more complex subsystems, shorter product lead times, shorter industry spend cycles, and significant capital requirements, outsourcing of subsystems and components by OEMs has continued to grow. In the past two decades, OEMs have outsourced most of their gas delivery systems to suppliers such as us. OEMs have also started to outsource their chemical delivery systems in recent years. Our results will be affected by the degree to which outsourcing of these fluid delivery systems by OEMs continues to grow.

### *Cyclicality of Semiconductor Device Industry*

Our business is indirectly subject to the cyclicality of the semiconductor device industry. In 2016, we derived substantially all of our sales from the semiconductor device industry. Demand for semiconductor devices can fluctuate significantly based on changes in general economic conditions, including consumer spending, demand for the products that include these devices and other factors. These fluctuations have in the past resulted in significant variations in our results of operations. The cyclicality of the semiconductor device industries will continue to impact our results of operations in the future.

### *Customer Concentration*

The number of capital equipment manufacturers for the semiconductor device industry has undergone significant consolidation in recent years, resulting in a small number of large manufacturers. Our customers have led much of this consolidation, resulting in our sales being concentrated in a few customers. In 2016, our two largest customers were Lam Research and Applied Materials, which accounted for approximately 51% and 46% of sales, respectively. The sales we generated from these customers in 2016 were spread across 14 different product lines utilized in 10 unique manufacturing process steps. We believe the diversity of products that we provide to these customers, combined with the fact that our customers use our products on numerous types of process equipment, lessens the impact of the inherent concentration in the industry. Our customers often require reduced prices or other pricing, quality or delivery commitments as a condition to their purchasing from us in any given period or increasing their purchase volume, which can, among other things, result in reduced gross margins in order to maintain or expand our market share. Although we do not have any long-term contracts that require customers to place orders with us, Lam Research and Applied Materials have been our customers for over 10 years.

### *Discontinued Operations*

Discontinued operations consist of the results of operations for our systems integration business. The primary purpose of this business was to build modules and tools (metal organic chemical vapor deposition or ion implant) for Veeco Instruments, Inc. In January 2016, our management and the board of directors decided to discontinue this business because it consumed a significant amount of resources while generating low gross margin and contributing only a small amount to our net income. We completed our final builds of these products at the end of May 2016.

### **Components of Our Results of Operations**

The following discussion sets forth certain components of our statements of operations as well as significant factors that impact those items.

#### *Sales*

We generate sales primarily from the design, manufacture and sale of subsystems for semiconductor capital equipment and the sale of refurbished tools. Sales are recognized when persuasive evidence of an arrangement exists, transfer of title has occurred, the fee is fixed or determinable, and collectability is reasonably assured. Our shipping terms are FOB shipping point or FOB destination, or equivalent terms, and accordingly, sales are recognized when legal title has passed to the customer upon shipment or delivery.

#### *Cost of Sales and Gross Profit*

Cost of sales consists primarily of purchased materials, direct labor, indirect labor, plant overhead cost and depreciation expense for our manufacturing facilities and equipment, as well as certain engineering costs that are related to non-recurring engineering services that we provide to, and for which we invoice, our customers in connection with their product development activities. Our business has a highly variable cost structure with a low fixed overhead structure as a percentage of cost of sales. In addition, our existing global manufacturing plant capacity is scalable and we are able to adjust to increased customer demand for our products without significant additional capital investment. We operate our business in this manner in order to avoid having excessive fixed costs during a cyclical downturn while retaining flexibility to expand our production volumes during periods of growth. However, this approach results in a smaller increase in gross margin as a percentage of sales in times of increased demand.

Since the gross margin on each of our products differs, our overall gross margin as a percentage of our sales changes based on the mix of products we sell in any period.

#### *Operating Expenses*

Our operating expenses primarily include research and development and sales, general and administrative expenses. Personnel costs are the most significant component of operating expenses and consist of salaries, benefits, bonuses, share-based compensation and, with regard to sales and marketing expense, sales commissions. Operating expenses also include overhead costs for facilities, IT and depreciation. In addition, our operating expenses include costs related to the impairment of goodwill and intangible assets, amortization of intangible assets and restructuring costs.

*Research and development.* Research and development expense consists primarily of activities related to product design and other development activities, new component testing and evaluation, and test equipment and fixture development. Research and development expense does not include engineering costs that are related to non-recurring engineering services that we provide to and for which we invoice our customers as part of sales, which are reflected as cost of sales. We expect research and development expense will increase in absolute dollars as our customers continue to increase their demand for new product designs and as we invest in our research and product development efforts to enhance our product capabilities and access new customer markets.

*Selling, general and administrative .* Selling expense consists primarily of salaries and commissions paid to our sales and sales support employees and other costs related to the sales of our products. General and administrative expense consists primarily of salaries and overhead associated with our administrative staff, professional fees and depreciation and other allocated facility related costs. We expect selling expenses to increase in absolute dollars as we continue to invest in expanding our markets and as we expand our international operations. We expect general and administrative expenses to also increase in absolute dollars due to an increase in costs related to being a public company, including higher legal, corporate insurance and accounting expenses.

*Amortization of intangibles .* Amortization of intangible assets is related to our finite-lived intangible assets and is computed using the straight-line method over the estimated economic life of the asset.

*Interest Expense, net*

Interest expense, net consists of interest on our outstanding debt under our Credit Facilities and any other indebtedness we may incur in the future.

*Other Expense (Income), Net*

The functional currency of our international subsidiaries located in the United Kingdom, Singapore and Malaysia is the U.S. dollar. Transactions denominated in currencies other than the functional currency generate foreign exchange gains and losses that are included in other expense, net on the accompanying consolidated statements of operations. Substantially all of our sales and agreements with third party suppliers provide for pricing and payments in U.S. dollars and, therefore, are not subject to material exchange rate fluctuations.

*Income Tax Expense (Benefit)*

Income tax expense (benefit) consists primarily of the impact of foreign operations, including withholding taxes, offset in part by a discrete tax benefit of approximately \$2.3 million that was recorded as a result of the purchase accounting from the Ajax acquisition.). Our historical income tax benefit resulted from losses recorded in the United States, which were being fully benefited through the third quarter of 2015 as a result of an overall deferred tax liability position in the United States, offset in part by the impact of foreign operations, including withholding taxes. Starting in the fourth quarter of 2015 we are no longer benefiting the losses generated in the United States. For more information, see Note 2 to “Prospectus Summary—Summary Consolidated Financial Data—Ajax-United Patterns & Molds, Inc. Acquisition” included elsewhere in this prospectus.

## Results of Operations

The following table sets forth our results of operations for the periods presented. The period-to-period comparison of results is not necessarily indicative of results for future periods.

(In thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Statements of Operations Data:</b>			
Sales	\$ 405,747	\$ 290,641	\$ 249,087
Cost of sales	340,352	242,087	212,747
Gross profit	65,395	48,554	36,340
Operating expenses:			
Research and development	6,383	4,813	3,915
Selling, general and administrative	28,126	24,729	22,465
Amortization of intangible assets	7,015	6,411	6,411
Total operating expenses	41,524	35,953	32,791
Operating income	23,871	12,601	3,549
Interest expense	4,370	3,831	3,118
Other expense (income), net	(629)	(46)	253
Income from continuing operations before income taxes	20,130	8,816	178
Income tax benefit from continuing operations	(649)	(3,991)	(5,604)
Net income from continuing operations	20,779	12,807	5,782
Discontinued Operations:			
Income (loss) from discontinued operations before taxes	(4,077)	(7,406)	132
Income tax expense (benefit) from discontinued operations	40	(225)	(254)
Net income (loss) from discontinued operations	(4,117)	(7,181)	386
Net income	<u>\$ 16,662</u>	<u>\$ 5,626</u>	<u>\$ 6,168</u>

The following table sets forth our results of operations as a percentage of our total sales for the periods presented.

(as a percentage of sales)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Consolidated Statements of Operations Data:</b>			
Sales	100.0	100.0	100.0
Cost of sales	83.9	83.3	85.4
Gross profit	16.1	16.7	14.6
Operating expenses:			
Research and development	1.6	1.7	1.6
Selling, general and administrative	6.9	8.5	9.0
Amortization of intangible assets	1.7	2.2	2.6
Total operating expenses	10.2	12.4	13.2
Operating income	5.9	4.3	1.4
Interest expense	1.1	1.3	1.3
Other expense (income), net	(0.2)	0.0	0.1
Income from continuing operations before income taxes	5.0	3.0	0.1
Income tax benefit from continuing operations	(0.2)	(1.4)	(2.2)
Net income from continuing operations	5.1	4.4	2.3
Discontinued operations:			
Income (loss) from discontinued operations before taxes	(1.0)	(2.5)	0.1
Income tax expense (benefit) from discontinued operations	0.0	(0.1)	(0.1)
Net income (loss) from discontinued operations	(1.0)	(2.5)	0.2
Net income	4.1	1.9	2.5

**Comparison of the Years Ended December 30, 2016 and December 25, 2015**

*Sales*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Sales	\$ 405,747	\$ 290,641	\$ 115,106	39.6%

The increase in sales from 2015 to 2016 primarily related to an increase in sales volume. The sales volume increase was due to an approximate 7%, or approximately \$48.1 million, increase in our market share at our two largest customers, and an approximately \$47.0 million increase in the volume of purchases by our two largest customers driven by overall industry growth. We refer to the volume of purchases from us by a customer of ours relative to its other suppliers as our market share of that customer. Ajax contributed \$20.0 million to our sales during 2016. On a geographic basis, sales in the United States increased by \$58.9 million in 2016 to \$216.6 million. Foreign sales increased by \$56.2 million in 2016 to \$189.1 million.

*Cost of Sales and Gross Margin*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Cost of sales	\$ 340,352	\$ 242,087	\$98,265	40.6%
Gross profit	65,395	48,554	16,841	34.7%
Gross margin	16.1%	16.7%		

The increase in cost of sales from 2015 to 2016 was primarily due to the increase in sales.

The increase in absolute dollars of gross profit from 2015 to 2016 was driven primarily by an increase in sales volume.

The decline in gross margin percentage from 2015 to 2016 was primarily due to a decline in margin at individual customers and a shift in customer mix during 2016.

*Research and Development*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Research and development	\$ 6,383	\$ 4,813	\$1,570	32.6%

The increase in research and development expense from 2015 to 2016 was due to an increase in headcount and consulting expense to support additional projects.

*Selling, General and Administrative*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Selling, general and administrative	\$ 28,126	\$ 24,729	\$3,397	13.7%

The increase in selling, general, and administrative expenses from 2015 to 2016 was due to a \$2.1 million increase in share-based compensation expenses, \$1.5 million in incremental operating expenses from Ajax, and \$1.3 million in acquisition-related transaction costs, partially offset by a \$1.4 million decrease in initial public offering expenses. Initial public offering expenses incurred in 2015 were expensed, while those costs incurred in 2016 in relation to our initial public offering were offset against proceeds.

*Interest Expense, Net*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Interest expense, net	\$ 4,370	\$ 3,831	\$ 539	14.1%

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The increase in interest expense, net from 2015 to 2016 was due to a \$12.9 million increase in the average amount borrowed in 2016 as a result of additional borrowings used to fund the Ajax acquisition. Prevailing interest rates were comparable during those periods.

We paid down \$40.0 million of borrowings in December 2016 using proceeds from our initial public offering. Total borrowings outstanding at December 25, 2015, net of debt issuance costs, was \$62.6 million, compared to \$37.9 million at December 30, 2016.

*Other Expense (Income), Net*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Other expense (income), net	\$ (629)	\$ (46)	\$ (583)	N/M

The change in other expense (income), net from 2015 to 2016 was due to exchange rate fluctuations on transactions denominated in the local currencies of our foreign operations, principally the Singapore Dollar, Malaysian Ringgit, and British Pound. Additionally, we recorded \$0.2 million in investment income in 2016 related to our equity method investment.

*Income Tax Expense (Benefit) from Continuing Operations*

(Dollars in thousands)	Year Ended		Change	
	December 30, 2016	December 25, 2015	Amount	%
Income tax expense (benefit) from continuing operations	\$ (649)	\$ (3,991)	\$ 3,342	(83.7)%

The decrease in the income tax benefit from continuing operations from 2015 to 2016 was primarily due to the valuation allowance against substantially all U.S. federal and state net deferred tax assets which was originally recorded during the fourth quarter of 2015. During the fourth quarter of 2015, we determined that it is more likely than not that our U.S. entities will not generate sufficient taxable income to offset reversing deductible temporary differences and to fully utilize tax attribute carryforwards. As a result, we recorded a valuation allowance to reduce our U.S. federal and state deferred tax assets to the amount that is more likely than not to be realized.

**Comparison of the Years Ended December 25, 2015 and December 26, 2014***Sales*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Sales	\$ 290,641	\$ 249,087	\$ 41,554	16.7%

The increase in sales from 2014 to 2015 was primarily related to an increase in sales volume due to an approximate 7%, or approximately \$30 million, increase in our market share at our two largest customers, and an approximate \$8.0 million increase in the volume of purchases by our two largest customers driven by overall industry growth. We refer to the volume of purchases from us by a customer of ours relative to its other suppliers as our market share of that customer. The remaining sales increase was driven by our refurbishment business, where we added additional services. On a geographic basis, sales in the United States decreased by \$3.1 million in 2015 to \$157.7 million. Foreign sales increased by \$44.7 million in 2015 to \$132.9 million.

*Cost of Sales and Gross Margin*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Cost of Sales	\$ 242,087	\$ 212,747	\$29,340	13.8%
Gross profit	48,554	36,340	12,214	33.6%
Gross margin	16.7%	14.6%		

The increase in cost of sales from 2014 to 2015 was primarily due to the increase in sales.

The increase in gross profit from 2014 to 2015 was driven primarily by an increase in sales volume of \$6.1 million, improved margins at our two largest customers of \$4.6 million, and a shift in customer mix of \$1.5 million.

The 210 basis point increase in gross margin from 2014 to 2015 was primarily due to 160 basis point improvement with individual customers and a 50 basis point improvement due to customer mix.

*Research and Development*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Research and Development	\$ 4,813	\$ 3,915	\$ 898	22.9%

The increase in research and development expense from 2014 to 2015 was due to an increase in headcount costs of \$0.4 million and outside engineering services of \$0.4 million to support new product introductions and additional product design activity.

*Selling, General and Administrative*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Selling, general and administrative	\$ 24,729	\$ 22,465	\$2,264	10.1%

The increase in selling, general, and administrative expenses from 2014 to 2015 was due to cash bonuses awarded to holders of employee equity awards in connection with our 2015 Dividend of \$1.8 million and an increase in third-party accounting fees of \$0.5 million.

*Amortization of Intangible Assets*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Amortization of intangibles assets	\$ 6,411	\$ 6,411	\$ —	0.0%

Amortization of intangible assets was the same in 2015 and 2014.

*Interest Expense, Net*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Interest expense, net	\$ 3,831	\$ 3,118	\$ 713	22.9%

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The increase in interest expense, net from 2014 to 2015 was due primarily to the refinancing of our Credit Facilities in August 2015, which resulted in a \$0.5 million write-off of debt issuance costs. In addition, the average amount borrowed increased by \$3.1 million in 2015. Prevailing interest rates were comparable during those periods.

*Other Expense (Income), Net*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Other expense (income), net	\$ (46)	\$ 253	\$ (299)	N/M

The change in other expense (income), net from 2014 to 2015 was due to exchange rate fluctuations on transactions denominated in the local currencies of our foreign operations, principally the Singapore Dollar, Malaysian Ringgit and British Pound.

*Income Tax Expense (Benefit) from Continuing Operations*

(Dollars in thousands)	Year Ended		Change	
	December 25, 2015	December 26, 2014	Amount	%
Income tax expense (benefit) from continuing operations	\$ (3,991)	\$ (5,604)	\$ 1,613	(28.8)%

The decrease in the income tax benefit from continuing operations from 2014 to 2015 was primarily due to an increase in tax expense in certain foreign jurisdictions, including withholding taxes, in which we conduct business and the impact of recording the valuation allowance against substantially all U.S. federal and state net deferred tax assets during the fourth quarter of 2015. During the fourth quarter of 2015, we determined that it is more likely than not that our U.S. entities will not generate sufficient taxable income to offset reversing deductible temporary differences and to fully utilize tax attribute carryforwards. As a result, we recorded a valuation allowance to reduce our U.S. federal and state deferred tax assets to the amount that is more likely than not to be realized.

**Non-GAAP Results**

Management uses non-GAAP adjusted net income from continuing operations to evaluate our operating and financial results. We believe the presentation of non-GAAP results is useful to investors for analyzing business trends and comparing performance to prior periods, along with enhancing investors' ability to view our results from management's perspective. Non-GAAP adjusted net income from continuing operations is defined as net income from continuing operations, adjusted to exclude (i) amortization of intangible assets, share-based compensation expense, and other non-recurring expenses, (ii) tax adjustments related to those non-GAAP adjustments, and (iii) the tax benefit related to the acquisition of Ajax. Non-GAAP adjusted diluted EPS is defined as non-GAAP adjusted net income from continuing operations divided by adjusted diluted ordinary shares, which assumes our initial public offering shares sold, conversion of preferred shares into ordinary shares, and vesting of restricted shares and options that vested at our initial public offering occurred at the beginning of the measurement period.

The following table presents non-GAAP adjusted net income from continuing operations and a reconciliation from net income from continuing operations, the most comparable GAAP measure, for the periods indicated:

(in thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Non-GAAP Data:</b>			
Net income from continuing operations	\$ 20,779	\$ 12,807	\$ 5,782
Non-GAAP adjustments:			
Amortization of intangible assets	7,015	6,411	6,411
Share-based compensation	3,216	1,118	1,011
Other non-recurring expenses(1)	2,988	4,154	1,905
Tax adjustments related to non-GAAP adjustments(2)	(131)	(4,241)	(3,421)
Tax benefit related to Ajax acquisition	(2,271)	—	—
Non-GAAP adjusted net income from continuing operations	\$ 31,596	\$ 20,249	\$ 11,688
Non-GAAP adjusted diluted EPS(3)	\$ 1.31	\$ 0.85	\$ 0.49
Diluted shares used to compute non-GAAP adjusted diluted EPS(4)	24,188,881	23,779,908	23,737,007

(1) Other non-recurring expenses include (i) expenses incurred in connection with preparation for an initial public offering contemplated in 2014 and 2015, (ii) consulting fees paid prior to our initial public offering to Francisco Partners Consulting, LLC, an entity which is owned and controlled by individual operations executives who are associated with our principal shareholders but in which such shareholders hold no interest, (iii) the bonuses paid to members of our management in connection with the cash dividend paid by us in August 2015 and (iv) acquisition-related charges.

(2) The difference between (i) the adjustments to our tax provision (benefit) made in connection with the other non-GAAP adjustments made to determine adjusted net income and (ii) the GAAP tax provision (benefit) for 2016, 2015 and 2014 is (\$518), \$250, and (\$2,183), respectively.

(3) Calculated by dividing non-GAAP adjusted net income from continuing operations by non-GAAP diluted shares outstanding.

(4) Assumes the shares sold in our initial public offering, the conversion of all our outstanding preferred shares into ordinary shares occurred at the beginning of the measurement period, and vesting of restricted shares and options that vested at our initial public offering occurred at the beginning of the measurement period, for comparability between current and prior periods.

Non-GAAP adjusted net income from continuing operations has limitations as an analytical tool, and you should not consider it in isolation or as a substitute for net income or any of our other operating results reported under GAAP. Other companies may calculate adjusted net income differently or may use other measures to evaluate their performance, both of which could reduce the usefulness of our adjusted net income as a tool for comparison.

Because of these limitations, you should consider non-GAAP adjusted net income from continuing operations alongside other financial performance measures, including net income from continuing operations and other financial results presented in accordance with GAAP. In addition, in evaluating non-GAAP adjusted net income, you should be aware that in the future we will incur expenses such as those that are the subject of adjustments in deriving adjusted net income and you should not infer from our presentation of adjusted net income that our future results will not be affected by these expenses or any unusual or non-recurring items.

**Unaudited Quarterly Financial Results**

The following table sets forth statement of operations data for the periods indicated. The information for each of these periods is unaudited and has been prepared on the same basis as our audited consolidated financial statements included herein and includes all adjustments, consisting only of normal recurring adjustments that we consider necessary for a fair presentation of our unaudited operations data for the period presented. Historical results are not necessarily indicative of the results to be expected in the future.

(in thousands, except share and per share amounts)	Three Months Ended								
	December 30, 2016	September 23, 2016	June 24, 2016	March 25, 2016	December 25, 2015	September 25, 2015	June 26, 2015	March 27, 2015	
Sales	\$ 131,408	\$ 105,687	\$ 95,365	\$ 73,287	\$ 64,359	\$ 75,466	\$ 73,293	\$ 77,523	
Cost of sales	110,003	88,802	80,185	61,362	53,890	62,812	61,224	64,161	
Gross profit	21,405	16,885	15,180	11,925	10,469	12,654	12,069	13,362	
Operating expenses:									
Research and development	2,154	1,564	1,290	1,375	1,344	1,397	1,081	991	
Selling, general and administrative	7,797	6,782	7,183	6,364	6,645	7,036	6,042	5,006	
Amortization of intangible assets	1,805	1,804	1,803	1,603	1,603	1,602	1,603	1,603	
Total operating expenses	11,756	10,150	10,276	9,342	9,592	10,035	8,726	7,600	
Operating income	9,649	6,735	4,904	2,583	877	2,619	3,343	5,762	
Interest expense	1,125	1,183	1,160	902	933	1,415	726	757	
Other expense (income), net	(245)	(241)	244	(387)	(4)	(40)	28	(30)	
Income (loss) from continuing operations before income taxes	8,769	5,793	3,500	2,068	(52)	1,244	2,589	5,035	
Income tax expense (benefit) from continuing operations	778	(1,888)	225	236	(67)	(2,159)	(930)	(835)	
Net income from continuing operations	7,991	7,681	3,275	1,832	15	3,403	3,519	5,870	
Discontinued Operations:									
Income (loss) from discontinued operations before taxes	(64)	16	(2,305)	(1,724)	(6,688)	(721)	338	(335)	
Income tax expense (benefit) from discontinued operations	14	23	2	1	100	(333)	133	(125)	
Net income (loss) from discontinued operations	(78)	(7)	(2,307)	(1,725)	(6,788)	(388)	205	(210)	
Net income (loss)	7,913	7,674	968	107	(6,773)	3,015	3,724	5,660	
Less: Preferred share dividend	—	—	—	—	—	(22,127)	—	—	
Less: Undistributed earnings attributable to preferred shareholders	(5,666)	(7,628)	(963)	(107)	—	—	(3,719)	(5,653)	
Net income (loss) attributable to ordinary shareholders	\$ 2,247	\$ 46	\$ 5	\$ —	\$ (6,773)	\$ (19,112)	\$ 5	\$ 7	
Diluted net income (loss) per share from continuing operations attributable to ordinary shareholders:(1)	\$ 0.39	\$ 0.08	\$ 0.06	\$ 0.03	\$ —	\$ (595.53)	\$ 0.10	\$ 0.17	
Diluted net income (loss) per share attributable to ordinary shareholders:(1)	\$ 0.38	\$ 0.08	\$ 0.02	\$ —	\$ (120.25)	\$ (607.87)	\$ 0.10	\$ 0.17	
Shares used to compute diluted net income (loss) per share from continuing operations attributable to ordinary shareholders:(1)	5,870,331	542,949	277,554	249,889	56,322	31,441	49,523	40,942	
Shares used to compute diluted net income (loss) per share attributable to ordinary shareholders:(1)	5,870,331	542,949	277,554	65,673	56,322	31,441	49,523	40,942	

(1) Diluted net income per share attributable to ordinary shareholders is presented in conformity with the two-class method required for participating securities. Ichor considers its convertible preferred shares to be a participating security, as the convertible

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preferred shares participate in dividends with ordinary shareholders, when and if declared by the board of directors. In the event a dividend is paid on ordinary shares, the holders of preferred shares are entitled to a proportionate share of any such dividend as if they were holders of ordinary shares (on an as-if converted basis). The convertible preferred shares do not participate in losses incurred by Ichor. In accordance with the two-class method, earnings allocated to these participating securities and the related number of outstanding shares of the participating securities, which include contractual participation rights in undistributed earnings, have been excluded from the computation of basic and diluted net income per share attributable to ordinary shareholders.

The following table sets forth our unaudited quarterly consolidated statement of operations data as a percentage of sales for each of the last eight quarters in the period ended December 30, 2016.

(in thousands, except share and per share amounts)	Three Months Ended							
	December 30, 2016	September 23, 2016	June 24, 2016	March 25, 2016	December 25, 2015	September 25, 2015	June 26, 2015	March 27, 2015
Sales	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Cost of sales	83.7	84.0	84.1	83.7	83.7	83.2	83.5	82.8
Gross profit	16.3	16.0	15.9	16.3	16.3	16.8	16.5	17.2
Operating expenses:								
Research and development	1.6	1.5	1.4	1.9	2.1	1.9	1.5	1.3
Selling, general and administrative	5.9	6.4	7.5	8.7	10.3	9.3	8.2	6.5
Amortization of intangible assets	1.4	1.7	1.9	2.2	2.5	2.1	2.2	2.1
Total operating expenses	8.9	9.6	10.8	12.7	14.9	13.3	11.9	9.8
Operating income	7.3	6.4	5.1	3.5	1.4	3.5	4.6	7.4
Interest expense	0.9	1.1	1.2	1.2	1.4	1.9	1.0	1.0
Other expense (income), net	(0.2)	(0.2)	0.3	(0.5)	0.0	(0.1)	0.0	0.0
Income (loss) from continuing operations before income taxes	6.7	5.5	3.7	2.8	(0.1)	1.6	3.5	6.5
Income tax expense (benefit) from continuing operations	0.6	(1.8)	0.2	0.3	(0.1)	(2.9)	(1.3)	(1.1)
Net income from continuing operations	6.1	7.3	3.4	2.5	0.0	4.5	4.8	7.6
Discontinued Operations:								
Income (loss) from discontinued operations before taxes	0.0	0.0	(2.4)	(2.4)	(10.4)	(1.0)	0.5	(0.4)
Income tax expense (benefit) from discontinued operations	0.0	0.0	0.0	0.0	0.2	(0.4)	0.2	(0.2)
Net income (loss) from discontinued operations	(0.1)	0.0	(2.4)	(2.4)	(10.5)	(0.5)	0.3	(0.3)
Net income (loss)	6.0	7.3	1.0	0.1	(10.5)	4.0	5.1	7.3

**Seasonality**

We have not historically experienced meaningful seasonality with respect to our business or results of operations.

**Liquidity and Capital Resources**

We had cash and restricted cash of \$52.6 million as of December 30, 2016. Our principal uses of liquidity are to fund our working capital needs, satisfy our debt obligations, and purchase new capital equipment. The

increase in cash in 2017 was primarily due to net proceeds from our initial public offering, completed in December 2016 of \$47.1 million and cash flows from operating activities of \$27.7 million, partially offset by net payments of debt of \$25.2 million, cash paid for the acquisition of Ajax of \$17.4 million, net of cash acquired, in April 2016, and capital expenditures of \$4.3 million.

We believe that our cash, the amounts available under our Credit Facilities and our cash flows from operations, together with the net proceeds from our initial public offering, will be sufficient to meet our anticipated cash needs for working capital and capital expenditures for at least the next 12 months.

#### Cash Flow Analysis

The following table sets forth a summary of operating, investing, and financing activities for the periods presented:

(in thousands)	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Cash provided by operating activities	\$ 27,730	\$ 26,690	\$ 8,091
Cash used in investing activities	(21,202)	(1,367)	(3,468)
Cash provided by (used in) financing activities	21,932	(15,508)	(3,231)
Net increase in cash and restricted cash	<u>\$ 28,460</u>	<u>\$ 9,815</u>	<u>\$ 1,392</u>

#### Operating Activities

We generated \$27.7 million of cash from operating activities during 2016 due to net income of \$16.7 million, non-cash charges of \$10.8 million, and a net decrease of \$0.2 million in our net operating assets and liabilities. Non-cash charges primarily related to \$9.5 million in depreciation and amortization, \$3.2 million in share-based compensation, and \$0.5 million in amortization of debt issuance cost, offset in part by \$2.4 million in deferred tax benefit. The decrease in net operating assets and liabilities was primarily due to an increase in accounts payable of \$36.8 million resulting from increased materials purchased to support higher sales volumes. The decrease in our net operating assets and liabilities was partially offset by an increase of \$9.0 million in accounts receivable due to increased sales and timing of customer payments, an increase in inventory of \$23.7 million due to anticipated sales in the first quarter of 2017, and a decrease in customer deposits of \$4.2 million arising from a reduction in customer orders associated with discontinued operations.

We generated \$26.7 million of cash from operating activities during 2015 due to net income of \$5.6 million and non-cash charges of \$10.1 million, and a net increase of \$10.9 million in our net operating assets and liabilities. Non-cash charges primarily related to \$9.9 million in depreciation and amortization, \$1.1 million in share-based compensation, \$3.2 million related to the impairment of intangible and fixed assets and \$0.5 million write-off of debt issuance costs, partially offset by \$4.9 million in deferred tax benefit. The net change in our operating assets and liabilities was primarily the result of a \$9.1 million decrease in inventory due to our initiative to reduce our inventory in the fourth quarter of 2015, a decrease in accounts receivable of \$6.3 million due to the timing of customer payments, partially offset by the decrease, in customer deposit of \$3.5 million and accounts payable of \$1.7 million.

We generated \$8.1 million of cash from operating activities during 2014 due to net income of \$6.2 million and non-cash charges of \$4.8 million, offset in part by a net increase of

\$2.8 million in our net operating assets and liabilities. Non-cash charges primarily related to \$9.6 million in depreciation and amortization and \$1.0 million in share-based compensation offset in part by \$6.2 million in deferred tax benefit. The net change in our operating assets and liabilities was primarily the result of a \$12.1 million increase in inventory due to materials purchases in the fourth quarter of 2014 in anticipation of sales increases in the first quarter of 2015. The increase in net operating assets and liabilities was partially offset by an \$8.7 million increase in accounts payable resulting from increased materials purchases in anticipation of sale increases in the first quarter of 2015 and a \$1.0 million decrease in accounts receivable based on timing of customer payments.

#### *Investing Activities*

Cash used in investing activities during 2016 was \$21.2 million. We used \$17.4 million, net of cash acquired, to acquire Ajax and \$4.3 million for capital expenditures to purchase test fixtures and leasehold improvements primarily related to our plant expansions in the United States and Malaysia, partially offset by proceeds from sales of certain intangible and fixed assets totaling \$0.5 million.

Cash used in investing activities during 2015 was \$1.4 million from capital expenditures for the purchase of property and equipment relating to our manufacturing footprint in our Oregon, Texas and corporate facilities.

Cash used in investing activities during 2014 was \$3.5 million from capital expenditures for the purchase of property and equipment relating to our plant expansion in Scotland, our manufacturing footprint in our Oregon, Texas and Malaysia facilities and ERP hardware upgrade.

#### *Financing Activities*

We generated \$21.9 million of cash from financing activities during 2016, which consisted of net proceeds from our initial public offering of \$47.1 million and \$27.0 million of proceeds from borrowings under our Credit Facilities, partially offset by \$52.2 million used to partially repay amounts owed under our Credit Facilities.

We used \$15.5 million of cash in financing activities during 2015, which consisted of \$69.8 million for the repayment of bank borrowings offset in part by \$79.0 million in proceeds from new bank borrowings. We also paid cash dividends to our shareholders of \$22.1 million and \$2.6 million in fees related to the refinancing of our indebtedness, including the entry into our Credit Facilities.

We used \$3.2 million of cash in financing activities during 2014, which consisted of \$12.2 million for the repayment of bank borrowings offset in part by \$9 million in proceeds from bank borrowings.

#### *Subsequent Events*

On January 10, 2017, we completed the sale of an additional 881,667 of our ordinary shares to the underwriters of our initial public offering at the public offering price of \$9.00 per ordinary share pursuant to the exercise of the over-allotment option granted to the underwriters. We received approximately \$7.4 million in net proceeds from the sale of these ordinary shares.

On February 15, 2017, we sold our investment in Ajax Foresight Global Manufacturing Sdn. Bhd., and associated note receivable, for \$1.7 million.

On February 24, 2017, we sold our investment in CHawk Technology International, Inc. for \$1.7 million, resulting in a gain on sale of \$0.2 million. We received cash of \$0.7 million and a promissory note for \$1.0 million. The promissory note will be repaid in five quarterly installments of \$0.2 million, commencing in the second quarter of 2017.

*Credit Facilities*

On August 11, 2015, we entered into a \$55.0 million term loan facility, or our Term Loan Facility, and a \$20.0 million revolving credit facility, including a letter of credit facility, or our Revolving Credit Facility, and together with our Term Loan Facility, our Credit Facilities, pursuant to a Credit Agreement, dated as of August 11, 2015, or the Credit Agreement. We used borrowings under our Credit Facilities to repay all outstanding indebtedness under our prior term loan facility and revolving credit facility. In April 2016, we increased our Term Loan Facility to \$70 million to fund the Ajax Acquisition.

Our Credit Facilities are guaranteed by certain of our subsidiaries and secured by substantially all of our tangible and intangible assets (subject to certain exceptions and limitations). We may borrow up to \$55,000 under Term Loan Facility. Principal payments are due on a quarterly basis, however, the \$25,000 payment made using proceeds from our initial public offering was treated as a pre-payment, and therefore we are not required to make quarterly principal payments until the maturity date in August 2020, at which point any remaining principal is due.

As of December 30, 2016, the outstanding principal amount of our Term Loan Facility was \$39.8 million, and there were no amounts outstanding under our Revolving Credit Facility. The outstanding amount of our Term Loan Facility reflected in our consolidated financial statements included elsewhere in this prospectus is net of \$1.9 million of debt discount. The material terms of our Credit Facilities are described below and in "Description of Certain Indebtedness."

Borrowings under our Term Loan Facility and our Revolving Credit Facility each bear interest at (1) for base rate loans, the "base rate" (as defined below) plus 3.00% or (2) for eurodollar loans, the "eurodollar rate" (as defined below) plus 4.00%. The base rate equals the highest of (i) the prime rate, (ii) the federal funds effective rate plus 0.50% and (iii) the eurodollar rate plus 1.00%. The eurodollar rate equals LIBOR, provided that with respect to our Term Loan Facility only, LIBOR shall not be less than 1.00%. We must pay a commitment fee equal to 1.50% per annum on the unused portion of our Revolving Credit Facility.

As amended, the Credit Agreement requires us to comply with the following financial covenants:

- a maximum consolidated fixed charge coverage ratio of 1.25:1.00, commencing with the fiscal quarter ending December 31, 2015; and
- a maximum consolidated leverage ratio as set forth below for the applicable quarter set forth below:

<u>Four (4) Fiscal Quarters Ending on or About</u>	<u>Maximum Consolidated Leverage Ratio</u>
December 31, 2016 through September 30, 2017	2.50:1.00
December 31, 2017 through September 30, 2018	2.25:1.00
December 31, 2018 through June 30, 2020	2.00:1.00

**Contractual Obligations and Commitments**

The following summarizes our contractual obligations and commitments as of December 30, 2016:

(In thousands)	Payments Due by Period				
	Total	Less Than 1 Year	1-3 Years	3-5 Years	More Than 5 Years
Operating leases	\$ 8,577	\$ 3,813	\$ 2,666	\$ 1,445	\$ 653
Long-term debt obligations, principal(1)	39,830	—	—	39,830	—
Long-term debt obligations, interest(2)	7,171	1,979	3,958	1,234	—
Purchase obligations(3)	88,326	88,326	—	—	—
Total	<u>\$143,904</u>	<u>\$ 94,118</u>	<u>\$ 6,624</u>	<u>\$42,509</u>	<u>\$ 653</u>

(1) Represents the contractually required principal payments under our Credit Facilities in accordance with the required principal payment schedule.

(2) Represents the contractually required interest payments under our Credit Facilities in accordance with the required interest payment schedule. Interest costs have been estimated based on interest rates in effect for such indebtedness as of December 30, 2016.

(3) Purchase obligations consist primarily of inventory purchase obligations (both cancellable and non-cancellable) with our independent suppliers.

The table above excludes the amount of such uncertain tax positions of \$0.6 million as of December 30, 2016 due to the uncertainty of when the related tax settlements will become due.

**Internal Control Over Financial Reporting**

A company's internal control over financial reporting is a process designed by, or under the supervision of, a company's principal executive and principal financial officers, or persons performing similar functions, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with GAAP. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. In addition, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate. If we cannot provide reliable financial information, our business, operating results and share price could be negatively impacted.

During early 2015, we identified a material weakness. Specifically, we had overstated our liabilities for the goods received but not invoiced account and cost of goods sold relating to certain aged transactions, whereby accounts payable was not reduced on a timely basis. To remediate this weakness, we have initiated compensating controls regarding the reconciliation of these accounts at the end of each period, including the implementation of a new account reconciliation tool and a more detailed account review.

**Critical Accounting Policies and Estimates**

Our consolidated financial statements have been prepared in accordance with U.S. generally accepted accounting principles. The preparation of these consolidated financial statements requires us to make estimates and assumptions that affect the reported amounts of assets, liabilities, sales, expenses, and related disclosures. We base our estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances. We evaluate our estimates and assumptions on an ongoing basis. Actual results

may differ from these estimates. To the extent that there are material differences between these estimates and our actual results, our future financial statements will be affected.

The critical accounting policies requiring estimates, assumptions, and judgments that we believe have the most significant impact on our consolidated financial statements are described below.

#### *Sales Recognition*

Product sales are recognized when there is persuasive evidence of an arrangement, product delivery has occurred, the sales price is fixed or determinable, and collectability is reasonably assured. Our shipping terms are FOB shipping point or FOB destination, or equivalent terms, and accordingly, sales are recognized when legal title has passed to the customer upon shipment or delivery. Title and risk of loss generally pass to the customer at the time of delivery of the product to a common carrier. All amounts billed to a customer related to shipping and handling are classified as sales, while all costs incurred by us for shipping and handling are classified as cost of sales.

Sales are recognized when all of the following criteria are met:

- we enter into a legally binding arrangement with a customer;
- we ship the product;
- we determine the fee is fixed or determinable based on the payment terms associated with the transaction and free of contingencies or significant uncertainties; and
- collectability is reasonably assured. We assess collectability based on credit analysis and payment history. We require collateral, typically cash, in the normal course of business if customers do not meet its criteria established for offering credit.

#### *Inventory Valuation*

We write down the carrying value of our inventory to net realizable value for estimated obsolescence or unmarketable inventory in an amount equal to the difference between the cost of inventory and its estimated realizable value based upon assumptions about future demand and market conditions. We assess the valuation of all inventories, including raw materials, work-in-process, finished goods and spare parts on a periodic basis. Obsolete inventory or inventory in excess of our estimated usage is written down to its estimated market value less costs to sell, if less than its cost. Inherent in our estimates of demand and market value in determining inventory valuation are estimates related to economic trends, future demand for our products and technological obsolescence of our products. If actual demand and market conditions are less favorable than our projections, additional inventory write-downs may be required. If the inventory value is written down to its net realizable value, and subsequently there is an increased demand for the inventory at a higher value, the increased value of the inventory is not realized until the inventory is sold either as a component of a subsystem or as separate inventory. During 2016, 2015, and 2014, we wrote down \$3.9 million, \$3.0 million, and \$1.5 million, respectively, in inventory determined to be obsolete.

#### *Goodwill, Intangibles Assets, and Long-lived Assets*

Goodwill is measured as the excess of the cost of an acquisition over the sum of the amounts assigned to identifiable assets acquired less liabilities assumed. We evaluate our goodwill and indefinite life trade name for impairment on an annual basis, and whenever events

or changes in circumstances indicate that the carrying value may not be fully recoverable. We operate as a single segment and reporting unit. In addition, we evaluate our identifiable intangible assets and other long-lived assets for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Factors we consider important which could trigger an impairment review include significant changes in the manner of our use of the acquired assets or the strategy of our overall business; significant decreases in the market price of the asset; significant negative changes in sales of specific products or services; and significant negative industry or economic trends.

We continually apply judgment when performing these evaluations and continuously monitor for events and circumstances that could negatively impact the key assumptions in determining fair value, including long-term sales growth projections, undiscounted net cash flows, discount rates, recent market valuations from transactions by comparable companies, volatility in our market capitalization and general industry, market and macroeconomic conditions. It is possible that changes in such circumstances, or in the variables associated with the judgments, assumptions and estimates used in assessing fair value, would require us to record a non-cash impairment charge.

At December 30, 2016, the date of our last impairment analysis, the fair value of the reporting unit was substantially in excess of its carrying value.

#### *Share-Based Compensation*

Our share-based compensation was \$3.2 million, \$1.1 million, and \$1.0 million, during 2016, 2015 and 2014, respectively. Compensation expense related to share-based transactions, including employee and non-employee stock options, is measured and recognized in the financial statements based on the fair value of the awards granted. The fair value of each option award is estimated on the grant date using the Black-Scholes option-pricing model and a single option award approach. Share-based compensation expense is recognized, net of forfeitures, over the requisite service periods of the awards, which is generally four years.

Our use of the Black-Scholes option-pricing model requires the input of subjective assumptions, including the fair value of the underlying ordinary shares, the expected term of the option, and the expected volatility of the price of our ordinary shares, risk-free interest rates, and the expected dividend yield of our ordinary shares. The assumptions used in our option-pricing model represent management's best estimates. These estimates involve inherent uncertainties and the application of management's judgment. If factors change and different assumptions are used, our share-based compensation expense could be materially different in the future.

These assumptions and estimates are as follows:

- *Fair Value of Ordinary Shares* . Because there was no public market for our ordinary shares prior to our initial public offering, our board of directors determined the fair value of our ordinary shares by considering a number of objective and subjective factors, including valuations of comparable companies, operating and financial performance, lack of liquidity of our ordinary shares and general and industry-specific economic outlook, among other factors. In addition, we periodically obtained third party valuations to support the determination by our board of directors of the fair value of our ordinary shares.
- *Risk-Free Interest Rate* . We base the risk-free interest rate used in the Black-Scholes option-pricing model based on the U.S. Treasury rates in effect during the corresponding period of grant.

- *Expected Term* . We use the simplified method to estimate the expected term of option awards.
- *Volatility* . We determine the price volatility factor based on the historical volatilities of our publicly traded peer group as we did not have a trading history for our ordinary shares prior to our initial public offering. Industry peers consist of several public companies in the industries that are similar to us in size, stage of life cycle, and financial leverage. We intend to continue to consistently apply this process using the same or similar public companies until a sufficient amount of historical information regarding the volatility of the price of our own ordinary shares share price becomes available, or unless circumstances change such that the identified companies are no longer similar to us, in which case, more suitable companies whose share prices are publicly available would be utilized in the calculation.
- *Dividend Yield* . The expected dividend assumption is based on our current expectations about our anticipated dividend policy. Consequently, we used an expected dividend yield of zero.

Since our initial public offering, our board of directors determines the fair value of each underlying ordinary share based on the closing price of our ordinary shares as reported on the date of grant.

#### *Income Taxes*

The determination of our tax provision is highly dependent upon the geographic composition of worldwide earnings and tax regulations governing each region and is subject to judgments and estimates. Management carefully monitors the changes in many factors and adjusts the effective tax rate as required.

The calculation of tax liabilities involves significant judgment in estimating the impact of uncertainties in the application of complex tax laws. Resolution of these uncertainties in a manner inconsistent with our expectations could have a material impact on our business, results of operations and financial position. We believe we have adequately reserved for our uncertain tax positions, however, no assurance can be given that the final tax outcome of these matters will not be different than what we expect. We adjust these reserves in light of changing facts and circumstances, such as the closing of a tax audit or the refinement of an estimate. To the extent that the final tax outcome for these matters is different than the amounts recorded, such differences will impact the provision for income taxes in the period in which such determination is made. The provision for income taxes includes the impact of reserve positions and changes to reserves that are considered appropriate, as well as the related net interest and penalties.

We file income tax returns in the U.S. federal jurisdiction, various states and various foreign jurisdictions. We are no longer subject to U.S. federal examination for tax years ending before 2013, to state examinations before 2012 or to foreign examinations before 2011. However, to the extent allowed by law, the tax authorities may have the right to examine prior periods where net operating losses or tax credits were generated and carried forward, and make adjustments up to the amount of the net operating losses or credit carryforward. We are currently enjoying a zero rate tax holiday in Singapore that is scheduled to expire at the end of 2021. This tax rate is subject to achieving certain commitments agreed to with the Economic Development Board of Singapore including investment and employment thresholds. Our tax rate could be significantly affected if we are unable to meet these commitments or if we are unable to favorably renegotiate the commitment requirements. As of December 30, 2016, the Company was in

compliance with the commitment requirements, with the exception of the headcount requirement for which the Singapore taxing authority has granted a waiver. The Company intends to be in compliance with the remaining commitment requirements by March 31, 2017.

### **Accounting Pronouncements Recently Adopted**

In June 2014, the FASB issued Accounting Standards Update No. 2014-12, or ASU 2014-12, *Compensation—Stock Compensation (Topic 718): Accounting for Share-Based Payments When the Terms of an Award Provide That a Performance Target Could Be Achieved after the Requisite Service Period*. The update addresses accounting for share-based payments when the terms of an award provide that a performance target could be achieved after the requisite service period. ASU 2014-12 indicates that, in such situations, the performance target should be treated as a performance condition and, accordingly, the performance target should not be reflected in estimating the grant-date fair value of the award. Instead, compensation cost should be recognized in the period in which it becomes probable that the performance target will be achieved. ASU 2014-12 is effective for annual periods and interim periods beginning after December 15, 2015. We adopted ASU 2014-12 on December 26, 2015, which did not have an impact on previously reported amounts or significant impact on its ongoing financial reporting.

In April 2015, the FASB issued ASU No. 2015-03, or ASU 2015-03, *Interest—Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs*. The update requires debt issuance costs related to a recognized debt liability be presented in the balance sheet as a direct deduction from the carrying amount of the related debt liability instead of being presented as an asset. Debt disclosures will include the face amount of the debt liability and the effective interest rate. The update requires retrospective application and represents a change in accounting principle. The update is effective for fiscal years beginning after December 15, 2015. We adopted ASU 2015-03 on December 26, 2015 and retroactively recorded debt issuance costs as a reduction to long-term debt for all periods presented.

In July 2015, the FASB issued ASU No. 2015-11, or ASU 2015-11, *Inventory (Topic 330): Simplifying the Measurement of Inventory*, which for entities that do not measure inventory using the last-in, first-out (LIFO) or retail inventory method, changes the measurement principle for inventory from the lower of cost or market to lower of cost and net realizable value. The ASU also eliminates the requirement for these entities to consider replacement cost or net realizable value less an approximately normal profit margin when measuring inventory. ASU 2015-11 is effective for fiscal years beginning after December 15, 2016, with early adoption permitted as of the beginning of an interim or annual period. We adopted ASU 2015-11 on December 26, 2015, which did not have an impact on previously reported amounts or significant impact on our ongoing financial reporting.

In September 2015, the FASB issued ASU 2015-16, or ASU 2015-16, *Business Combinations (Topic 805): Simplifying the Accounting for Measurement-Period Adjustments*. Currently, an acquiring entity is required to retrospectively adjust the balance sheet amounts of the acquiree recognized at the acquisition date with a corresponding adjustment to goodwill as a result of changes made to the balance sheet amounts of the acquiree. The measurement period is the period after the acquisition date during which the acquirer may adjust the balance sheet amounts recognized for a business combination (generally up to one year from the date of acquisition). The changes eliminate the requirement to make such retrospective adjustments, and, instead require the acquiring entity to record these adjustments in the reporting period they are determined. The new standard is effective for periods beginning after December 15, 2015. We adopted ASU 2015-16 on December 26, 2015 on a prospective basis for any changes to provisional amounts after the acquisition date. In the third quarter of 2016, we recognized

certain measurement period adjustments as disclosed in Note 2 to “Prospectus Summary—Summary Consolidated Financial Data—Ajax-United Patterns & Molds, Inc. Acquisition” included elsewhere in this prospectus.

In November 2015, the FASB issued ASU No. 2015-17, or ASU 2015-17, *Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes*, which requires entities with a classified balance sheet to present all deferred tax assets and liabilities as noncurrent. ASU 2015-17 is effective for fiscal years beginning after December 15, 2017, with early adoption permitted. We adopted ASU 2015-17 on a retrospective basis in the fourth quarter of 2015. Accordingly, we reclassified current deferred taxes to noncurrent on our consolidated balance sheets.

In March 2016, the FASB issued ASU No. 2016-09, or ASU 2016-09, *Compensation—Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting*. This amendment simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities and classification on the statement of cash flows. This guidance is effective for interim and annual reporting periods beginning after December 15, 2016. We adopted ASU 2016-09 in 2016, which did not have an impact on previously reported amounts or significant impact on our ongoing financial reporting.

### **Accounting Pronouncements Recently Issued**

In May 2014, the FASB issued ASU 2014-09, or ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)*, which requires an entity to recognize the amount of revenue to which it expects to be entitled for the transfer of promised goods or services to customers. ASU 2014-09 outlines a single comprehensive model for entities to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance. The ASU is effective for reporting periods beginning after December 15, 2018 for the Company, with early adoption permitted for reporting periods beginning after December 15, 2016. We are currently evaluating the impact of this accounting standard.

In February 2016, the FASB issued ASU No. 2016-02, *Leases (Topic 842)*. This update establishes a comprehensive lease standard for all industries. The new standard requires lessees to recognize a right of use asset and a lease liability for virtually all leases, other than leases that meet the definition of short term leases. The standard is effective for interim and annual reporting periods beginning after December 15, 2018 (December 31, 2019 for non-public entities). We are currently evaluating the impact of this accounting standard.

### **Off-Balance Sheet Arrangements**

As of December 30, 2016, we did not have any relationships with unconsolidated entities or financial partnerships, such as structured finance or special purpose entities, which were established for the purpose of facilitating off-balance sheet arrangements or other purposes.

### **Quantitative and Qualitative Disclosures about Market Risk**

We are exposed to financial market risks, including changes in currency exchange rates and interest rates.

#### *Foreign Currency Exchange Risk*

Currently, substantially all of our sales and arrangements with third-party suppliers provide for pricing and payment in U.S. dollars and, therefore, are not subject to material exchange rate

fluctuations. As a result, we do not expect foreign currency exchange rate fluctuations to have a material effect on our results of operations. However, increases in the value of the U.S. dollar relative to other currencies would make our products more expensive relative to competing products priced in such other currencies, which could negatively impact our ability to compete. Conversely, decreases in the value of the U.S. dollar relative to other currencies could result in our foreign suppliers raising their prices in order to continue doing business with us.

While not currently significant, we do have certain operating expenses that are denominated in currencies of the countries in which our operations are located, and may be subject to fluctuations due to foreign currency exchange rates, particularly the Singapore dollar, Malaysian Ringgit, British Pound and Euro. Fluctuations in foreign currency exchange rates may cause us to recognize transaction gains and losses in our statement of operations. To date, foreign currency transaction gains and losses have not been material to our financial statements, and we have not engaged in any foreign currency hedging transactions.

#### *Interest Rate Risk*

We had total outstanding debt of \$39.8 million as of December 30, 2016, no portion of which was due within 12 months. The outstanding amount of debt reflected in our consolidated financial statements included elsewhere in this prospectus is net of \$1.9 million of debt issuance costs as of December 30, 2016.

We do not enter into investments for trading or speculative purposes and have not used any derivative financial instruments to manage our interest rate risk exposure. We have not been exposed to, nor do we anticipate being exposed to, material risks due to changes in interest rates. The interest rate on a significant majority of our outstanding debt is variable, which also reduces our exposure to these interest rate risks. A hypothetical 10% change in interest rates during any of the periods presented would not have had a material impact on our financial statements.

## BUSINESS

### Company Overview

We are a leader in the design, engineering and manufacturing of critical fluid delivery subsystems for semiconductor capital equipment. Our primary offerings include gas and chemical delivery subsystems, collectively known as fluid delivery subsystems, which are key elements of the process tools used in the manufacturing of semiconductor devices. Our gas delivery subsystems deliver, monitor and control precise quantities of the specialized gases used in semiconductor manufacturing processes such as etch and deposition. Our chemical delivery subsystems precisely blend and dispense the reactive liquid chemistries used in semiconductor manufacturing processes such as chemical-mechanical planarization, or CMP, electroplating and cleaning. We also manufacture certain components for internal use in fluid delivery systems and for direct sales to our customers. This vertically integrated portion of our business is primarily focused on metal and plastic parts that are used in gas and chemical systems, respectively.

Fluid delivery subsystems ensure accurate measurement and uniform delivery of specialty gases and chemicals at critical steps in the semiconductor manufacturing processes. Any malfunction or material degradation in fluid delivery reduces yields and increases the likelihood of manufacturing defects in these processes. Historically, semiconductor original equipment manufacturers, or OEMs, internally designed and manufactured the fluid delivery subsystems used in their process tools. Currently, most OEMs outsource the design, engineering and manufacturing of their gas delivery subsystems to a few specialized suppliers, including us. Additionally, many OEMs are also increasingly outsourcing the design, engineering and manufacturing of their chemical delivery subsystems due to the increased fluid expertise required to manufacture these subsystems. Outsourcing these subsystems has allowed OEMs to leverage the suppliers' highly specialized engineering, design and production skills while focusing their internal resources on their own value-added processes. We believe that this outsourcing trend has enabled OEMs to reduce their fixed costs and development time, as well as provided significant growth opportunities for specialized subsystems suppliers like us.

Our goal is to be the premier supplier of outsourced fluid delivery subsystems to OEMs engaged in manufacturing capital equipment to produce semiconductors and to leverage our technology into new markets. To achieve this goal, we engage with our customers early in their design and development processes and utilize our deep engineering resources and operating expertise to jointly create innovative and advanced solutions that meet the current and future needs of our customers. These collaborations frequently involve our engineers working at our customers' sites and serving as an extension of our customers' product design teams. We employ this approach with two of the largest manufacturers of semiconductor capital equipment in the world. We believe this approach enables us to design subsystems that meet the precise specifications our customers demand, allows us to often be the sole supplier of these subsystems during the initial production ramp and positions us to be the preferred supplier for the full five to ten-year lifespan of the process tool.

The broad technical expertise of our engineering team, coupled with our early customer engagement approach, enables us to offer innovative and reliable solutions to complex fluid delivery challenges. With two decades of experience developing complex fluid delivery subsystems and meeting the constantly changing production requirements of leading semiconductor OEMs, we have developed expertise in fluid delivery that we offer to our OEM customers. In addition, our capital efficient model and the integration of our business systems with those of our customers provides us the flexibility to fulfill increased demand and meet

changing customer requirements with minimum additional capital outlay. With an aim to superior customer service, we have a global footprint with many facilities strategically located in close proximity to our customers. We have established long standing relationships with top tier OEM customers, including Lam Research and Applied Materials, which were our two largest customers by sales in 2016.

We grew our sales from by 40% to \$405.7 million in 2016 from \$290.6 million in 2015. We generated net income from continuing operations of \$20.8 million in 2016 and \$12.8 in 2015. We generated adjusted net income from continuing operations of \$31.6 million in 2016 and \$20.2 million in 2015. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Non-GAAP Results” for a discussion of adjusted net income from continuing operations, an accompanying presentation of the most directly comparable financial measure calculated in accordance with generally accepted accounting principles in the United States, net income from continuing operations, and a reconciliation of the differences between adjusted net income from continuing operations and net income from continuing operations.

## **Our Industry**

We design, engineer and manufacture critical fluid delivery subsystems for the semiconductor capital equipment.

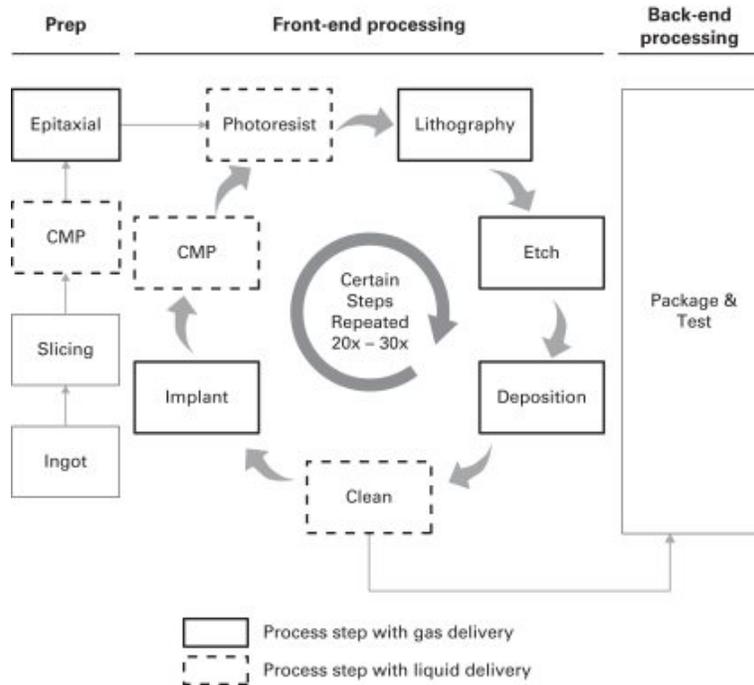
### *The Semiconductor Device Industry is Large and Growing*

Semiconductors are essential building blocks in all electronic systems. In recent years, semiconductor growth has been driven largely by increasing global demand for mobile devices and computer network systems. As consumers increasingly become accustomed to end products with higher functionality, better power management and smaller form factors, the demand for advanced semiconductor devices is expected to grow. Gartner estimates the semiconductor device market is expected to grow to \$350.1 billion in 2017 from \$315.0 billion in 2013.

### *Semiconductor Manufacturing Process is Complex and Constantly Evolving*

Semiconductor manufacturing is complex and capital-intensive, requiring hundreds of process steps utilizing specialized manufacturing equipment. Technological advancements in semiconductor manufacturing have traditionally led to a continual increase in the number of transistors in a given area of silicon, enabling smaller and more feature-rich devices. As a result, semiconductor device manufacturers must continuously refine their manufacturing processes and invest in next-generation manufacturing equipment that can produce semiconductors with a smaller chip size or an increasing number of features, both of which require more complexity. Gartner estimates that the global spend on wafer fabrication equipment will grow to \$35.7 billion in 2017 from \$27.3 billion in 2013.

The diagram below illustrates the various semiconductor manufacturing process steps and highlights those that require fluid delivery functionality:



Semiconductor manufacturing starts with the wafer preparation process steps, including slicing and polishing the silicon wafers and can include growing an epitaxial layer on the top of the wafer. The next series of steps involve front end processing where layers of circuitry are built into the wafer, including insulating, conducting and semiconducting materials that are precisely placed on the wafer and layered on top of one another in a repetitive process. The front end process steps include deposition, CMP and cleaning, application of photoresist, optical lithography, etch, strip and wet clean and ion implantation. Many of these front end process steps, particularly etch, deposition and CMP need to be repeated more than 20 times to place all the layers on an integrated circuit. The number of front-end steps is expected to increase further as manufacturers adopt various complex next-generation manufacturing techniques. Fluid delivery subsystems play a critical role in the majority of semiconductor manufacturing steps, particularly in front end processing. We believe that the fluid delivery market will benefit from the increase of front-end manufacturing step repetitions which is required as semiconductors increase in complexity.

#### *Changing Semiconductor Manufacturing Processes is Increasing the Need for Fluid Delivery Systems*

A number of innovations in the design and manufacturing of semiconductors are being adopted in order to meet the continuing miniaturization and functionality demands, including:

- **Multiple patterning** : Multiple patterning refers to using multiple passes through the lithography, etch and deposition steps in order to manufacture semiconductors at process nodes below 20 nanometers using current lithography equipment.

- *Tri-gate, or FinFET, transistors* : FinFET transistors refer to tri-gate transistors which solve the challenges of current leakage, heat dissipation and lower performance in shrinking two-dimensional transistors, but are more complex to manufacture than two-dimensional planar transistors.
- *Three-dimensional, or 3D, semiconductors* : 3D semiconductors refer to integrated circuits that build features in multiple vertical layers, rather than in a single layer. 3D semiconductor processes are common in NAND flash memory and other semiconductor devices.
- *Advanced packaging*: Advanced packaging refers to the increasing use of traditional wafer manufacturing techniques to the packaging of ever smaller semiconductor components into a form that can be placed onto a circuit board.

Each of these innovations increases the number of process steps that a wafer must pass through during the manufacturing process, in particular, the number of etch, deposition and CMP steps. For example, according to Gartner, changes in the market for process requirements will drive an average annual growth in etch spending of 15% and chemical vapor deposition, or CVD, spending of 15% from 2013 to 2017. This growth benefits us directly as the majority of our gas delivery subsystems are used in etch and CVD processes. Also according to Gartner, spending on CMP will grow at an average annual rate of 13% over the same period. This is the primary step where chemical delivery systems are used.

#### *Semiconductor Capital Equipment Industry is Concentrated*

The semiconductor capital equipment industry is dominated by a few large OEMs which focus on developing equipment specialized for many complex manufacturing process steps. As semiconductor manufacturing has become more technically advanced and capital intensive in recent years, the semiconductor equipment industry has experienced significant consolidation in order for the remaining OEMs to leverage economies of scale for delivering larger and more complex tools. As a result, most major semiconductor equipment markets are now typically supplied by a limited number of major global suppliers. According to Gartner, the top five semiconductor equipment OEMs by sales in 2015 represented 67% of the total market for wafer fabrication equipment. These few large equipment companies, including our two largest customers, focus on servicing the large foundries and integrated device manufacturers with a broad array of products and service capabilities.

#### *Semiconductor Capital Equipment OEMs Outsource Critical Subsystems including Fluid Delivery Subsystems*

Historically, semiconductor equipment OEMs designed and manufactured their process equipment entirely in-house, building their own subsystems and in some cases their own components for use in their process equipment. Today, these OEMs are increasingly outsourcing the development, design, prototyping, engineering, manufacturing, assembly and testing of various critical subsystems to specialized independent suppliers. We believe that subsystem outsourcing has allowed OEMs to benefit from the highly specialized engineering, design and manufacturing skills of the subsystem suppliers while focusing internal resources on their own most critical value-added subsystems and processes. We likewise believe that outsourcing these subsystems enables OEMs to reduce fixed costs, achieve greater operational efficiencies and shorten development timeframes.

This outsourcing trend has been particularly applicable to the fluid delivery subsystem market. Over the past decade, as gas delivery subsystems have become more complex most

OEMs have increasingly outsourced the design, engineering and manufacturing of these gas delivery subsystems to us and other third party suppliers as these subsystems have become increasingly complex to allow for constantly changing gas recipes. OEMs have begun to outsource chemical delivery subsystems, creating an additional opportunity for suppliers with fluid delivery capability.

## **Our Competitive Strengths**

As a leader in the fluid delivery industry, we believe that our key competitive strengths include the following:

### *Deep Fluids Engineering Expertise*

We believe that our engineering team, comprised of chemical engineers, mechanical engineers and software and systems engineers, has positioned us to expand the scope of our solutions, provide innovative subsystems and strengthen our incumbent position at our OEM customers. Many of our engineers are industry veterans and have spent a significant portion of their careers at our customers, bringing first-hand expertise and a heightened understanding of our customers' needs. Our engineering team acts as an extension of our customers' product development teams, providing our customers with technical expertise that is outside of their core competencies.

### *Early Engagement with Customers on Product Development*

We seek to engage with our customers and potential customers very early in their process for new product development. We believe this approach enables us to collaborate on product design, qualification, manufacturing and testing in order to provide a comprehensive, customized solution. Through early engagement during the complex design stages, our engineering team gains early insight into our customers' technology roadmaps which enables us to pioneer innovative and advanced solutions. In many cases our early engagement with our customers enables us to be the sole source supplier when the product is initially introduced.

### *Long History and Strong Relationships with Top Tier Customers*

We have established deep relationships with top tier OEMs such as Lam Research and Applied Materials, which were our two largest customers by sales in 2016. Our customers are global leaders by sales and are considered consolidators in the increasingly concentrated semiconductor capital equipment industry. Our existing relationships with our customers have enabled us to effectively compete for new fluid delivery subsystems for our customers' next generation products in development. We leverage our deep rooted existing customer relationships with these market leaders to penetrate new business opportunities created through industry consolidation. Our close collaboration with them has contributed to our established market position and several key supplier awards

### *Operational Excellence with Scale to Support the Largest Customers*

Over our 17 year history of designing and building gas delivery systems, we have developed deep capabilities in operations. We have strategically located our manufacturing facilities near our customers' locations in order to provide fast and efficient responses to new product introductions, and accommodate configuration or design changes late in the manufacturing process. We have also built significant capacity in Singapore to support high volume products. In addition to providing high quality and reliable fluid delivery subsystems,

one of our principal focuses is delivering short lead times to allow our customers the maximum flexibility in their production processes. We have accomplished this by investing in manufacturing systems and developing an efficient supply chain. Our focus on operational efficiency and flexibility allows us to respond quickly to customer requests by frequently shipping products to customers less than three weeks after receiving the order.

#### *Capital Efficient and Scalable Business Model*

In general, our business is not capital intensive and we are able to grow sales with a low investment in property, plant and equipment and low levels of working capital. In 2016 and 2015, our total capital expenditures were \$4.3 million and \$1.4 million, respectively. In particular, our close supplier relationships also enable us to scale production quickly without maintaining significant inventory on hand. The semiconductor capital equipment market has historically been cyclical. We have structured our business to minimize fixed manufacturing overhead and operating expenses to enable us to grow net income at a higher rate than sales during periods of growth. For example, from 2014 to 2016, sales grew at a compound annual growth rate, or CAGR, of 27.6% while adjusted net income from continuing operations grew at a CAGR of 64.4%. Conversely, our low fixed cost approach allows us to minimize the impact of cyclical downturns on our net income, but results in a smaller increase in gross margin as a percentage of sales in times of increased demand.

#### **Our Growth Strategy**

Our objective is to enhance our position as a leader in providing fluid delivery solutions, including subsystems and tool refurbishment, to our customers by leveraging our core strengths. The key elements of our growth strategy are:

##### *Grow Our Market Share within Existing Customer Base*

We intend to grow our position with existing customers by continuing to leverage our specialized engineering talent and early collaboration approach with OEMs to foster long-term relationships. Each of our customers produces many different process tools for various process steps. At each customer, we are the outsourced supplier of fluid delivery subsystems for a subset of their entire process tool offerings. We are constantly looking to expand our relationships and to capture additional share at our existing customers. We believe that our early collaborative approach with customers positions us to deliver innovative and dynamic solutions, offer timely deployment and meet competitive cost targets, further enhancing our brand reputation. For example, due to previous successful engineering projects with a particular OEM, we were selected as the development partner on key next generation platforms. Success on these platforms, along with other operational successes, grew our sales from \$1.1 million in 2011 to \$36.2 million in 2016. Through our recent purchase of a plastic machining & fabrication company, we were able to enter the market for chemical delivery subsystems for CMP process tools where we had only limited engagement in the past. Using this and our existing engineering capability, we were awarded the design and manufacturing of the chemical delivery module for one of our two largest customers who is a market leader in this space.

##### *Grow Our Total Available Market at Existing Customers with Expanded Product Offerings*

We continue to work with our existing core customers on additional opportunities, including chemical delivery, one of our important potential growth areas. We believe that wet processes, such as CMP, clean and electro chemical deposition, or ECD, that require precise chemical delivery are currently an underpenetrated market opportunity for us. By leveraging our

existing customer relationships and strong reputation in fluid mechanics, we intend to increase our chemical delivery module market share as well as to introduce additional related products. In April 2016, we acquired Ajax-United Patterns & Molds, Inc., or Ajax, and its subsidiaries, or the Ajax Acquisition, to add chemical delivery subsystem capabilities with our existing customers. The Ajax Acquisition allows us to manufacture and assemble the complex plastic and metal products required by the medical, biomedical, semiconductor and data communication equipment industries. In addition, we believe that as a larger number of leading edge tools are deployed and installed, our market opportunity for refurbishment of legacy systems grows.

*Expand Our Total Customer Base Within Fluid Delivery Market*

We are actively in discussions with new customers that are considering outsourcing their gas and chemical delivery needs. As an example, we were recently selected as the manufacturing partner for a provider of etch process equipment that was previously not a customer of ours.

*Expand Into Emerging Opportunities*

We plan to leverage our existing manufacturing platform and engineering expertise to develop or acquire new products and solutions for attractive, high growth applications within new markets such as medical, research, oil and gas and energy. We believe these efforts will diversify our sales exposure while capitalizing on our current capabilities.

*Continue to Improve Our Manufacturing Process Efficiency*

We continually strive to improve our processes to reduce our manufacturing process cycle time, improve our ability to respond to last minute design or configuration changes, reduce our manufacturing costs and reduce our inventory requirements in order to improve profitability and make our product offerings more attractive to new and existing customers.

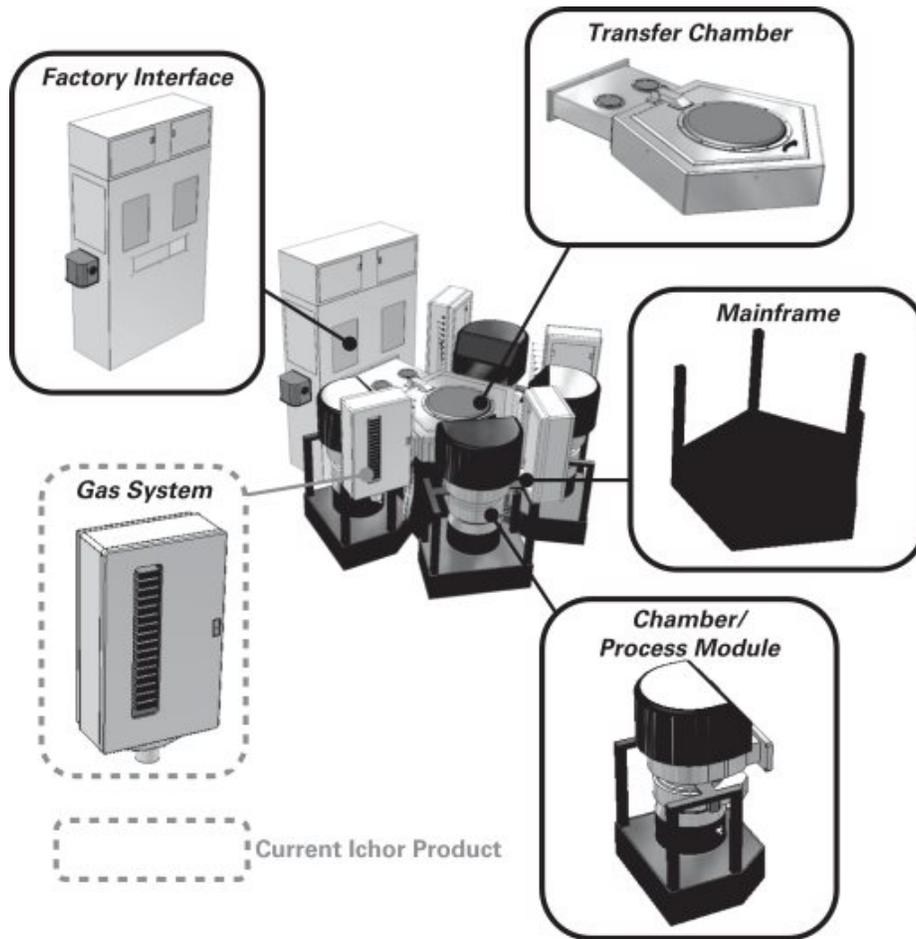
**Our Products and Services**

We are a leader in the design, engineering and manufacturing of critical fluid delivery subsystems. Our product and service offerings are classified in the following categories:

*Gas Delivery Subsystems*

Gas delivery is among the most technologically complex functions in semiconductor capital equipment and is used to deliver, monitor and control precise quantities of the vapors and gases critical to the manufacturing process. Our gas delivery systems consist of a number of gas lines, each controlled by a series of mass flow controllers, regulators, pressure transducers and valves, and an integrated electronic control system. Our gas delivery subsystems are primarily used in equipment for “dry” manufacturing processes, such as etch, chemical vapor deposition, physical vapor deposition, epitaxy and strip.

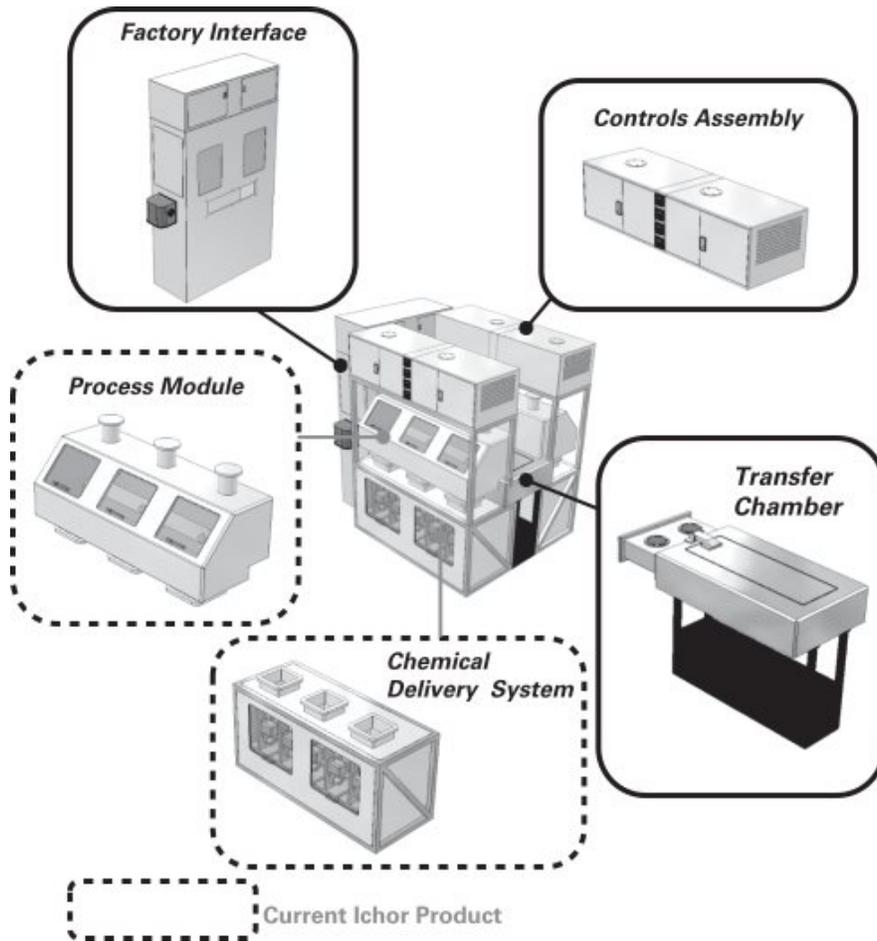
The image below shows a typical dry-process front end semiconductor tool, with the gas delivery subsystem highlighted (generally each tool has multiple gas delivery systems):



#### *Chemical Delivery Subsystems*

Our chemical delivery subsystems are used to precisely blend and dispense reactive chemistries and colloidal slurries critical to the specific “wet” front-end process, such as wet clean, ECD and CMP. In addition to the chemical delivery subsystem, we also develop the process modules that apply the various chemicals directly to the wafer in a process and application-unique manner to create the desired chemical reaction.

The image below shows a typical wet-process front end semiconductor tool, with a chemical delivery subsystem and corresponding application process module highlighted:



## History

We were originally incorporated as Celerity, Inc. in 1999. Our business of designing and manufacturing critical systems for semiconductor capital equipment manufacturers operated as a stand-alone business until 2009 when Celerity sold the business to a private equity fund. Francisco Partners acquired the business in December 2011 and formed Ichor Holdings, Ltd., an exempted company incorporated in the Cayman Islands, in March 2012 to serve as the parent company as part of a restructuring to accommodate the expansion of our business in Singapore and Malaysia. In April 2012, we acquired Semi Scenic UK Limited to provide refurbishment services for legacy tools. In April 2016, we purchased Ajax for approximately \$17.6 million to add chemical delivery subsystem capabilities with existing customers. We intend to continue to evaluate opportunistic acquisitions to supplement our organic growth.

## **Customers, Sales and Marketing**

We market and sell our products directly to equipment OEMs in the semiconductor equipment market. These industries are highly concentrated and, as a result, we are dependent upon a small number of key customers. For 2016, our two largest customers were Lam Research and Applied Materials, which accounted for 51% and 46% of sales, respectively. We also serve customers in the tool refurbishment market, which we believe is a growing market due to the extended lifetime of current manufacturing equipment. We do not have long-term contracts that require customers to place orders with us in fixed or minimum volumes, and we generally operate on purchase order basis with customers.

Our sales and marketing efforts focus on fostering close business relationships with our customers. As a result, we locate many of our account managers near the customer they support. Our sales process involves close collaboration between our account managers and engineering and operations teams. Account managers and engineers work together with customers and in many cases provide on-site support, including attending customers' internal meetings related to production and engineering design. Each customer project is supported by our account managers and customer support team, who ensure we are aligned with all of the customer's quality, cost and delivery expectations.

## **Operations, Manufacturing and Supply Chain Management**

We have developed a highly flexible manufacturing model with cost-effective locations situated nearby the manufacturing facilities of our largest customers.

### *Operations*

Our product cycle engagements begin by working closely with our customers to outline the solution specifications before design and prototyping even begin. Our design and manufacturing process is highly flexible, enabling our customers to make alterations to their final requirements throughout the design, engineering and manufacturing process. This flexibility results in significantly decreased design-to-delivery cycle times for our customers. For instance, it can take as little as 20 to 30 days for us to manufacture a gas delivery system with fully evaluated performance metrics after receiving an order.

### *Manufacturing*

We are ISO 9001 qualified at each of our manufacturing locations, and our manufactured subsystems and modules adhere to strict design tolerances and specifications. We operate Class 100 and Class 10,000 clean room facilities for customer-specified testing, assembly and integration of high-purity gas and chemical delivery systems at our locations in Singapore; Tualatin, Oregon; and Austin, Texas. We also operate a facility in Malaysia for components used in our gas delivery subsystems and a facility in Union City, California for critical components used in our chemical delivery subsystems. Our facilities are located in close proximity to our largest customers to allow us to collaborate with them on a regular basis and to enable us to deliver our products on a just-in-time basis, regardless of order size or the degree of changes in the applicable configuration or specifications.

We qualify and test key components that are integrated into our subsystems, and test our fluid delivery subsystems during the design process and again prior to shipping. Our quality management system allows us to access real-time corrective action reports, non-conformance reports, customer complaints and controlled documentation. In addition, our senior management conducts quarterly reviews of our quality control system to evaluate effectiveness. Our customers also complete quarterly surveys which allow us to measure satisfaction.

### *Supply Chain Management*

We use a wide range of components and materials in the production of our gas and chemical delivery systems, including filters, mass flow controllers, regulators, pressure transducers and valves. We obtain components and materials from a large number of sources, including single source and sole source suppliers. We use consignment material and just-in-time stocking programs to better manage our component inventories and better respond to changing customer requirements. These approaches enable us to significantly reduce our inventory levels and maintain flexibility in responding to changes in product demand.

In addition, a key part of our strategy is to identify multiple suppliers with a strong global reach that are located within close proximity to our manufacturing locations. We have centralized our procurement operations into our Austin, Texas location in order to streamline our materials spending, leverage localized purchasing support within our manufacturing locations and enable the use of regional supply chains.

### **Technology Development and Engineering**

We have a long history of engineering innovation and development. Over time, we have transitioned from being simply an integration engineering and components company into a gas and chemical delivery subsystem leader with complete system engineering and integration expertise. Our industry continues to experience rapid technological change, requiring us to continuously invest in technology and product development and to regularly introduce new products and features that meet our customers' evolving requirements.

We have built a team of gas delivery experts, many of whom have previously worked for certain of our customers. As of December 30, 2016, our engineering team consisted of 40 engineers and designers with mechanical, electrical, chemical, systems and software expertise. Our engineers are closely connected with our customers and typically work at our customers' sites and operate as an extension of our customers' design team. We engineer within our customers' processes, design vaults, drawing standards and part numbering systems. These development efforts are designed to meet specific customer requirements in the areas of subsystem design, materials, component selection and functionality. Over 80% of our sales are generated from projects during which our engineers cooperated with our customer early in the design cycle. Through this early collaborative process, we become an integral part of our customers' design and development processes, and we are able to quickly anticipate and respond to our customers' changing requirements.

Our engineering team also works directly with our suppliers to help them identify new component technologies and make necessary changes in, and enhancements to, the components that we integrate into our products. Our analytical and testing capabilities enable us to evaluate multiple supplier component technologies and provide customers with a wide range of appropriate component and design choices for their gas and chemical delivery systems and other critical subsystems. Our analytical and testing capabilities also help us anticipate technological changes and the requirements in component features for next-generation gas delivery systems and other critical subsystems.

### **Competition**

The markets for our products are very competitive. When we compete for new business, we face competition from other suppliers of gas or chemical delivery subsystems, as well as the internal manufacturing groups of OEMs. While many OEMs have outsourced the design and manufacture of their gas and chemical delivery systems, we would face additional competition if in the future these OEMs elected to develop these systems internally.

The gas delivery subsystem market is highly concentrated and we face competition primarily from Ultra Clean Technology, with limited competition from regional or specialized suppliers. The chemical delivery subsystem industry is fragmented and we face competition from numerous suppliers. In addition, the market for tool refurbishment is fragmented and we compete with many regional competitors. The primary competitive factors we emphasize include:

- early engagement with customers;
- size and experience of engineering staff;
- design-to-delivery cycle times;
- flexible manufacturing capabilities; and
- customer relationships.

We expect our competitors to continue to improve the performance of their current products and to introduce new products or new technologies that could adversely affect sales of our current and future products. In addition, the limited number of potential customers in our industry further intensifies competition. We anticipate that increased competitive pressures will cause intensified price-based competition and we may have to reduce the prices of our products. In addition, we expect to face new competitors as we enter new markets.

### **Intellectual Property**

Our success depends, in part, upon our ability to maintain and protect our technology and products and to conduct our business without infringing the proprietary rights of others. We continue to invest in securing intellectual property protection for our technology and products and protect our technology by, among other things, filing patent applications. We also rely on a combination of trade secrets and confidentiality provisions, and to a much lesser extent, copyrights and trademarks, to protect our proprietary rights. We have historically focused our patent protection efforts in the United States and, as of December 30, 2016, we held 9 U.S. patents. We do not have any active foreign patents but may decide in the future to seek patents in foreign jurisdictions if we believe such patents would benefit our business. While we consider our patents to be valuable assets, we do not believe the success of our business or our overall operations are dependent upon any single patent or group of related patents. In addition, we do not believe that the loss or expiration of any single patent or group of related patents would materially affect our business.

Intellectual property that we develop on behalf of our customers is generally owned exclusively by those customers. In addition, we have agreed to indemnify certain of our customers against claims of infringement of the intellectual property rights of others with respect to our products. Historically, we have not paid any claims under these indemnification obligations, and we do not have any pending indemnification claims against us.

### **Employees and Labor Relations**

As of December 30, 2016, we had approximately 587 full time employees and approximately 200 contract or temporary workers, which allows flexibility as business conditions and geographic demand change. Of our total employees, approximately 40 are engineers, 34 are engaged in sales and marketing, 659 are engaged in manufacturing, and 58 perform executive and administrative functions. None of our employees are unionized, but in various countries, local law requires our participation in works councils. We have not experienced any material work stoppages at any of our facilities. We consider our relationship with our employees to be good.

## Properties

Our principal executive office is located at 3185 Laurelview Ct., Fremont, California 94538. As of December 30, 2016, our principal manufacturing and administrative facilities, including our executive offices, comprises approximately 351,355 square feet. All of our facilities are leased, which allows for flexibility as business conditions and geographic demand change. The table below sets forth the approximate square footage of each of our facilities.

<u>Location</u>	<u>Approximate Square Footage</u>
Kingston, New York(1)	71,751
Tualatin, Oregon	52,546
Singapore	76,898
Austin, Texas	25,720
Selangor, Malaysia Building 1(2)	6,212
Selangor, Malaysia Buildings 2 and 3(3)	4,576
Selangor, Malaysia Building 4	12,546
Fremont, California	10,647
East Blantyre, Scotland	37,651
Union City, California	52,808

(1) Operations ceased in Kingston as of May 27, 2016. The facility is leased through February 28, 2018.

(2) Lease expires June 30, 2017. All operations are expected to be moved to Selangor, Malaysia Building 4 by the end of the lease.

(3) Lease expires April 30, 2017. All operations are expected to be moved to Selangor, Malaysia Building 4 by the end of the lease.

We believe that our existing facilities and equipment are well maintained, in good operating condition and are adequate to meet our currently anticipated requirements.

## Environmental, Health, and Safety Regulations

Our operations and facilities are subject to federal, state and local regulatory requirements and foreign laws and regulations, relating to environmental, waste management and health and safety matters, including those relating to the release, use, storage, treatment, transportation, discharge, disposal and remediation of contaminants, hazardous substances and wastes, as well as practices and procedures applicable to the construction and operation of our facilities. We believe that our business is operated in substantial compliance with applicable regulations. However, in the future we could incur substantial costs, including cleanup costs, fines or civil or criminal sanctions, or third-party property damage or personal injury claims, in the event of violations or liabilities under these laws and regulations, or non-compliance with the environmental permits required at our facilities. Potentially significant expenditures could be required in order to comply with environmental laws that may be adopted or imposed in the future. We are not aware of any threatened or pending environmental investigations, lawsuits or claims involving us, our operations or our current or former facilities.

## Legal Proceedings

We are currently not a party to any legal proceedings. However, in the future we may be subject to various legal claims and proceedings which arise in the ordinary course of our business involving claims incidental to our business, including employment-related claims.

## MANAGEMENT

The following table sets forth information regarding our directors and executive officers.

<u>Name</u>	<u>Age</u>	<u>Position/Title</u>
Thomas M. Rohrs	66	Executive Chairman, Chief Executive Officer and Director
Maurice Carson	59	President, Chief Financial Officer and Director
Philip Barros	37	Chief Technology Officer
John Chenault	69	Director
Dipanjan Deb	47	Director
Andrew Kowal	40	Director
Iain MacKenzie	58	Director

Ages shown above are as of March 30, 2017. The following is a brief description of the business experience of each of the persons listed above.

**Thomas M. Rohrs** has served as Executive Chairman and director of Ichor since February 2012 and as Chief Executive Officer since September 2014. Prior to serving at Ichor, Mr. Rohrs served as Chief Executive Officer and Chairman of Skyline Solar from 2010 to 2012 and Electroglas from 2006 to 2009. Mr. Rohrs also served as Senior Vice President of Global Operations and a member of the Executive Committee for Applied Materials from 1997 to 2002 and as Vice President of Worldwide Operations for Silicon Graphics from 1992 to 1997. Mr. Rohrs currently serves on the board of directors of Advanced Energy and Intevac. Mr. Rohrs previously served on the board of directors of Magma Design Automation, Ultra Clean Technologies and Vignani Technologies. Mr. Rohrs holds a B.S. in mechanical engineering from the University of Notre Dame and an M.B.A. from the Harvard Business School. We believe Mr. Rohrs is qualified to serve as a member of our board of directors because of his extensive experience in technology industries, significant senior leadership and his strategic insight into Ichor, gained from his role as Chief Executive Officer.

**Maurice Carson** has served as a director of Ichor since February 2012 and as President and Chief Financial Officer since September 2014. Prior to serving at Ichor, Mr. Carson served as Chief Financial Officer of Intematix from 2011 to 2014 and served as Chief Financial Officer of Actel Corporation from 2009 to 2010. Mr. Carson holds a B.S. in finance and accounting from the University of Colorado and an M.B.A. from the University of Chicago. We believe Mr. Carson is qualified to serve as a member of our board of directors because of his extensive experience in finance and operations, particularly in technology industries, and his strategic insight into Ichor, gained from his role as Chief Financial Officer.

**Philip Barros** has served as Chief Technology Officer of Ichor since September 2015. Previously, Mr. Barros had served as Senior Vice President of Engineering of Ichor since April 2011, and prior to that time, served as Vice President of Engineering at Ichor since 2009. Prior to serving at Ichor, Mr. Barros served in various management positions at Celerity, Inc. from 2004 to 2009, including Vice President of Engineering and Director of Systems Engineering, and served in various engineering and management positions at Applied Materials from 2000 to 2004. Mr. Barros holds a B.S. in Mechanical Engineering from San Jose State.

**John Chenault** has served as a director of Ichor since October 2015. Mr. Chenault served as Chief Financial Officer of Novellus Systems, a semiconductor company, from April 2005 to September 2005, after which he retired. Prior to that, Mr. Chenault had served as Novellus Systems' Vice President of Corporate Development from February 2005 to April 2005, Vice President of Operation and Administration from September 2003 to February 2005, Executive Vice President of Worldwide Sales and Service from February 2002 to September 2003 and

Executive Vice President of Business Operations from July 1997 to January 2002. Mr. Chenault has served on the board of directors and audit committee of Tessera Technologies since March 2013. Mr. Chenault also served on the board of directors of Ultra Clean Technology from June 2009 to July 2015. Mr. Chenault received a Bachelor of Business degree in Economics and an M.B.A. from Western Illinois University. Mr. Chenault is qualified to serve as a member of our board of directors and as chairman of our audit committee because of his extensive experience in finance and operations, particularly in technology industries, and his experience as a board member at Ultra Clean Technology.

**Dipanjan “DJ” Deb** has served as a director of Ichor since February 2012. Mr. Deb co-founded Francisco Partners Management LP, has been a Partner with Francisco Partners since its founding in August 1999 and has served as Chief Executive Officer and Managing Partner of Francisco Partners since August 2005. Prior to co-founding Francisco Partners, Mr. Deb was a principal at TPG Capital, Director of Semiconductor Banking at Robertson, Stephens & Company and a management consultant at McKinsey & Company. Mr. Deb also currently serves on the board of directors of GoodRx, Plex Software, Quest Software and SonicWALL and formerly served on the board of directors of AMI Semiconductor, Barracuda Networks, CBA Group, Cross Match Technologies, Corsair, Legerity, MagnaChip, Metrologic, NPTest/Credence, Numonyx, SMART Modular Technologies, Ultra Clean Technology, Conexant, Globespan, and ON Semiconductor. Mr. Deb holds a B.S. in electrical engineering and computer science from the University of California, Berkeley, where he was a Regents Scholar and an M.B.A. from the Stanford Graduate School of Business. We believe that Mr. Deb is qualified to serve as a member of our board of directors because of his experience in the private equity and venture capital industries analyzing, investing in and serving on the boards of directors of manufacturing and technology companies, as well as his perspective as a representative of our largest shareholder.

**Andrew Kowal** has served as a director of Ichor since February 2012. Mr. Kowal is a Partner with Francisco Partners Management LP. Prior to joining Francisco Partners in 2001, Mr. Kowal served as a member of Princes Gate Investors where he was responsible for the identification, evaluation and execution of private equity transactions in a variety of industries, including information technology. In addition to Ichor, Mr. Kowal currently serves on the board of directors of Corsair Components, Optanix, OSY Technologies, Procera Networks, and Shoregroup. Mr. Kowal previously served on the board of directors of Aderant Holdings, MagnaChip Semiconductor, Metrologic Instruments, Mitel Networks Corporation, and Source Photonics. Mr. Kowal holds a B.S. in Economics with a Finance concentration from The Wharton School, University of Pennsylvania. We believe that Mr. Kowal is qualified to serve as a member of our board of directors because of his experience in the private equity and venture capital industries analyzing, investing in and serving on the boards of directors of manufacturing and technology companies, as well as his perspective as a representative of our largest shareholder.

**Iain MacKenzie** has served as a director of Ichor since October 2015. Mr. MacKenzie has served as President of SMART Modular Technologies, or SMART, a specialty memory solutions provider, since 2002 and Chief Executive Officer since 2005. Prior to serving as SMART's President and CEO, Mr. MacKenzie was vice president of worldwide operations for SMART and Force Computers when both were owned by Solectron. Before that, he was responsible for the start-up, SMART Modular Technologies (Europe) Ltd. Subsidiary, where he also served as general manager. Mr. MacKenzie holds the Higher National Diploma in mechanical and production engineering and the Ordinary National Diploma in electrical/electronic engineering from the Kirkcaldy College of Technology (Fife University) in Scotland. Mr. MacKenzie is qualified to serve as a member of our board of directors and as a member of our audit committee because of his extensive business and financial background and his multiyear service as the Chief Executive Officer of an international technology company.

### **Controlled Company**

In accordance with the NASDAQ rules, the Board of Directors annually determines the independence of each director. No director is considered independent unless the Board has determined that he or she has no material relationship with the Company. The Company monitors the status of its directors and officers through the activities of the Compensation, Nominating and Corporate Governance Committee and through a questionnaire to be completed by each director no less frequently than annually, with updates periodically if information provided in the most recent questionnaire has materially changed.

Based upon information requested from and provided by each director concerning his or her background, employment and affiliations, our Board of Directors has determined that each of Mr. Chenault and Mr. MacKenzie has no material relationship that would interfere with the exercise of independent judgment and is “independent” within the meaning of the applicable rules of the SEC and as defined in the NASDAQ rules. Messrs. Chenault and MacKenzie also satisfy the requirements for independence imposed upon audit committee members by Rule 10A-3 under the Exchange Act.

Under the NASDAQ rules, a company of which more than 50% of the voting power is held by another person or group of persons acting together is a “controlled company” and may elect not to comply with certain NASDAQ corporate governance requirements. We are eligible to take advantage of this “controlled company” exemption. A “controlled company” may elect not to comply with certain NASDAQ corporate governance requirements, including the requirements that: (1) a majority of the board of directors consist of independent directors, (2) compensation of officers be determined or recommended to the board of directors by a majority of its independent directors or by a compensation committee that is composed entirely of independent directors, (3) director nominees be selected or recommended by a majority of the independent directors or by a nominating committee composed solely of independent directors, and (4) an annual performance evaluation of the Compensation, Nominating and Corporate Governance Committee. We intend to continue to take advantage of each of these controlled company exemptions. As a result, the majority of our directors are not independent and our Compensation, Nominating and Corporate Governance Committee is not comprised entirely of independent directors. Accordingly, you do not have the same protections afforded to shareholders of companies that are subject to all of these corporate governance requirements. In the event that we cease to be a “controlled company” and our ordinary shares continue to be listed on the NASDAQ, we will be required to comply with these provisions within the applicable transition periods.

### **Composition of our Board of Directors**

The Board of Directors currently consists of six members. Our amended and restated memorandum and articles of association provides that Francisco Partners and its affiliates have the right to designate: (i) all of the nominees for election to our Board of Directors for so long as Francisco Partners beneficially owns 40% or more of the total number of ordinary shares then outstanding; (ii) a number of directors (rounded up to the nearest whole number) equal to 40% of the total directors for so long as Francisco Partners beneficially owns at least 30% and less than 40% of the total number of ordinary shares then outstanding; (iii) a number of directors (rounded up to the nearest whole number) equal to 30% of the total directors for so long as Francisco Partners beneficially owns at least 20% and less than 30% of the total number of ordinary shares then outstanding; (iv) two directors for so long as Francisco Partners beneficially owns at least 10% and less than 20% of the total number of ordinary shares then outstanding; and (v) one director for so long as Francisco Partners beneficially owns at least 5%

and less than 10% of the total number of ordinary shares then outstanding. In each case, Francisco Partners' nominees must comply with applicable law and stock exchange rules. In addition, Francisco Partners shall be entitled to designate the replacement for any of its board designees whose board service terminates prior to the end of the director's term regardless of Francisco Partners' beneficial ownership at such time. Francisco Partners shall also have the right to have its designees participate on committees of our Board of Directors proportionate to its stock ownership, subject to compliance with applicable law and stock exchange rules. Our amended and restated memorandum and articles of association also prohibits us from increasing or decreasing the size of our Board of Directors without the prior written consent of Francisco Partners for so long as it has nomination rights. These provisions will have no further force or effect at such time as Francisco Partners owns less than 5% of our outstanding ordinary shares. As of December 30, 2016, Francisco Partners held approximately 74.3% of the Company's outstanding ordinary shares and following this offering will hold approximately 53.9% of the Company's outstanding ordinary shares, or approximately 51.5% of the Company's outstanding ordinary shares if the underwriters exercise in full their options to purchase additional shares. See "Description of Share Capital—Director Nomination Rights."

Our board of directors is divided into three classes, each serving staggered, three-year terms:

- our Class I directors are Iain MacKenzie and Thomas Rohrs, and their terms expire at the 2017 annual general meeting of shareholders;
- our Class II directors are Dipanjan Deb and Andrew Kowal, and their terms expire at the 2018 annual general meeting of shareholders; and
- our Class III directors are Maurice Carson and John Chenault, and their terms expire at the 2019 annual general meeting of shareholders.

As a result, only one class of directors is elected at each annual general meeting of shareholders, with the other classes continuing for the remainder of their respective terms.

### **Board Leadership Structure**

Mr. Rohrs serves as both our Chief Executive Officer and the Chairman of the Board of Directors. Under our amended and restated memorandum and articles of association, the chairman is elected by the affirmative vote of a majority of the directors then in office.

The Board of Directors encourages at least annual executive sessions amongst non-management, which are presided over by an independent director designated by the non-management directors. The Board of Directors recognizes that depending on future circumstances, other leadership structures may become more appropriate for the Company, such as the appointment of a lead independent director. Accordingly, the Board of Directors will continue to periodically review its leadership structure.

### **Committees of our Board of Directors**

The Board of Directors has established the Audit Committee and the Compensation, Nominating and Corporate Governance Committee. The composition and responsibilities of each of the committees are described below. Members serve on these committees until their resignation or as otherwise determined by the Board of Directors.

#### *Audit Committee*

The Audit Committee is responsible for, among other matters: (1) oversight of the quality and integrity of our financial statements and financial reporting processes and of our systems of

internal accounting and financial controls and disclosure controls; (2) the qualifications and independence of our independent auditors; (3) the performance of our independent auditors; and (4) compliance with legal and regulatory requirements and codes of conduct and ethics programs established by management and our Board of Directors.

The Audit Committee currently consists of Mr. Chenault, Mr. Kowal and Mr. MacKenzie. Mr. Chenault is currently the chairman of the Audit Committee. The Board of Directors has determined that Messrs. Chenault and MacKenzie qualify as independent directors according to the rules and regulations of the SEC with respect to audit committee membership. The Board of Directors has also determined that Mr. Chenault qualifies as an "audit committee financial expert," as such term is defined in Item 401(h) of Regulation S-K under (the Securities Act. We expect to have a fully independent Audit Committee within one year of our initial public offering in order to comply with the NASDAQ rules. The Board of Directors adopted a written charter for the Audit Committee, which is available on our corporate website at [www.ichorsystems.com](http://www.ichorsystems.com) . Our website is not part of this prospectus.

#### **Compensation, Nominating and Corporate Governance Committee**

The Compensation, Nominating and Corporate Governance Committee is responsible for, among other matters: (1) reviewing and approving all compensation, including incentive compensation and corporate and individual goals and objectives relevant to our chief executive officer, and evaluating our chief executive officer's performance in light of those goals and objectives; (2) reviewing and approving the base salaries, incentive compensation and equity-based compensation of our other executive officers; (3) approving all significant compensation or incentive plans for executives (including material changes to all such plans); (4) having the sole authority to retain or obtain the advice of any compensation consultant, independent legal counsel or other adviser after taking into account certain factors which address the independence of that consultant, counsel or adviser; (5) annually reviewing and discussing with management the Compensation Discussion and Analysis for the Company's proxy statement, if applicable; (6) subject to the rights of Francisco Partners under our amended and restated memorandum and articles of association, identifying and recommending to our Board of Directors the persons to be nominated for election as directors and to each of the committees of our Board of Directors; and (7) leading our Board of Directors in its annual review of the performance of our Board of Directors. Pursuant to its charter, the Compensation, Nominating and Corporate Governance Committee may also delegate any of its responsibilities to one or more subcommittees as it may deem appropriate to the extent allowed by applicable law and NASDAQ rules.

The Compensation, Nominating and Corporate Governance Committee currently consists of Mr. Deb, Mr. Kowal and Mr. MacKenzie. Mr. Kowal is currently the chairman of the Compensation, Nominating and Corporate Governance Committee. The Board of Directors adopted a written charter for the Compensation, Nominating and Corporate Governance Committee, which is available on our corporate website at [www.ichorsystems.com](http://www.ichorsystems.com) . Our website is not part of this prospectus.

#### **Compensation Committee Interlocks and Insider Participation**

For 2016, our Board of Directors made all compensation decisions. None of our executive officers serve as a member of the board of directors or compensation committee of any entity that has one or more executive officers serving on our Board of Directors or Compensation, Nominating and Corporate Governance Committee.

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### **Other Committees**

Our Board of Directors may establish other committees as it deems necessary or appropriate from time to time.

### **Risk Oversight**

Our Board of Directors oversees the risk management activities designed and implemented by our management. Our Board of Directors executes its oversight responsibility for risk management both directly and through its committees. The full Board of Directors also considers specific risk topics, including risks associated with our strategic plan, business operations and capital structure. In addition, our Board of Directors receives detailed regular reports from members of our senior management and other personnel that include assessments and potential mitigation of the risks and exposures involved with their respective areas of responsibility.

Our Board of Directors has delegated to the Audit Committee oversight of our risk management process. Our other committees of our Board of Directors will also consider and address risk as they perform their respective committee responsibilities. All committees will report to the full Board of Directors as appropriate, including when a matter rises to the level of a material or enterprise level risk.

### **Family Relationships**

There are no family relationships between any of our executive officers and directors or director nominees.

### **Code of Business Ethics and Conduct**

We adopted a code of business ethics and conduct applicable to all of our officers, employees and unless specifically noted therein, all members of our Board of Directors. Copies of the code of business ethics and conduct is available on our corporate website at [www.ichorsystems.com](http://www.ichorsystems.com). We expect that any amendments to the code of business ethics and conduct, or any waivers of its respective requirements, will be disclosed on our website. Our website is not part of this prospectus

## EXECUTIVE COMPENSATION

*The following section provides compensation information pursuant to the scaled disclosure rules applicable to “emerging growth companies” under the rules of the SEC and may contain statements regarding future individual and company performance targets and goals. These targets and goals are disclosed in the limited context of our executive compensation program and should not be understood to be statements of management’s expectations or estimates of results or other guidance. We specifically caution investors not to apply these statements to other contexts.*

### Overview

Our “Named Executive Officers” for fiscal 2016, which consist of our principal executive officer and the two other most highly compensated executive officers, are:

- Thomas Rohrs, our Chief Executive Officer;
- Maurice Carson, our President and Chief Financial Officer; and
- Philip Barros, our Chief Technology Officer.

Historically, our board of directors has set the compensation of our executive officers, including for fiscal 2016. The primary objectives of our executive compensation program have been to: (1) attract, engage, and retain superior talent who contribute to our long-term success; (2) motivate, inspire and reward executive officers whose knowledge, skills and performance are critical to our business; (3) ensure compensation is aligned with our corporate strategies and business objectives; and (4) provide our executive officers with incentives that effectively align their interests with those of our shareholders.

Following our initial public offering, our Compensation, Nominating and Corporate Governance Committee, or the Committee for purposes of this “Executive Compensation” section, sets the compensation of our executive officers.

### Executive Compensation Design Overview

Our executive compensation program has reflected our growth and development oriented corporate culture. To date, the compensation of our Named Executive Officers has consisted of a combination of base salary, annual cash incentive compensation and long-term incentive compensation in the form of restricted stock or stock options. Our executive officers and all salaried employees also are eligible to receive health and welfare benefits.

As we transition from a private company to a publicly-traded company, we will evaluate our philosophy and compensation plans and arrangements as circumstances require. At a minimum, we evaluate and review our executive compensation, programs, objectives and philosophy on an annual basis and at the time of promotion or other change in level of responsibilities, as well as when competitive circumstances or business needs may require. Accordingly, the compensation paid to our Named Executive Officers for fiscal 2016 may not necessarily be indicative of how we may compensate our Named Executive Officers in future years.

**Elements of Compensation***Base Salary*

The annual base salaries for our Named Executive Officers as of the beginning of fiscal 2016 were:

<u>Named Executive Officer</u>	<u>Base Salary</u>
Thomas Rohrs(1)	\$ 375,000
Maurice Carson	\$ 350,000
Philip Barros	\$ 335,000

(1) Mr. Rohrs' annual base salary was increased to \$400,000 in April 2016.

*Incentive Compensation Plan*

We pay performance-based cash incentives in order to align the compensation of our Named Executive Officers with our short-term operational and performance goals and to provide near-term rewards for our Named Executive Officers to meet these goals. Our short-term, performance-based cash incentive plan for fiscal 2016, or the 2016 ICP, provides for incentive payments correlated to each six-month period during our fiscal year. These incentive payments are based on the attainment of pre-established objective financial and operating goals and are intended to motivate executives to work effectively to achieve performance objectives and reward them when objectives are met and results are certified by our board of directors.

Mr. Rohrs' target award for fiscal 2016 was equal to 35.7% of his base salary for the first half and 49.3% of his base salary for the second half (or 85% of his base salary for the entire fiscal year), up to a maximum award of 71.4% of his base salary for the first half and 98.6% of his base salary for the second half of fiscal 2016 (or up to 170% of his base salary for the entire fiscal year). Mr. Carson's target award for fiscal 2016 was equal to 27.3% of his base salary for the first half and 37.7% of his base salary for the second half (or 65% of his base salary for the entire fiscal year), up to a maximum award of 54.6% of his base salary for the first half and 75.4% of his base salary for the second half of fiscal 2016 equal (or up to 130% of his base salary for the entire fiscal year). Mr. Barros' target award for fiscal 2016 was equal to 21% of his base salary for the first half and 29% of his base salary for the second half (or 50% of his base salary for the entire fiscal year), up to a maximum award of 42% of his base salary for the first half and 58% of his base salary for the second half of fiscal 2016 (or up to 100% of his base salary for the entire fiscal year).

The following tables set forth (1) the metrics used to determine each named executive officer's payment for each six-month period under the 2016 ICP, which include management by objectives, or MBOs, that provide for individualized performance goals and earnings before interest, taxes, depreciation and amortization, or EBITDA (2) the weight given to each metric, and (3) the related threshold, target and maximum levels:

<u>Metrics for First Six-Month Period of 2016</u>	<u>Weight</u>	<u>Threshold</u>	<u>Target</u>	<u>Maximum</u>
			(Dollars in millions)	
Sales	30%	\$ 132.8	\$ 154.5	\$ 177.7
Gross Margin	20%	14.45%	16.8%	19.32%
EBITDA	30%	\$ 11.95	\$ 13.9	\$ 15.99
Individual MBOs	20%			
	100%			

<u>Metrics for Second Six-Month Period of 2016</u>	<u>Weight</u>	<u>Threshold</u>	<u>Target</u>	<u>Maximum</u>
			(Dollars in millions)	
Sales	30%	\$ 141.7	\$ 188.34	\$ 207.1
Gross Margin	20%	13.69%	18.2%	20.10%
EBITDA	30%	\$ 18.4	\$ 24.47	\$ 24.8
Individual MBOs	20%			
	100%			

The following table sets forth the result that we achieved with respect to each metric based on internal reporting as of the end of each six-month period and the corresponding percentage payout under the 2016 ICP. The actual result of certain metrics was subject to adjustment for nonrecurring or unusual expenses or events occurring during the period, and therefore the actual results of such metrics under the 2016 ICP as presented below may differ from the fiscal 2016 financial information included elsewhere in this prospectus:

	<u>First Six-Month Period</u>		<u>Second Six-Month Period</u>	
	<u>Actual</u>	<u>Percentage Payout</u>	<u>Actual</u>	<u>Percentage Payout</u>
		(Dollars in millions)		
Sales	\$ 162.2	133%	\$ 237.1	200%
Gross Margin	16.13%	73%	16.16%	53.5%
EBITDA	\$ 14.7	140%	\$ 24.5	100%
Individual MBOs	—	(1)	—	(2)

(1) The percentage payouts with respect to the individual MBOs for Messrs. Rohrs, Carson and Barros were 85%, 85% and 95% respectively.

(2) The percentage payouts with respect to individual MBOs for Messrs. Rohrs, Carson and Barros were 90%, 95% and 93% respectively.

Each of Messrs. Rohrs, Carson and Barros was paid a bonus under the 2016 ICP for the first six-month period of fiscal 2016 of \$162,078, \$108,449 and \$81,254, respectively. Each of Messrs. Rohrs, Carson and Barros was paid a bonus under the 2016 ICP for the second six-month period of fiscal 2016 of \$234,076, \$157,944 and \$115,900, respectively.

#### *Equity Compensation*

Until the consummation of our initial public offering in 2016, we issued equity awards under the 2012 Incentive Plan. Since the consummation of our initial public offering, we issue equity awards under the 2016 Plan, to incentivize and reward our executive officers, including our Named Executive Officers, for long-term corporate performance based on the value of our ordinary shares and, thereby, to align the interests of our executive officers with those of our shareholders. These equity awards have either been in the form of stock options to purchase our ordinary shares or restricted stock. Mr. Rohrs received an equity award during fiscal 2016 as stated below under “—Summary Compensation Table.”

The size of equity awards to each of the Named Executive Officers reflects such officer’s importance as an executive officer and also takes into account, among other factors, such officer’s role and responsibilities, the competitive market for executive officers, and the size, value and vesting status of existing equity awards at the time new equity awards are granted. The market for quality executive officers is competitive and our board of directors relies on several factors to assess the competitiveness of the market, including Francisco Partners’ experience recruiting executive officers for its portfolio companies and our directors’ own experiences in recruiting and retaining qualified executive officers.

After the consummation of our initial public offering, we committed to issuing future equity awards under the 2016 Plan and no further grants will be made under our 2012 Incentive Plan, provided that grants outstanding under the 2012 Incentive Plan will continue to be governed by such plan.

### Stock Option and Other Compensation Plans

#### 2012 Incentive Plan

The 2012 Incentive Plan was adopted by our Board of Directors and approved by our shareholders in March 12, 2012. The 2012 Plan provides for the grant of stock options (both incentive and non-qualified) and stock awards (both restricted and nonrestricted) to our outside directors, employees and consultants. As of December 30, 2016, there were options to purchase 2,164,215 ordinary shares outstanding under the 2012 Incentive Plan, at a weighted average exercise price of \$8.87 per share, of which none had been exercised and 359,850 stock awards outstanding under the 2012 Plan (of which 103,055 are restricted).

#### 2016 Plan

The 2016 Plan was adopted by our Board of Directors and approved by our shareholders in December 2016. The 2016 Plan provides for grants of stock options, stock appreciation rights, restricted stock, other share-based awards and other cash-based awards to our directors, officers and other employees of us and our subsidiaries, as well as others performing consulting or advisory services for us. As of December 30, 2016, no options to purchase ordinary shares or stock awards have been issued under the 2016 Plan.

### Summary Compensation Table

The following table presents summary information regarding the total compensation paid to, earned by, and awarded to each of our Named Executive Officers in fiscal 2016, 2015 and 2014, respectively.

Name and Principal Position	Year	Salary	Bonus	Option	Stock	Non-Equity	All Other	Total
		(\$)(1)	(\$)(1)	Awards (\$)(2)	Awards (\$)(3)	Incentive Plan Compensation (\$)(4)	Compensation (\$)(5)	(\$)
Thomas Rohrs <i>Chief Executive Officer</i>	2016	\$392,308	\$251,466	—	\$847,451	\$ 396,154	\$ 2,500	\$1,889,879
	2015	\$375,000	\$583,318	\$ 5,210	—	\$ 234,441	\$ 2,500	\$1,200,469
	2014	\$282,692	—	\$636,929	\$224,146	\$ 35,775	\$ 42,500	\$1,222,042
Maurice Carson <i>President and Chief Financial Officer</i>	2016	\$350,000	\$378,486	—	—	\$ 266,393	\$ 2,500	\$ 997,379
	2015	\$350,000	\$176,337	—	—	\$ 150,255	\$ 2,500	\$ 679,092
Philip Barros <i>Chief Technology Officer</i>	2016	\$335,000	\$232,107	\$129,216	—	\$ 197,154	\$ 2,500	\$ 895,977
	2015	\$315,769	\$160,534	\$ 2,094	—	\$ 113,228	\$ 2,500	\$ 594,125
	2014	\$300,769	—	—	—	\$ 41,013	\$ 2,500	\$ 344,282

- (1) Represents bonuses paid in connection with a cash dividend declared and paid in fiscal 2015, or the 2015 Dividend. The bonus amounts payable to each NEO equaled the product of (x) \$0.155, which is the per share dividend amount paid to shareholders and (y) the number of ordinary shares underlying options and where held, the number of shares of restricted stock, held by each such individual at the time of the 2015 Dividend. Such bonus amounts were to be paid as the underlying awards vest, provided that certain payments were accelerated and paid in connection with our initial public offering in December 2016. The 2016 amount for Mr. Barros also includes \$200,000 paid in fiscal 2016 as a bonus for the consummation of our initial public offering.
- (2) Messrs. Rohrs and Barros were granted stock options under the 2012 Incentive Plan and the value of such option awards were based on the fair value of the awards as of the grant date calculated in accordance with ASC 718,

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excluding any estimate of future forfeitures. Also includes for Messrs. Rohrs and Barros, incremental value associated with the modification of the exercise prices of outstanding options in connection with the 2015 Dividend pursuant to the terms of the 2012 Incentive Plan.

- (3) Represents restricted stock awards granted to Mr. Rohrs in February 2016. The value of these stock awards were based on the fair value of the awards as of the grant date calculated in accordance with ASC 718, excluding any estimate of future forfeitures.
- (4) Represents the actual amount earned by each of our Named Executive Officers under our short-term, performance-based cash incentive plan for fiscal 2016, fiscal 2015 or fiscal 2014, as applicable. See “—Elements of Compensation-Incentive Compensation Plan” for additional information regarding the 2016 ICP.
- (5) Represents (a) matching contributions of \$2,500 per year under our 401(k) plan, and (b) for Mr. Rohrs, \$40,000 paid in fiscal 2014 as a retention sign-on bonus payment pursuant to his employment agreement.

**Outstanding Equity Awards at Fiscal Year End**

The following table sets forth information regarding outstanding equity awards for each of our Named Executive Officers as of December 30, 2016.

Name	Grant Date	Option Awards			Stock Awards		
		Number of Securities Underlying Unexercised Options Exercisable	Number of Securities Underlying Unexercised Options Unexercisable	Option Exercise Price	Option Expiration Date	Number of Shares or Units of Stock That Have Not Vested	Market Value of Shares or Units of Stock That Have Not Vested (\$)(1)
Thomas Rohrs(2)	3/12/2012	51,522	—	\$ 8.05	3/12/2019	—	—
	10/25/2013	300,541	42,944	\$ 8.05	10/25/2020	—	—
	10/25/2013	145,080	6,442	\$ 14.90(3)	10/25/2020	—	—
	11/15/2013	—	—	—	—	7,464	\$ 80,760
	9/19/2014	215,908	—	\$ 8.05	9/19/2021	—	—
	2/16/2016	89,964	—	—	—	56,228	\$ 608,387
Maurice Carson(4)	3/12/2012	61,827	—	\$ 8.05	3/12/2019	—	—
	9/19/2014	114,418	88,997	\$ 8.05	9/19/2021	—	—
	9/19/2014	—	—	—	—	39,363	\$ 425,908
Philip Barros(5)	3/12/2012	154,568	—	\$ 8.05	3/12/2019	—	—
	3/12/2012	51,522	—	\$ 14.90(3)	3/12/2019	—	—
	3/17/2016	—	30,913	\$ 9.42	3/17/2023	—	—

- (1) The market value reported in this table is based upon a price of \$10.82 per share, which was closing price on the last trading day prior to the end of the 2016 fiscal year.
- (2) Mr. Rohrs' option and restricted stock awards vest as follows: (i) with respect to the March 2012 award, 25% of the award vested on the one year anniversary of the date of grant and the remainder vested ratably on a quarterly basis over a three-year period thereafter, (ii) with respect to the October 2013 awards, 25% of each award vested on June 30, 2014 and the remainder vested ratably on a quarterly basis over a three-year period thereafter, subject to Mr. Rohrs' continued employment with us; (iii) with respect to the November 2013 award, 25% of the award vested on June 30, 2014 and the remainder vests ratably on a quarterly basis over a three-year period thereafter, subject to Mr. Rohrs' continued employment with us, (iv) with respect to the September 2014 option award, the award fully vested upon the consummation of our initial public offering in December 2016 and (v) with respect to the February 2016 award, 12.5% of the award vested on March 31, 2016 and the remainder vests ratably in seven equal installments over the 21-month period thereafter, subject to Mr. Rohrs' continued employment with us.
- (3) In connection with the 2015 Dividend, our board of directors approved an adjustment to the exercise price of such options from \$16.10 to \$14.90.
- (4) Mr. Carson's option and restricted stock awards vest as follows: (i) with respect to the March 2012 award, 25% of the award vests on the one year anniversary of the date of grant and the remainder vested ratably on a quarterly basis over a three-year period thereafter, (ii) with respect to the September 2014 option award, 25% of the award vested on the one year anniversary of the date of grant and the remainder vested ratably on a quarterly basis over a three-year period thereafter, subject to Mr. Carson's continued employment with us, and (iii) with respect to 89,963 restricted shares of the September 2014 restricted stock award, 25% of the award vested on the one year anniversary of the date of grant and the remainder vests ratably on a quarterly basis over a three-year period thereafter, subject to Mr. Carson's continued employment with us.

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- (5) Each of Mr. Barros' option awards vest as follows: (i) 25% of each award vested on March 12, 2012 and the remainder vested ratably on a quarterly basis over a three -year period thereafter and (ii) with respect to the March 2016 option award, 25% of the award vests on the one year anniversary of the date of grant and the remainder vests ratably on a quarterly basis over a three -year period thereafter, subject to Mr. Barros' continued employment with us.

### Severance Obligations

We are obligated to pay severance benefits to Messrs. Rohrs, Carson and Barros upon the termination of their employment in certain circumstances.

Pursuant to Mr. Rohrs' and Mr. Carson's employment agreements, in the event of a termination without cause by us or for good reason by Mr. Rohrs or Mr. Carson prior to a sale of the Company or following the one-year anniversary of a sale of the Company, Mr. Rohrs or Mr. Carson, as applicable, is entitled to (i) an amount equal to 12 months of his base salary at the rate then in effect, (ii) the bonus for the year of termination, based on actual results and prorated based on the partial year of service and (iii) subsidies of health continuation coverage under COBRA (to the same extent we subsidize active employees' coverage) for 12 months following the termination, or until there is eligibility of benefits from a successor employer. Each of Mr. Rohrs' and Mr. Carson's employment agreement also provides that in the event of a termination during the one-year period following a sale of the Company, Mr. Rohrs or Mr. Carson, as applicable, is entitled to an amount equal to his target incentive bonus then in effect in addition to the severance benefits described above.

Pursuant to Mr. Barros' offer letter, in the event of a termination of Mr. Barros' employment without cause due to downsizing, he is entitled to a severance payment equal to three months of his base salary at the rate then in effect. If Mr. Barros' termination occurs within 12 months' of a change of control, he is entitled to a total payment equal to six months' of his base salary at the rate then in effect.

### Equity Compensation

The following table sets forth the indicated information as of December 30, 2016 with respect to our equity compensation plans approved by security holders:

<u>Plan Description</u>	<u>Number of securities to be issued upon exercise of outstanding options, warrants and rights</u>	<u>Number of securities remaining available for future issuance under equity compensation plans</u>
2016 Plan	—	1,888,000
2012 Incentive Plan	2,164,215	580,228(1)
Total	2,164,215	2,468,228

- (1) The Company does not intend to issue further awards under the 2012 Incentive Plan as described above under "Elements of Compensation."

Our equity compensation plans consist of the 2016 Plan and 2012 Incentive Plan, which were approved by our shareholders. We do not have any equity compensation plans or arrangements that have not been approved by our shareholders.

### Director Compensation

During fiscal 2016, our non-employee directors who were not affiliated with Francisco Partners earned cash compensation for service on our board of directors. In addition, we

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reimbursed our directors for expenses associated with attending meetings of our board of directors and committees of our board of directors. The following table provides information regarding compensation earned by our non-employee directors for service as directors for fiscal 2016. Each member of management who served on the board of directors did not receive any additional compensation for his role as director.

<u>Name</u>	<u>Fees Earned Or Paid in Cash</u>	<u>Stock Awards</u>	<u>Option Awards</u>	<u>Non-Equity Incentive Plan Compensation</u>	<u>Nonqualified Deferred Compensation Earnings</u>	<u>All Other Compensation</u>	<u>Total</u>
Kevin Brady(1)	\$ 56,120(2)	—	—	—	—	—	\$56,120
John Chenault	\$ 25,000	—	—	—	—	—	\$25,000
Dipanjan Deb	—	—	—	—	—	—	—
Andrew Kowal	—	—	—	—	—	—	—
Iain MacKenzie	\$ 25,000	—	—	—	—	—	\$25,000

(1) Mr. Brady ceased to be a member of our board of directors in August 2016.

(2) Includes an annual cash retainer of \$20,000 and a cash bonus paid in connection with the 2015 Dividend. The bonus amount equaled the product of (x) \$0.155, which is the per share dividend amount paid to shareholders, and (y) the number of ordinary shares underlying options held by Mr. Brady at the time of the 2015 Dividend.

We have entered into indemnification agreements with each of our executive officers and directors. The indemnification agreements provide the executive officers and directors with contractual rights to indemnification, expense advancement and reimbursement, to the fullest extent permitted under applicable law.

We are continuing to evaluate the compensation we pay to our non-employee directors. In the future, we may adjust director compensation in light of the additional responsibilities of our directors now that we are a public company.

## PRINCIPAL AND SELLING SHAREHOLDERS

The following table sets forth certain information regarding beneficial ownership of our ordinary shares as of March 31, 2017 by:

- each selling shareholder;
- each person, or group of affiliated persons, known by us to beneficially own more than 5% of our ordinary shares;
- each Named Executive Officer;
- each of our directors; and
- all of our executive officers and directors as a group.

Each shareholder's percentage ownership is based on 24,770,889 ordinary shares issued and outstanding as of March 31, 2017. The information relating to numbers and percentages of shares beneficially owned following this offering gives effect to the sale of ordinary shares by the selling shareholders.

Beneficial ownership for the purposes of the following table is determined in accordance with the rules and regulations of the SEC. These rules generally provide that a person is the beneficial owner of securities if such person has or shares the power to vote or direct the voting thereof, or to dispose or direct the disposition thereof or has the right to acquire such powers within 60 days. Ordinary shares subject to options that are currently exercisable or exercisable within 60 days of March 31, 2017 are deemed to be outstanding and beneficially owned by the person holding the options. These shares, however, are not deemed outstanding for the purposes of computing the percentage ownership of any other person. Except as disclosed in the footnotes to this table and subject to applicable community property laws, we believe that each shareholder identified in the table possesses sole voting and investment power over all ordinary shares shown as beneficially owned by the shareholder.

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Unless otherwise noted below, the address of each beneficial owner listed on the table is c/o Ichor Holdings, Ltd., 3185 Laurelview Ct., Fremont, California 94538.

Name	Beneficial ownership prior to this offering		Ordinary shares being sold in this offering (no option exercise)	Beneficial ownership following this offering (no exercise of underwriters' option)		Ordinary shares being sold in this offering (full option exercise)	Beneficial ownership following this offering (full exercise of underwriters' option)	
	Number of shares	Percentage		Number of shares	Percentage		Number of shares	Percentage
<b>Principal Shareholders:</b>								
Entities affiliates with Francisco Partners(1)	17,722,808	71.5%	4,347,547	13,375,261	53.9%	4,946,321	12,776,487	51.5%
<b>Directors and Executive Officers:</b>								
Thomas M. Rohrs(2)	817,663	3.30	84,236	733,427	3.0	126,354	691,309	2.8
Maurice Carson(3)	368,883	1.50	44,517	324,366	1.3	66,775	302,108	1.2
Philip Barros(4)	213,818	*	23,700	190,118	*	35,550	178,268	*
John Chenault(5)	23,184	*	—	23,184	*	—	23,184	*
Dipanjan Deb(6)	17,722,808	71.6	4,347,547	13,375,261	53.9	4,946,321	12,776,487	51.5
Andrew Kowal	—	—	—	—	—	—	—	—
Iain MacKenzie(7)	19,320	*	—	19,320	*	—	19,320	*
Directors and executive officers as a group (7 persons)	19,165,676	77.4%	4,500,000	14,665,676	59.1%	5,175,000	13,990,676	56.4%

\* Represents beneficial ownership of less than one percent (1%).

- (1) Consists of prior to this offering, (i) 15,765,091 shares held by Francisco Partners III (Cayman), L.P., or FP III Cayman, (ii) 182,062 shares held by Francisco Partners Parallel Fund III (Cayman), L.P., or FPPF III Cayman, and (iii) 1,775,655 shares held by Ichor Investment Holdings, LLC, or IIH LLC., FP III Cayman and FPPF III Cayman are collectively referred to as the Francisco Funds. FP III Cayman owns approximately 30% of the outstanding units of IIH LLC. Francisco Partners GP III (Cayman), L.P., or FP GP Cayman III, is the general partner of each of FP III Cayman and FPPF III Cayman and the manager of IIH LLC. Francisco Partners GP III Management (Cayman), Limited, or FP GP III Management, is the general partner of FP GP Cayman III. In those capacities, FP GP III and FP GP III Management may be deemed to share voting and dispositive power with respect to the ordinary shares owned by FP III Cayman, FPPF III Cayman and IIH LLC. An investment committee comprised of Dipanjan Deb, David R. Golob, Keith Geeslin and Ezra Perlman, certain of the managers of FP GP III Management, share voting and dispositive power with respect to the shares beneficially held by FP GP III Management. Each of the managers of FP GP III Management expressly disclaims beneficial ownership of any ordinary shares, except to the extent of their pecuniary interest. The address of each of the entities listed above is One Letterman Drive, Building C, Suite 410, San Francisco, CA 94129.
- (2) Includes shares that may be acquired within 60 days upon the exercise of vested options.
- (3) Includes shares that may be acquired within 60 days upon the exercise of vested options.
- (4) Represents shares that may be acquired within 60 days upon the exercise of vested options.
- (5) Represents shares that may be acquired within 60 days upon the exercise of vested options.
- (6) Consists of the shares listed in footnote (1) above, which are held by entities affiliated with Francisco Partners. Mr. Deb is a managing director of FP GP III Management and a member of the investment committee, and may be deemed to be the beneficial owner of such shares. Mr. Deb disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest.
- (7) Represents shares that may be acquired within 60 days upon the exercise of vested options.

## CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

### Policies and Procedures for Related Person Transactions

In connection with our initial public offering, we adopted our Related Person Transactions Policy and Procedures that sets forth our policies and procedures regarding the identification, review, consideration, approval and oversight of “related-person transactions.” For purposes of our policy only, a “related-person transaction” is a transaction, arrangement or relationship (or any series of similar transactions, arrangements or relationships) in which we (including any of our subsidiaries) were, are or will be participants, the amount involved exceeds \$120,000 and a related person has or will have a direct or indirect interest. Various transactions are not covered by this policy, including transactions involving compensation for services provided to us as an employee, director, consultant or similar capacity by a related person, equity and debt financing transactions with a related person that are approved by our Board of Directors, and other transactions not otherwise required to be disclosed under Item 404 of Regulation S-K. A “related person,” as determined since the beginning of our last fiscal year, is any executive officer, director or nominee to become director, a holder of more than 5% of our ordinary shares, including any immediate family members of such persons. Any related-person transaction may only be consummated if approved or ratified by the affirmative vote of a majority of our dis-interested directors then in office in accordance with the policy guidelines set forth below.

Under the policy, where a transaction has been identified as a related-person transaction, management must present information regarding the proposed related-person transaction to our Audit Committee for review and recommendation for approval to our Board of Directors. In considering related-person transactions, our Audit Committee and Board of Directors take into account the relevant available facts and circumstances and the extent of the related person’s interest in the transaction. In the event a director has an interest in the proposed transaction, the director must recuse himself or herself from the deliberations and approval process.

A copy of our Related-Person Transaction Policy is available on our corporate website at [www.ichorsystems.com](http://www.ichorsystems.com). The information contained on our website is not part of this Prospectus.

### Transactions with Francisco Partners

#### *Investor Rights Agreement*

We are party to an Investor Rights Agreement with Francisco Partners and the other shareholders from time to time party thereto which sets forth certain rights and obligations of Francisco Partners and such other shareholders. The Investor Rights Agreement provides:

- if Francisco Partners demands that we effect any registration, qualification or compliance with respect to all or part of its Registrable Securities (as defined therein), then we must promptly give notice of the proposed registration, qualification or compliance to all other holders and as soon practicable, use our best efforts to effect such registration, qualification or compliance;
- if, at any time, we register any of our securities, we agree to (a) promptly give to each holder written notice thereof and (b) include in such registration, and in any underwriting involved therein, all the Registrable Securities specified in a written request or requests made by any holder within 20 days after the receipt of such written notice from us;
- in connection with any registrations, filings or qualifications, we will pay the fees and expenses of counsel selected by the shareholders selling the greatest number of shares in such offering;

- a 180-day holdback agreement in connection with our initial public offering; and
- certain information rights for each of the parties to the agreement.

#### *Management Services Agreement and Master Consulting Agreements*

In connection with our acquisition and ownership by Francisco Partners, we were party to the following management services agreement and consulting services agreement until the consummation of our initial public offering on December 14, 2016: (1) a Master Services Agreement (the “MSA”) with an affiliate of Francisco Partners, (2) a Master Consulting Agreement, or the 2014 Consulting Agreement, effective as of January 1, 2014, with Francisco Partners Consulting, LLC (“FPC”), an entity which is owned and controlled by individual operations executives in which Francisco Partners holds no interest, (3) an Amended and Restated Master Consulting Agreement, or the 2015 Consulting Agreement, effective as of January 1, 2015, with FPC and (4) a Master Consulting Agreement (the “2016 Consulting Agreement”), effective as of January 1, 2016, with FPC.

Pursuant to the terms of the MSA, Francisco Partners provided us with consulting and advisory services, including general management services, identification, support and negotiation of acquisitions and dispositions, support and analysis with respect to financing alternatives and finance marketing, strategic planning functions and general finance functions. We reimbursed Francisco Partners for reasonable out-of-pocket expenses incurred in connection with providing us consulting and advisory services and were scheduled to pay an annual advisory fee equal to \$1.5 million per fiscal year. However, Francisco Partners waived payment of the annual advisory fee for 2016.

Pursuant to the terms of the 2014 Consulting Agreement, 2015 Consulting Agreement and 2016 Consulting Agreement, FPC provided us with operational consulting services, including consulting relating to executive operations, human capital management, procurement and supply chain optimization, sales and marketing, research and development and professional services. Each Agreement required us to pay an annual service fee and reimburse FPC for reasonable out-of-pocket expenses. We incurred service fees of \$580,000 under the 2014 Consulting Agreement in fiscal 2014, \$342,000 under the 2015 Consulting Agreement in fiscal 2015 and \$512,000 under the 2016 Consulting Agreement in fiscal 2016.

#### *Board Composition*

Our amended and restated memorandum and articles of association provides that Francisco Partners and its affiliates have the right to designate: (i) all of the nominees for election to our Board of Directors for so long as Francisco Partners beneficially owns 40% or more of the total number of ordinary shares then outstanding; (ii) a number of directors (rounded up to the nearest whole number) equal to 40% of the total directors for so long as Francisco Partners beneficially owns at least 30% and less than 40% of the total number of ordinary shares then outstanding; (iii) a number of directors (rounded up to the nearest whole number) equal to 30% of the total directors for so long as Francisco Partners beneficially owns at least 20% and less than 30% of the total number of ordinary shares then outstanding; (iv) two directors for so long as Francisco Partners beneficially owns at least 10% and less than 20% of the total number of ordinary shares then outstanding; and (v) one director for so long as Francisco Partners beneficially owns at least 5% and less than 10% of the total number of ordinary shares then outstanding. In each case, Francisco Partners’ nominees must comply with applicable law and stock exchange rules. In addition, Francisco Partners shall be entitled to designate the replacement for any of its board designees whose board service terminates prior to the end of

the director's term regardless of Francisco Partners' beneficial ownership at such time. Francisco Partners shall also have the right to have its designees participate on committees of our Board of Directors proportionate to its stock ownership, subject to compliance with applicable law and stock exchange rules. Our amended and restated memorandum and articles of association also prohibits us from increasing or decreasing the size of our Board of Directors without the prior written consent of Francisco Partners for so long as it has nomination rights. These provisions will have no further force or effect at such time as Francisco Partners owns less than 5% of our outstanding ordinary shares. As of December 30, 2016, Francisco Partners held 74.3% of the Company's outstanding ordinary shares. See "Description of Share Capital—Director Nomination Rights."

#### *Members Agreement*

Until the consummation of our public offering on December 14, 2016, we were party to a Members Agreement with Francisco Partners and certain other shareholders which provided certain board appointment, preemptive and other rights.

Each party to the Members Agreement agreed to vote all of the shares it beneficially owned to maintain the authorized number of directors as set forth in our previously in effect memorandum and articles of association. Each party also agreed to vote its shares to elect to our board of directors nominated by FP III Cayman and to vote for no other person. The Members Agreement also provided for customary preemptive rights for the parties in the event that we were to issue new shares, subject to certain exceptions.

#### *Other Transactions*

We sublease a facility from Precision Flow Inc. pursuant to an agreement that terminates in February 2018. Kevin Brady, who was a member of our board of directors until his resignation in August 2016, is the president and majority owner of Precision Flow Inc. We paid Precision Flow Inc. rent in the amounts of approximately \$963,000, \$1,155,000 and \$975,000 during 2016, 2015 and 2014, respectively.

We have made purchases from Ceres Technologies, an entity which is owned by Mr. Brady, on a purchase order basis. We had purchases from Ceres Technologies of approximately \$137,000, \$841,000 and \$1,556,000 during 2016, 2015 and 2014, respectively. Additionally, we earned sales from Ceres Technologies of approximately \$215,000 during 2016.

We purchased certain parts from Ajax Foresight Global Manufacturing Sdn. Bhd. ("AFGM"), an investment acquired in conjunction with our purchase of Ajax-United Patterns & Molds, Inc. in April 2016. Our total purchases from AFGM were approximately \$722,000 in 2016 and our outstanding accounts payable to AFGM totaled \$344,000 at December 30, 2016. We sold our investment in AFGM in February 2017.

## DESCRIPTION OF CERTAIN INDEBTEDNESS

### Credit Facilities

On August 11, 2015, we entered into a new \$55.0 million Term Loan Facility and a \$20.0 million Revolving Credit Facility, or our Credit Facilities, which were established pursuant to a Credit Agreement, by and among Ichor Holdings, LLC, Precision Flow Technologies, Inc. and Ichor Systems, Inc., as borrowers, certain of their subsidiaries as guarantors, Bank of America, N.A. as administrative agent, L/C issuer, and swingline lender, and the lenders from time to time party thereto, or the Credit Agreement.

To finance the Ajax Acquisition, on April 12, 2016, we increased our Term Loan Facility by an additional principal amount of \$15.0 million and agreed to certain related amendments to the terms of our Credit Facilities. As of December 30, 2016, there was \$39.8 million outstanding under our Term Loan Facility. The outstanding amount of our Term Loan Facility reflected in our consolidated financial statements included elsewhere in this prospectus is net of \$1.9 million of debt discount.

The following summary is a description of the principal terms of our Credit Facilities and the related documents governing those facilities.

#### *Guarantors*

As of December 30, 2016, the sole guarantors under our Credit Facilities were two of our foreign subsidiaries. In addition, the borrowers under our Credit Facilities, which include Ichor Holdings, LLC, Precision Flow Technologies, Inc., Ichor Systems, Inc. and Ajax, are all jointly and severally liable for all obligations under our Credit Facilities.

#### *Payments and Interest*

Principal payments are due on a quarterly basis, however, the \$25,000 payment made using proceeds from our initial public offering was treated as a prepayment, and therefore the Company is not required to make quarterly principal payments until the maturity date in August 2020, at which point any remaining principal is due.

Borrowings under our Term Loan Facility and our Revolving Credit Facility each bear interest at (1) for base rate loans, the “base rate” (as defined below) plus 3.00% or (2) for eurodollar loans, the “eurodollar rate” (as defined below) plus 4.00%. The base rate equals the highest of (i) the prime rate, (ii) the federal funds effective rate plus 0.50% and (iii) the eurodollar rate plus 1.00%. The eurodollar rate equals LIBOR, provided that with respect to our Term Loan Facility only, LIBOR shall not be less than 1.00%.

#### *Prepayments*

We are obligated to make prepayments on our Credit Facilities under the following circumstances: (i) if we incur additional indebtedness that is not permitted under our Credit Facilities, 100% of the net cash proceeds must be applied toward prepayment of the loans; (ii) if we receive net cash proceeds pursuant to non-ordinary course asset sales, casualty losses or non-permitted dispositions, in each case subject to certain thresholds, exceptions and reinvestment rights, 100% of the net cash proceeds must be applied toward prepayment of the loans; and (iii) 50% of our “excess cash flow” (as defined in the Credit Agreement), calculated

on an annual basis, subject to customary adjustments and credits, is required to be applied toward the prepayment of the loans, provided that such percentage shall be reduced to 25% if our consolidated total net leverage ratio is less than 2.25:1.00 as of the last day of the fiscal year and 0% if less than 1.75:1.00 as of the last day of the fiscal year. The prepayments in clauses (i) through (iii) above shall be applied first, to the next four principal installments under our Term Loan Facility in direct order of maturity, second, to the remaining principal installments under our Term Loan Facility (excluding the final scheduled installment date on the maturity date) on a pro rata basis and third, to our Revolving Credit Facility.

#### *Covenants*

Our Credit Facilities contain customary covenants and restrictions on our activities, including limitations on: the incurrence of additional indebtedness; liens, negative pledges, guarantees, investments, loans, asset sales, mergers, acquisitions and prepayment of other debt; distributions, dividends and the repurchase of capital stock; transactions with affiliates; fundamental changes; dispositions; the ability to change the nature of our business, accounting policies or reporting practices, or fiscal year; financial covenants; and the ability to amend the terms of our organizational documents.

#### *Events of Default*

Events of default under our Credit Facilities include the following:

- a failure to pay principal, interest, fees or other amounts under our Credit Facilities when due taking into account any applicable grace period;
- any representation or warranty shall have been incorrect or misleading in any material respect when made;
- a failure to perform or observe covenants or other terms of our Credit Facilities, subject to certain grace periods;
- a failure to perform on any obligations under, or the existence of any default under, any other of the other loan documents, subject to certain grace periods;
- cross-default to other material debt;
- bankruptcy events;
- unsatisfied final judgments over a certain threshold;
- subordination provisions with respect to subordinated debt ceasing to be valid and enforceable;
- a change in control; and
- certain defaults under the Employee Retirement Income Security Act of 1974.

## DESCRIPTION OF SHARE CAPITAL

*Material provisions of our amended and restated memorandum and articles of association and relevant sections of Cayman Islands law are summarized below. The following summary is qualified in its entirety by the provisions of our memorandum and articles of association.*

### General

As of December 30, 2016, we had authorized share capital of \$22,000, divided into 200,000,000 ordinary shares, each with a par value of \$0.0001, and 20,000,000 preferred shares, each with a par value of \$0.0001.

### Ordinary Shares

Holders of ordinary shares are entitled to cast one vote for each share on all matters submitted to a vote of shareholders, including the election of directors. The holders of ordinary shares are entitled to receive ratably such dividends, if any, as may be declared by our directors out of funds legally available therefore. We do not expect for the foreseeable future to pay dividends on our ordinary shares. Instead, we anticipate that all of our earnings, if any, in the foreseeable future will be used for working capital and other general corporate purposes. Any future determination to pay dividends will be at the discretion of our board of directors and will depend upon, among other factors, our results of operations, financial condition, capital requirements and contractual restrictions. Such holders do not have any preemptive or other rights to subscribe for additional shares. All holders of ordinary shares are entitled to share ratably in any assets for distribution to shareholders upon our liquidation, dissolution or winding up.

There are no conversion, redemption or sinking fund provisions applicable to the ordinary shares.

### Preferred Shares

Our board of directors is authorized, without any action by our shareholders, to designate and issue preferred shares in one or more series and to designate the powers, preferences and rights of each series, which may be greater than the rights of our ordinary shares. It is not possible to state the actual effect of the issuance of any shares of preferred shares upon the rights of holders of our ordinary shares until the board of directors determines the specific rights of the holders of such preferred shares. However, the effects might include, among other things:

- impairing dividend rights of our ordinary shares;
- diluting the voting power of our ordinary shares;
- impairing the liquidation rights of our ordinary shares; and
- delaying or preventing a change of control of us without further action by our shareholders.

No preferred shares are issued and outstanding, and we have no present plan to issue any of our preferred shares.

### Limitations on the Right to Own or Vote Shares

As a Cayman Islands company, we may not hold our own shares as a shareholder, save for shares that are redeemed or repurchased by us or surrendered by a shareholder and held as

treasury shares. We may not exercise any voting or other rights in respect of treasury shares nor may any dividend be declared or paid or other distribution be made in respect of treasury shares. However, bonus shares may be issued in respect of treasury shares although they will, in turn, be treated as treasury shares.

#### **Limitations on Transfer of Shares**

Our articles of association give our directors, at their discretion, the right to decline to register any transfers of shares including shares that are not fully paid-up shares.

#### **Disclosure of Shareholder Ownership**

There are no provisions in our amended and restated memorandum of association or articles of association governing the ownership threshold above which shareholder ownership must be disclosed by any shareholder.

#### **Director Nomination Rights**

Our amended and restated memorandum and articles of association provides that Francisco Partners and its affiliates (referred to herein as "Francisco Partners") the right to designate: (i) all of the nominees for election to our Board of Directors for so long as Francisco Partners beneficially owns 40% or more of the total number of ordinary shares then outstanding; (ii) a number of directors (rounded up to the nearest whole number) equal to 40% of the total directors for so long as Francisco Partners beneficially owns at least 30% and less than 40% of the total number of ordinary shares then outstanding; (iii) a number of directors (rounded up to the nearest whole number) equal to 30% of the total directors for so long as Francisco Partners beneficially owns at least 20% and less than 30% of the total number of ordinary shares then outstanding; (iv) two directors for so long as Francisco Partners beneficially owns at least 10% and less than 20% of the total number of ordinary shares then outstanding; and (v) one director for so long as Francisco Partners beneficially owns at least 5% and less than 10% of the total number of ordinary shares then outstanding. In each case, Francisco Partners' nominees must comply with applicable law and stock exchange rules. In addition, Francisco Partners shall be entitled to designate the replacement for any of its board designees whose board service terminates prior to the end of the director's term regardless of Francisco Partners' beneficial ownership at such time. Francisco Partners shall also have the right to have its designees participate on committees of our Board of Directors proportionate to its stock ownership, subject to compliance with applicable law and stock exchange rules. Our articles of association will also prohibit us from increasing or decreasing the size of our Board of Directors without the prior written consent of Francisco Partners for so long as it has nomination rights. These provisions will have no further force or effect at such time as Francisco Partners owns less than 5% of our outstanding ordinary shares. As of December 30, 2016, Francisco Partners held 74.3% of the Company's outstanding ordinary shares.

#### **Changes in Share Capital**

We may, from time to time, by ordinary resolution passed by a majority of the votes cast by shareholders present at a shareholder meeting entitled to vote on such resolution, or passed by a unanimous written consent of our shareholders, increase our authorized share capital by such sum, to be allocated among shares of such par value, as the resolution shall prescribe. The new shares shall be subject to the same provisions with reference to the payment of calls, liens, transfers, transmissions, forfeitures and otherwise as the shares in the original share capital. We may by ordinary resolution passed at a shareholder meeting by a majority of the votes cast by

shareholders present at such meeting and entitled to vote on such resolution, or passed by a unanimous written consent of our shareholders:

- consolidate our share capital into shares of larger par value than our existing shares;
- sub-divide our share capital into shares of smaller par value;
- divide our shares into multiple classes; and
- cancel any shares which, at the date of the passing of the resolution, have not been issued and diminish the amount of the shares so cancelled.

We may by special resolution passed by at least two-thirds of the votes cast by shareholders present at a shareholder meeting and entitled to vote on such resolution, or passed by a unanimous written consent of our shareholders, reduce our share capital to the extent not representing shares in issue or following court application and consent, reduce our share capital in relation to shares in issue or any capital redemption reserve fund maintained in accordance with the Cayman Island Companies Law (2016 Revision).

### Amendments

Our articles of association provide that our articles of association may only be amended at a shareholder meeting upon approval by two-thirds of the votes cast by our shareholders or, for so long as we are a controlled company, a unanimous written consent signed by all shareholders.

### Material Differences in Corporate Law

The Cayman Islands Companies Law is modeled after the corporate legislation of the United Kingdom but does not follow recent United Kingdom statutory enactments, and differs from laws applicable to United States corporations and their shareholders. Set forth below is a summary of the significant differences between the provisions of the Companies Law applicable to us and the laws applicable to companies incorporated in the State of Delaware and their shareholders.

	<u>Delaware</u>	<u>Cayman Islands</u>
<i>Title of Organizational Documents</i>	Certificate of Incorporation	Memorandum of Association
<i>Duties of Directors</i>	<p>Bylaws</p> <p>Under Delaware law, the business and affairs of a corporation are managed by or under the direction of its board of directors. In exercising their powers, directors are charged with a fiduciary duty of care to protect the interests of the corporation and a fiduciary duty of loyalty to act in the best interests of its shareholders. The duty of care requires that directors act in an informed and deliberative manner and inform themselves, prior to making a business decision, of all material</p>	<p>Articles of Association</p> <p>As a matter of Cayman Islands law, directors of Cayman Islands companies owe fiduciary duties to the their respective companies to, amongst other things, act in good faith in their dealings with or on behalf of the company and exercise their powers and fulfill the duties of their office honestly. This duty has four essential elements:</p> <ul style="list-style-type: none"><li>• a duty to act in good faith in what the directors bona fide consider to be the best</li></ul>

*Limitations on  
Personal Liability of  
Directors*

**Delaware**

information reasonably available to them. The duty of care also requires that directors exercise care in overseeing and investigating the conduct of the corporation's employees. The duty of loyalty may be summarized as the duty to act in good faith, not out of self-interest, and in a manner which the director reasonably believes to be in the best interests of the shareholders.

Subject to the limitations described below, a certificate of incorporation may provide for the elimination or limitation of the personal liability of a director to the corporation or its shareholders for monetary damages for a breach of fiduciary duty as a director.

Such provision cannot limit liability for breach of loyalty, bad faith, intentional misconduct, unlawful payment of dividends or unlawful share purchase or redemption. In addition, the certificate of incorporation cannot limit liability for any act or omission occurring prior to the date when such provision becomes effective.

**Cayman Islands**

interests of the company (and in this regard, it should be noted that the duty is owed to the company and not to associate companies, subsidiaries or holding companies);

- a duty not to personally profit from opportunities that arise from the office of director;
- a duty to avoid conflicts of interest; and
- a duty to exercise powers for the purpose for which such powers were conferred.

A director of a Cayman Islands company also owes the company a duty to act with skill, care and diligence. A director need not exhibit in the performance of his or her duties a greater degree of skill than may reasonably be expected from a person of his or her knowledge and experience.

The Companies Law of the Cayman Islands has no equivalent provision to Delaware law regarding the limitation of director's liability. However, as a matter of public policy, Cayman Islands law will not allow the limitation of a director's liability to the extent that the liability is a consequence of the director committing a crime or of the director's own actual fraud, dishonesty or willful default.

	<u>Delaware</u>	<u>Cayman Islands</u>
<i>Indemnification of Directors, Officers, Agents, and Others</i>	<p>A corporation has the power to indemnify any director, officer, employee, or agent of corporation who was, is, or is threatened to be made a party who acted in good faith and in a manner he believed to be in the best interests of the corporation, and if with respect to a criminal proceeding, had no reasonable cause to believe his conduct would be unlawful, against amounts actually and reasonably incurred.</p>	<p>Cayman Islands law does not limit the extent to which a company's articles of association may provide for indemnification of directors and officers, except to the extent any such provision may be held by the Cayman Islands courts to be contrary to public policy, such as to provide indemnification against the consequences of committing a crime, or against the indemnified person's own actual fraud, dishonesty or willful default.</p>
<i>Interested Directors</i>	<p>Under Delaware law, subject to provisions in the certificate of incorporation, a transaction in which a director who has an interest in such transaction would not be voidable if (i) the material facts as to such interested director's relationship or interests are disclosed or are known to the board of directors and the board in good faith authorizes the transaction by the affirmative vote of a majority of the disinterested directors, even though the disinterested directors are less than a quorum, (ii) such material facts are disclosed or are known to the shareholders entitled to vote on such transaction and the transaction is specifically approved in good faith by vote of the shareholders, or (iii) the transaction is fair as to the corporation as of the time it is authorized, approved or ratified. Under Delaware law, a director could be held liable for any transaction in which such director derived an improper personal benefit.</p>	<p>Our articles of association contain provisions that permit a director to vote on a transaction in which he or she is interested provided he or she discloses such interest to the board of directors.</p>
<i>Voting Requirements</i>	<p>The certificate of incorporation may include a provision requiring supermajority approval by the directors or shareholders for any corporate action.</p>	<p>For the protection of shareholders, certain matters must be approved by special resolution of the shareholders, including alteration of the memorandum or articles of</p>

	<u>Delaware</u>	<u>Cayman Islands</u>
	<p>In addition, under Delaware law, certain business combinations involving interested shareholders require approval by a supermajority of the non-interested shareholders.</p>	<p>association, appointment of inspectors to examine company affairs, reduction of share capital (subject, in relevant circumstances, to court approval), change of name, authorization of a plan of merger or transfer by way of continuation to another jurisdiction or consolidation or voluntary winding up the company.</p> <p>The Companies Law of the Cayman Islands requires that a special resolution be passed by a super majority of two-thirds or such higher percentage as set forth in the articles of association, of shareholders being entitled to vote and do vote in person or by proxy at a general meeting or by way of unanimous written consent.</p>
<i>Voting for Directors</i>	<p>Under Delaware law, unless otherwise specified in the certificate of incorporation or bylaws of the corporation, directors shall be elected by a plurality of the votes of the shares present in person or represented by proxy at the meeting and entitled to vote on the election of directors.</p>	<p>The Companies Law of the Cayman Islands defines “special resolutions” only. A company’s articles of association can therefore tailor the definition of “ordinary resolution” as a whole, or with respect to specific provisions. Our articles of association provide that with respect to the election of directors, an ordinary resolution shall be passed by a majority of the votes cast by such members as being entitled to vote in person or by proxy or by way of unanimous written consent.</p>
<i>Cumulative Voting</i>	<p>No cumulative voting for the election of directors unless so provided in the certificate of incorporation.</p>	<p>No cumulative voting for the election of directors unless so provided in the articles of association.</p>
<i>Directors’ Powers Regarding Bylaws</i>	<p>The certificate of incorporation may grant the directors the power to adopt, amend or repeal bylaws.</p>	<p>The memorandum and articles of association may only be amended by a special resolution of the shareholders.</p>

	<u>Delaware</u>	<u>Cayman Islands</u>
<i>Nomination and Removal of Directors and Filling Vacancies on Board</i>	Shareholders may generally nominate directors if they comply with advance notice provisions and other procedural requirements in company bylaws. Holders of a majority of the shares may remove a director with or without cause, except in certain cases involving a classified board or if the company uses cumulative voting. Unless otherwise provided for in the certificate of incorporation, directorship vacancies are filled by a majority of the directors elected or then in office.	Nomination and removal of directors and filling of board vacancies are governed by the terms of the articles of association. Our articles of association provide that only shareholders that hold more than 15% of our outstanding ordinary shares (unless the Exchange Act and proxy rules provide otherwise) and comply with our advance notice provisions may nominate directors. These provisions will not apply to nominations by Francisco Partners pursuant to the terms of our articles of association. Our articles of association also provide that shareholders may only remove directors for cause and with a special resolution of two-thirds, provided that, prior to the first date on which Francisco Partners and its affiliates cease to beneficially own at least 30% of our ordinary shares, a director may be removed with or without cause upon the affirmative vote of Francisco Partners and its affiliates which beneficially own ordinary shares. Under our articles of association, vacancies on the board are generally filled by the vote of a majority of the directors elected or then in office, subject to the rights of Francisco Partners.
<i>Mergers and Similar Arrangements</i>	Under Delaware law, with certain exceptions, a merger, consolidation, exchange or sale of all or substantially all the assets of a corporation must be approved by the board of directors and a majority of the outstanding shares entitled to vote thereon. Under Delaware law, a shareholder of a corporation participating in certain major corporate transactions may, under certain circumstances, be	Cayman Islands Companies Law provides for mergers and consolidations where two or more companies are being formed into a single entity. The legislation makes a distinction between a “consolidation” and a “merger”. In a consolidation, a new entity is formed from the combination of each participating company, and the separate consolidating parties,

<u>Delaware</u>	<u>Cayman Islands</u>
<p>entitled to appraisal rights pursuant to which such shareholder may receive cash in the amount of the fair value of the shares held by such shareholder (as determined by a court) in lieu of the consideration such shareholder would otherwise receive in the transaction.</p> <p>Delaware law also provides that a parent corporation, by resolution of its board of directors, may merge with any subsidiary, of which it owns at least 90% of each class of capital stock without a vote by shareholders of such subsidiary. Upon any such merger, dissenting shareholders of the subsidiary would have appraisal rights.</p>	<p>as a consequence, cease to exist and are each stricken by the Registrar of Companies. In a merger, one company remains as the surviving entity, having in effect absorbed the other merging parties that are then stricken and cease to exist.</p> <p>Two or more Cayman-registered companies may merge or consolidate. Cayman-registered companies may also merge or consolidate with foreign companies provided that the laws of the foreign jurisdiction permit such merger or consolidation.</p> <p>Under Cayman Islands Companies Law, a plan of merger or consolidation shall be authorized by each constituent company by way of (i) a special resolution of the members of each such constituent company; and (ii) such other authorization, if any, as may be specified in such constituent company's articles of association.</p> <p>Shareholder approval is not required where a parent company registered in the Cayman Islands seeks to merge with one or more of its subsidiaries registered in the Cayman Islands and a copy of the plan of merger is given to every member of each subsidiary company to be merged unless that member agrees otherwise.</p> <p>Where the merger or consolidation involves a foreign company, the procedure is similar, save that with respect to the foreign company, the director of the Cayman Islands company is required to make a declaration to the effect that, having made due enquiry, he is of the opinion that the</p>

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Delaware

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requirements set out below have been met: (i) that the merger or consolidation is permitted or not prohibited by the constitutional documents of the foreign company and by the laws of the jurisdiction in which the foreign company is incorporated, and that those laws and any requirements of those constitutional documents have been or will be complied with; (ii) that no petition or other similar proceeding has been filed and remains outstanding or order made or resolution adopted to wind up or liquidate the foreign company in any jurisdictions; (iii) that no receiver, trustee, administrator or other similar person has been appointed in any jurisdiction and is acting in respect of the foreign company, its affairs or its property or any part thereof; (iv) that no scheme, order, compromise or other similar arrangement has been entered into or made in any jurisdiction whereby the rights of creditors of the foreign company are and continue to be suspended or restricted.

Where the surviving company is the Cayman Islands company, the director of the Cayman Islands company is further required to make a declaration to the effect that, having made due enquiry, he is of the opinion that the requirements set out below have been met: (i) that the foreign company is able to pay its debts as they fall due and that the merger or consolidated is bona fide and not intended to defraud unsecured creditors of the foreign company; (ii) that in respect of the transfer of any security interest granted by the

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Cayman Islands

foreign company to the surviving or consolidated company (a) consent or approval to the transfer has been obtained, released or waived; (b) the transfer is permitted by and has been approved in accordance with the constitutional documents of the foreign company; and (c) the laws of the jurisdiction of the foreign company with respect to the transfer have been or will be complied with; (iii) that the foreign company will, upon the merger or consolidation becoming effective, cease to be incorporated, registered or exist under the laws of the relevant foreign jurisdiction; and (iv) that there is no other reason why it would be against the public interest to permit the merger or consolidation.

Secured creditors must consent to the merger although application can be made to the Grand Court of the Cayman Islands to proceed if such secured creditor does not grant its consent to the merger. Where a foreign company wishes to merge with a Cayman company, consent or approval to the transfer of any security interest granted by the foreign company to the resulting Cayman entity in the transaction is required, unless otherwise released or waived by the secured party. If the merger plan is approved, it is then filed with the Cayman Islands General Registry along with a declaration by a director of each company. The Registrar of Companies will then issue a certificate of merger which shall be prima facie evidence of compliance with all requirements of the Companies Law in respect

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Cayman Islands

of the merger or consolidation. The surviving entity remains active while the other company or companies are automatically dissolved. Where the above procedures are adopted, the Companies Law provides for a right of dissenting shareholders to be paid a payment of the fair value of his shares upon their dissenting to the merger or consolidation if they follow a prescribed procedure. In essence, that procedure is as follows (a) the shareholder must give his written objection to the merger or consolidation to the constituent company before the vote on the merger or consolidation, including a statement that the shareholder proposes to demand payment for his shares if the merger or consolidation is authorized by the vote; (b) within 20 days following the date on which the merger or consolidation is approved by the shareholders, the constituent company must give written notice to each shareholder who made a written objection; (c) a shareholder must within 20 days following receipt of such notice from the constituent company, give the constituent company a written notice of his intention to dissent including, among other details, a demand for payment of the fair value of his shares; (d) within seven days following the date of the expiration of the period set out in paragraph (b) above or seven days following the date on which the plan of merger or consolidation is filed, whichever is later, the constituent company, the surviving company or the consolidated company must make a written offer to each

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Delaware

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Cayman Islands

dissenting shareholder to purchase his shares at a price that the company determines is the fair value and if the company and the shareholder agree the price within 30 days following the date on which the offer was made, the company must pay the shareholder such amount; (e) if the company and the shareholder fail to agree a price within such 30 day period, within 20 days following the date on which such 30 day period expires, the company (and any dissenting shareholder) must file a petition with the Cayman Islands Grand Court to determine the fair value and such petition must be accompanied by a list of the names and addresses of the dissenting shareholders with whom agreements as to the fair value of their shares have not been reached by the company. At the hearing of that petition, the court has the power to determine the fair value of the shares together with a fair rate of interest, if any, to be paid by the company upon the amount determined to be the fair value.

Any dissenting shareholder whose name appears on the list filed by the company may participate fully in all proceedings until the determination of fair value is reached. These rights of a dissenting shareholder are not be available in certain circumstances, for example, to dissenters holding shares of any class in respect of which an open market exists on a recognized stock exchange or recognized interdealer quotation system at the relevant date or where the consideration for such shares to be contributed are shares of any company listed on a national

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Delaware

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Cayman Islands

securities exchange or shares of the surviving or consolidated company.

Cayman companies may also be restructured or amalgamated under supervision of the Grand Court of the Cayman Islands by way of a "scheme of arrangement". This option is not used with any frequency because a business transaction can be achieved through other means, such as a share capital exchange, merger (as described above), asset acquisition or control, through contractual arrangements, of an operating business. In the event that a business transaction is sought pursuant to a scheme of arrangement it would require the approval of a majority, in number, of each class of shareholders and creditors with whom the arrangement is to be made and who must in addition represent three-fourths in value of each such class of shareholders or creditors, as the case may be, that are present and voting either in person or by proxy at a meeting, or meeting summoned for that purpose.

The convening of the meetings and subsequently the terms of the arrangement must be sanctioned by the Grand Court of the Cayman Islands. While a dissenting shareholder would have the right to express to the Court the view that the transaction ought not be approved, the Court can be expected to approve the arrangement if it satisfies itself that:

- the company is not proposing to act illegally or beyond the scope of its

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Delaware

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Cayman Islands

authority and the statutory provisions as to majority vote have been complied with;

- the shareholders and creditors (as applicable) have been fairly represented at the meeting in question; and
- the arrangement is such as a businessman would reasonably approve; and the arrangement is not one that would more properly be sanctioned under some other provision of the Companies Law of the Cayman Islands or that would amount to a “fraud on the minority” (a legal concept, different than “fraud” in the sense of dishonesty).

When a takeover offer is made and accepted by holders of 90% of the shares to whom the offer is made within four months, the offeror may, within a two-month period, require the holders of the remaining shares to transfer such shares on the terms of the offer. An objection may be made to the Grand Court of the Cayman Islands but is unlikely to succeed unless there is evidence of fraud, bad faith or collusion.

If the arrangement and reconstruction are thus approved, any dissenting shareholders would have no rights comparable to appraisal rights, which would otherwise ordinarily be available to dissenting shareholders of United States corporations, providing rights to receive payment in cash for the judicially determined value of the shares.

*Shareholder Suits*

**Delaware**

Class actions and derivative actions generally are available to shareholders under Delaware law for, among other things, breach of fiduciary duty, corporate waste and actions not taken in accordance with applicable law. In such actions, the court generally has discretion to permit the winning party to recover attorneys' fees incurred in connection with such action.

**Cayman Islands**

The rights of shareholders under Cayman Islands law are not as extensive as those under Delaware law. Class actions are generally not available to shareholders under Cayman Islands laws and our Cayman Islands counsel is not aware of a significant number of such reported actions having been brought in Cayman Islands courts. Derivative actions have been brought in the Cayman Islands courts and the Cayman Islands courts have confirmed the availability for such actions. In principle, we will normally be the proper plaintiff in any claim based on a breach of duty owed to us and a derivative action may not be brought by a minority shareholder. However, the Cayman Islands courts would ordinarily be expected to follow English case law precedent, which would permit a shareholder to commence an action in the company's name to remedy a wrong done to it where the act complained of is alleged to be beyond the company's corporate power or is illegal or would result in the violation of its memorandum of association or articles of association or where the individual rights of the plaintiff shareholder have been infringed or are about to be infringed. Furthermore, consideration would be given by the court to acts that are alleged to constitute a "fraud on the minority" or where an act requires the approval of a greater percentage of shareholders than actually approved it. The winning party in such an action generally would be able to recover a portion of attorney's fees incurred in connection with such action.

	<u>Delaware</u>	<u>Cayman Islands</u>
<i>Inspection of Corporate Records</i>	Under Delaware law, shareholders of a Delaware corporation have the right during normal business hours to inspect for any proper purpose, and to obtain copies of list(s) of shareholders and other books and records of the corporation and its subsidiaries, if any, to the extent the books and records of such subsidiaries are available to the corporation.	Shareholders of a Cayman Islands company have no general right under Cayman Islands law to inspect or obtain copies of a list of shareholders or other corporate records of the company. However, these rights may be provided in the company's articles of association. Under our articles of association, shareholders will not have any rights to inspect or obtain copies of shareholder lists or other corporate records, provided that a list of shareholders will be made available at our principal executive office or other specified location for ten business days prior to each general meeting of shareholders.
<i>Shareholder Proposals</i>	Unless provided in the corporation's certificate of incorporation or bylaws, Delaware law does not include a provision restricting the manner in which shareholders may bring business before a meeting.	The Companies Law of the Cayman Islands does not provide shareholders any right to bring business before a meeting or requisition a general meeting. However, these rights may be provided in the company's articles of association. Our articles of association provide that only shareholders that comply with our advance notice provisions may submit proposals to be brought before a meeting. The advance notice provisions do not apply to Francisco Partners.
<i>Approval of Corporate Matters by Written Consent</i>	Delaware law permits shareholders to take action by written consent signed by the holders of outstanding shares having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting of shareholders.	The Companies Law of the Cayman Islands allows a special resolution to be passed in writing if signed by all the shareholders and authorized by the articles of association. Our articles of association authorize such written consents while we are a "controlled company", but we believe that the unanimity requirement will make this option impractical.

	Delaware	Cayman Islands
<i>Calling of Special Shareholders Meetings</i>	Delaware law permits the board of directors or any person who is authorized under a corporation's certificate of incorporation or bylaws to call a special meeting of shareholders.	after the consummation of this offering. Written consents are not authorized if we are not a "controlled company".  The Companies Law of the Cayman Islands does not have provisions governing the proceedings of shareholders meetings which are usually provided in the articles of association.  Our articles of association allow only a majority of our directors or the chairman of our board of directors to call extraordinary general meetings.

**Registration Rights**

For information on registration rights, please see "Certain Relationships and Related Party Transactions—Investor Rights Agreement."

**Certain Effects of Authorized but Unissued Stock**

Upon completion of this offering, we will have 175,229,111 ordinary shares remaining authorized but unissued. Authorized but unissued ordinary shares are available for future issuance without shareholder approval. Issuance of these shares will dilute your percentage ownership in us.

**Transfer Agent and Registrar**

The transfer agent and registrar for our ordinary shares is Broadridge Corporate Issuer Solutions, Inc. Its address is 1717 Arch Street, Suite 1300, Philadelphia, PA 19103.

**Listing**

Our ordinary shares are listed on the NASDAQ Global Select Market under the symbol "ICHR."

## SHARES ELIGIBLE FOR FUTURE SALE

Future sales of substantial amounts of our ordinary shares in the public market, or the perception that such sales may occur, could adversely affect the prevailing market price of our ordinary shares. No prediction can be made as to the effect, if any, future sales of shares, or the availability of shares for future sales, will have on the market price of our ordinary shares prevailing from time to time. We also cannot predict with certainty when or if Francisco Partners will otherwise sell its ordinary shares. The sale of substantial amounts of our ordinary shares in the public market, or the perception that such sales could occur, could harm the prevailing market price of our ordinary shares.

As a result of the lock-up agreements, other contractual restrictions on resale and the provisions of Rule 144, described below, the 6,759,445 ordinary shares sold in our initial public offering and the 4,500,000 ordinary shares to be sold in this offering will be freely tradable without restriction or further registration under the Securities Act.

### Sale of Restricted Shares

Upon completion of this offering, we will have 24,794,589 ordinary shares issued and outstanding. All of the ordinary shares sold in or initial public offering or in this offering will be freely tradable without restriction or further registration under the Securities Act, except that any shares purchased by or owned by our “affiliates,” as that term is defined in Rule 144 under the Securities Act, may generally only be sold publicly in compliance with the limitations of Rule 144 described below. As defined in Rule 144, an affiliate of an issuer is a person that directly or indirectly, through one or more intermediaries, controls, or is controlled by or is under common control with, such issuer. Immediately following the completion of this offering, Francisco Partners will own approximately 53.9% of our outstanding ordinary shares (or approximately 51.5% if the underwriters exercise in full their option to purchase additional shares from the selling shareholders). Shares held by Francisco Partners will be “restricted securities” as that term is used in Rule 144. Subject to contractual restrictions, including the lock-up agreements described below, Francisco Partners will be entitled to sell these shares in the public market only if the sale of such shares is registered with the SEC or if the sale of such shares qualifies for an exemption from registration under Rule 144 or any other applicable exemption under the Securities Act. At such time as these restricted shares become unrestricted and available for sale, the sale of these restricted shares, whether pursuant to Rule 144 or otherwise, may have a negative effect on the price of our ordinary shares.

### Rule 144

In general, under Rule 144 of the Securities Act as currently in effect, once we have been subject to public company reporting requirements for at least 90 days, a person who is not deemed to have been one of our affiliates for purposes of the Securities Act at any time during 90 days preceding a sale and who has beneficially owned the shares proposed to be sold for at least six months, including the holding period of any prior owner other than our affiliates, is entitled to sell such shares without complying with the manner of sale, volume limitation or notice provisions of Rule 144, subject to compliance with the public information requirements of Rule 144. If such a person has beneficially owned the shares proposed to be sold for at least one year, including the holding period of any prior owner other than our affiliates, then such person is entitled to sell such shares without complying with any of the requirements of Rule 144.

In general, under Rule 144 as currently in effect, our affiliates or persons selling shares on behalf of our affiliates are entitled to sell within any three-month period beginning 90 days after the date of this prospectus, a number of shares that does not exceed the greater of:

- 1% of the number of ordinary shares then outstanding; or

- the average weekly trading volume of the ordinary shares during the four calendar weeks preceding the filing of a notice on Form 144 with respect to such sale.

Rule 144 also provides that a person who is not deemed to have been an affiliate of ours at any time during the three months preceding a sale and who has for at least six months beneficially owned our ordinary shares that are restricted securities, will be entitled to freely sell such ordinary shares subject only to the availability of current public information regarding us. A person who is not deemed to have been an affiliate of ours at any time during the three months preceding a sale and who has beneficially owned for at least one year our ordinary shares that are restricted securities, will be entitled to freely sell such ordinary shares under Rule 144 without regard to the current public information requirements of Rule 144.

### **Registration Rights**

As described above in “Certain Relationships and Related Party Transactions—Investor Rights Agreement,” subject to the 180-day and 90-day lock-up periods described above, as applicable, Francisco Partners will be entitled, subject to certain exceptions, to certain rights with respect to the registration under the Securities Act of the ordinary shares held by them. By exercising their registration rights and causing a large number of shares to be registered and sold in the public market, Francisco Partners could cause the price of the ordinary shares to fall. In addition, any demand to include such shares in our registration statements could have a material adverse effect on our ability to raise needed capital. We have not granted any other holders of our securities any registration rights other than pursuant to the Registration Rights Agreement.

### **Equity Compensation Plans**

We have filed a registration statement on Form S-8 which registered the issuance of an aggregate of 1,888,000 ordinary shares initially reserved for issuance under our equity compensation plans. Shares registered under such registration statement will be available for sale in the open market following the effective date, unless such shares are subject to vesting restrictions with us, Rule 144 restrictions applicable to our affiliates or the lock-up restrictions described below.

### **Lock-Up Agreements**

We, each of our directors and officers and Francisco Partners have agreed that, without the prior written consent of Deutsche Bank Securities Inc. on behalf of the underwriters, we and they will not (subject to certain exceptions), during the period ending (i) 180 days after the date of our IPO prospectus, or 180 days after December 14, 2016, and (ii) 90 days after the date of this prospectus (subject to certain extensions):

- offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any ordinary shares or any other securities convertible into or exercisable or exchangeable for ordinary shares; or
- enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of our ordinary shares; whether any transaction described above is to be settled by delivery of our ordinary shares or such other securities, in cash or otherwise. For additional information with respect to the lock-up agreements entered into in connection with this offering, see “Underwriting.”

## MATERIAL TAX CONSIDERATIONS

### Material Cayman Islands Tax Consequences

The following summary contains a description of certain Cayman Islands tax consequences of the acquisition, ownership and disposition of our ordinary shares, but it does not purport to be a comprehensive description of all the tax considerations that may be relevant to a decision to purchase our ordinary shares. The summary is based upon the tax laws of Cayman Islands and regulations thereunder as of the date hereof, which are subject to change.

If you are considering the purchase of our ordinary shares, you should consult your own tax advisors concerning the particular tax consequences to you of the purchase, ownership and disposition of our ordinary shares, as well as the consequences to you arising under the laws of your country of citizenship, residence or domicile.

#### *Cayman Islands Taxation*

The following is a discussion of certain Cayman Islands income tax consequences of an investment in our ordinary shares. The discussion is a general summary of present law, which is subject to prospective and retroactive change. It is not intended to be tax advice, does not consider any investor's particular circumstances, and does not consider tax consequences other than those arising under Cayman Islands law.

#### *Under Existing Cayman Islands Laws:*

Payments of dividends and capital in respect of our ordinary shares will not be subject to taxation in the Cayman Islands and no withholding will be required on the payment of interest and principal or a dividend or capital to any holder of our ordinary shares, as the case may be, nor will gains derived from the disposal of our ordinary shares be subject to Cayman Islands income or corporation tax. The Cayman Islands currently have no income, corporation or capital gains tax and no estate duty, inheritance tax or gift tax.

No stamp duty is payable in respect of the issue of ordinary shares or on an instrument of transfer in respect of an ordinary share.

The Company has been incorporated under the laws of the Cayman Islands as an exempted company with limited liability and, as such, has applied for and has received an undertaking from the Governor in Cabinet of the Cayman Islands in the following form:

#### The Tax Concessions Law

(2011 Revision)

#### Undertaking as to Tax Concessions

In accordance with Section 6 of the Tax Concessions Law (2011 Revision) the Governor in Cabinet undertakes with us:

- (a) that no Law which is hereafter enacted in the Islands imposing any tax to be levied on profits, income, gains or appreciations shall apply to us or our operations; and
- (b) in addition, that no tax to be levied on profits, income, gains or appreciations or which is in the nature of estate duty or inheritance tax shall be payable:
  - (i) on or in respect of our shares, debentures or other obligations; or
  - (ii) by way of the withholding in whole or part, of any relevant payment as defined in Section 6(3) of the Tax Concessions Law (2011 Revision).

These concessions shall be for a period of TWENTY years from the 22nd day of September 2015.

### **Material U.S. Federal Income Tax Consequences**

Subject to the limitations and qualifications stated herein, this discussion sets forth a summary of material U.S. federal income tax consequences to U.S. Holders (as defined below) of the purchase, ownership and disposition of the ordinary shares. The discussion is based on the U.S. Internal Revenue Code of 1986, as amended, its legislative history, existing and proposed regulations thereunder, published rulings and court decisions, all as currently in effect and all subject to change at any time, possibly with retroactive effect. We cannot assure you that a change in law will not alter significantly the tax consequences described in this summary. We have not sought and do not expect to seek any rulings from the U.S. Internal Revenue Service, or the IRS, regarding the matters discussed below. There can be no assurance that the IRS will not take positions concerning the tax consequences of the purchase, ownership or disposition of our ordinary shares that differ from those discussed below.

The discussion of holders' tax consequences addresses only those persons that acquire their ordinary shares in this offering and that hold those ordinary shares as capital assets (generally, property held for investment) and does not address the tax consequences to any special class of holder, including without limitation, holders of (directly, indirectly or constructively) 10% or more of the ordinary shares, dealers in securities or currencies, banks, tax-exempt organizations, life insurance companies, financial institutions, broker-dealers, regulated investment companies, real estate investment trusts, traders in securities that elect the mark-to-market method of accounting for their securities holdings, persons that hold securities that are a hedge or that are hedged against currency or interest rate risks or that are part of a straddle, conversion or "integrated" transaction, persons holding ordinary shares through a bank, financial institution or other entity, or a branch thereof, located, organized or resident outside the United States, certain U.S. expatriates, persons who acquired ordinary shares pursuant to the exercise of an employee stock option or otherwise as compensation, partnerships or other entities classified as partnerships for U.S. federal income tax purposes and U.S. Holders (as defined below) whose functional currency for U.S. federal income tax purposes is not the U.S. dollar. This discussion does not address the effect of the U.S. federal alternative minimum tax, or U.S. federal estate and gift tax, or any state, local or foreign tax laws on a holder of ordinary shares.

For purposes of this discussion, a "U.S. Holder" is a beneficial owner of ordinary shares that is for U.S. federal income tax purposes:

- an individual who is a citizen or resident of the United States;
- a corporation (or other entity taxable as a corporation for U.S. federal income tax purposes) created or organized in or under the laws of the United States, any state thereof or the District of Columbia;
- an estate the income of which is subject to U.S. federal income taxation regardless of its source; or
- a trust (i) if a court within the U.S. can exercise primary supervision over its administration, and one or more U.S. persons have the authority to control all of the substantial decisions of that trust, or (ii) that was in existence on August 20, 1996, and validly elected under applicable Treasury Regulations to continue to be treated as a domestic trust.

If a partnership or any entity or arrangement that is treated as a partnership for U.S. federal income tax purposes holds our ordinary shares, the tax treatment of a partner in the partnership will generally depend upon the status of the partner, the activities of the partnership and certain determinations made at the partner level. Partners in partnerships that hold our ordinary shares should consult their tax advisors.

If you are considering the purchase of our ordinary shares, you should consult your own tax advisors concerning the particular U.S. federal income tax consequences to you of the purchase, ownership and disposition of our ordinary shares, as well as the consequences to you arising under other U.S. federal tax laws and the laws of any other applicable taxing jurisdiction and any applicable tax treaty in light of your particular circumstances.

#### *Dividends and Other Distributions*

As described in the section titled “Dividend Policy,” we do not currently anticipate that we will pay any cash dividends on our ordinary shares for the foreseeable future. However, subject to the discussion below on the passive foreign investment company rules, if we do make distributions of cash or other property in respect of our ordinary shares, the U.S. dollar amount of the gross amount of any such distribution will be taxable as a dividend, to the extent paid out of our current or accumulated earnings and profits (as determined under U.S. federal income tax principles). Such income will be includable in your gross income on the day actually or constructively received by you. To the extent the amount of the distribution exceeds our current and accumulated earnings and profits (as determined under U.S. federal income tax principles), such excess amount will be treated first as a tax-free return of your tax basis in your ordinary shares, and then, to the extent such excess amount exceeds your tax basis in your ordinary shares, as capital gain. The Company, however, may not calculate earnings and profits in accordance with U.S. federal tax principles. In that case, the Company intends to treat the full amount of any distribution by the Company to U.S. Holders as a dividend for U.S. federal income tax purposes. U.S. Holders of the ordinary shares that are corporations generally will not be entitled to claim a “dividends received deduction” with respect to dividends paid on the ordinary shares.

Dividends received by a non-corporate U.S. Holder, including an individual, may qualify for the lower rates of tax applicable to “qualified dividend income,” provided that (1) our ordinary shares are readily tradable on an established securities market in the United States and (2) we are not a passive foreign investment company for our taxable year in which the dividend is paid and the preceding taxable year. Under a published IRS Notice, common or ordinary shares are considered to be readily tradable on an established securities market in the United States if they are listed on the NASDAQ Global Select Market, as our ordinary shares are. Accordingly, subject to the passive foreign investment company risk discussed below (see “—Passive Foreign Investment Company”), dividends paid to a non-corporate U.S. Holder with respect to ordinary shares for which the requisite holding period is satisfied should be eligible for the preferential tax rates applicable to qualified dividend income.

Even if dividends would otherwise be eligible for the preferential tax rates applicable to qualified dividend income, a non-corporate U.S. Holder will not be eligible for the reduced rates of taxation if the non-corporate U.S. Holder does not hold our Shares for more than 60 days during the 121-day period beginning 60 days before the ex-dividend date or if the non-corporate U.S. Holder elects to treat the dividend income as “investment income” pursuant to Section 163(d)(4) of the Code. In addition, the rate reduction will not apply to dividends of a qualified foreign corporation if the non-corporate U.S. Holder receiving the dividend is obligated to make related payments with respect to positions in substantially similar or related property.

You should consult your own tax advisors regarding the availability of the lower tax rates applicable to qualified dividend income for any dividends that we pay with respect to the ordinary shares, as well as the effect of any change in applicable law.

#### *Disposition of the Ordinary Shares*

You will recognize gain or loss on a sale or exchange of our ordinary shares in an amount equal to the difference between the amount realized (in U.S. dollars) on the sale or exchange and your tax basis (in U.S. dollars) in the ordinary shares. Subject to the passive foreign investment company rules discussed below, such gain or loss generally will be capital gain or loss. If you are a non-corporate U.S. Holder, including an individual, that has held the ordinary shares for more than one year at the time of the same or exchange, you will be eligible for reduced tax rates with respect to such gain. The deductibility of capital losses is subject to limitations.

Any gain or loss that you recognize on a disposition of our ordinary shares generally will be treated as U.S.-source income or loss for foreign tax credit limitation purposes. You should consult your own tax advisors regarding the proper treatment of gain or loss, as well as the availability of a foreign tax credit, in your particular circumstances.

#### *Passive Foreign Investment Company*

Based on the value of our assets and the composition of our income and assets, we do not believe we were treated as a passive foreign investment company, or PFIC, for U.S. federal income purposes for our taxable year ended December 30, 2016. However, the determination of PFIC status is based on an annual determination that cannot be made until the close of a taxable year, involves extensive factual investigation, including ascertaining the fair market value of all of our assets on a quarterly basis and the character of each item of income that we earn, and is subject to uncertainty in several respects. Accordingly, we cannot assure you that we will not be treated as a PFIC for our current taxable year ending December 29, 2017, or for any future taxable year, or that the IRS will not take a contrary position. Kirkland & Ellis LLP, our U.S. tax counsel, therefore expresses no opinion with respect to our PFIC status for any taxable year.

A non-U.S. corporation will be treated as a PFIC for U.S. federal income tax purposes for any taxable year if, applying applicable look-through rules, either:

- at least 75% of its gross income for such year is passive income; or
- at least 50% of the value of its assets (determined based on a quarterly average) during such year is attributable to assets that produce or are held for the production of passive income.

For these purposes, we will be treated as owning a proportionate share of the assets and earning a proportionate share of the income of any other corporation in which we own, directly or indirectly, at least 25% by value of the stock. Subject to various exceptions, passive income generally includes dividends, interest, royalties and rents (other than certain royalties and rents derived in the active conduct of a trade or business and not derived from a related person).

We must make a separate determination each year as to whether we are a PFIC. As a result, our PFIC status may change. If we are a PFIC for any taxable year during which you hold ordinary shares, we generally will continue to be treated as a PFIC for all succeeding years during which you hold the ordinary shares. However, if we cease to be a PFIC, you may avoid some of the adverse effects of the PFIC regime by making a "deemed sale" election with respect to the ordinary shares, as applicable.

If we are or become a PFIC in a taxable year in which we pay a dividend or the prior taxable year, the preferential tax rates discussed above with respect to dividends paid to non-corporate U.S. Holders would not apply. In addition, if we are a PFIC for any taxable year during which you hold ordinary shares, in the absence of a “qualified electing fund” election (which, as noted below, will not be available to you), you will be subject to special tax rules with respect to any “excess distribution” that you receive and any gain you realize from a sale or other disposition (including a pledge) of the ordinary shares, unless you make a “mark-to-market” election as discussed below. Distributions you receive in a taxable year that are greater than 125% of the average annual distributions you received during the shorter of the three preceding taxable years or your holding period for the ordinary shares will be treated as an excess distribution. Under these special tax rules:

- the excess distribution or gain will be allocated ratably over your holding period for the ordinary shares,
- the amount allocated to the current taxable year, and any taxable year prior to the first taxable year in which we became a PFIC, will be treated as ordinary income, and
- the amount allocated to each other year will be subject to the highest ordinary income tax rate in effect for individuals or corporations, as applicable, for each such year and the interest charge generally applicable to underpayments of tax will be imposed on the resulting tax attributable to each such year.

The tax liability for amounts allocated to years prior to the year of disposition or “excess distribution” cannot be offset by any net operating losses for such years, and gains (but not losses) realized on the sale of the ordinary shares cannot be treated as capital, even if you hold the ordinary shares as capital assets.

Under attribution rules, if we are treated as a PFIC with respect to you for any taxable year, to the extent any of our subsidiaries are also PFICs, you will be deemed to own shares in such lower-tier PFICs that are directly or indirectly owned by us in the proportion that the value of the ordinary shares you own bears to the value of all of our ordinary shares, and you may be subject to the rules described in the preceding paragraphs with respect to the shares of such lower-tier PFICs you are deemed to own. You should consult your own tax advisor regarding the application of the PFIC rules to any of our subsidiaries.

In certain circumstances, a U.S. Holder of shares in a PFIC may avoid the adverse tax consequences described above by making a “qualified electing fund” election to include in income its share of the corporation’s income on a current basis. However, you may make a qualified electing fund election with respect to your ordinary shares only if we agree to furnish you annually with a PFIC annual information statement as specified in the applicable Treasury regulations. We currently do not intend to prepare or provide the information that would enable you to make a qualified electing fund election.

Alternatively, a U.S. Holder of “marketable stock” (as defined below) in a PFIC may make a mark-to-market election with respect to such stock to elect out of the tax treatment discussed above. If you make a valid mark-to-market election for the ordinary shares you will include in income each year an amount equal to the excess, if any, of the fair market value of the ordinary shares as of the close of your taxable year over your adjusted basis in such ordinary shares. You are allowed a deduction for the excess, if any, of the adjusted basis of the ordinary shares over their fair market value as of the close of the taxable year. However, deductions are allowable only to the extent of any net mark-to-market gains on the ordinary shares included in your income for prior taxable years. Amounts included in your income under a mark-to-market

election, as well as gain on the actual sale or other disposition of the ordinary shares, are treated as ordinary income. Ordinary loss treatment also applies to the deductible portion of any mark-to-market loss on the ordinary shares, as well as to any loss realized on the actual sale or disposition of the ordinary shares, to the extent that the amount of such loss does not exceed the net mark-to-market gains previously included for such ordinary shares. Your basis in the ordinary shares will be adjusted to reflect any such income or loss amounts. If you make such an election, the tax rules that apply to distributions by corporations that are not PFICs would apply to distributions by us, except that the preferential tax rate discussed above under “—Dividends and Other Distributions” would not apply.

The mark-to-market election is available only for “marketable stock,” which is stock that is traded in other than de minimis quantities, or regularly traded, on at least 15 days during each calendar quarter on a qualified exchange or other market, as defined in applicable U.S. Treasury regulations. Our ordinary shares are listed on the NASDAQ Global Select Market, which is a qualified exchange or other market for these purposes. Consequently, as long as our ordinary shares are regularly traded, the mark-to-market election would be available to a holder of our ordinary shares if we become a PFIC. If any of our subsidiaries are or become PFICs, the mark-to-market election will not be available with respect to the shares of such subsidiaries that are treated as owned by you. Consequently, you could be subject to the PFIC rules with respect to income of the lower-tier PFICs the value of which already had been taken into account indirectly via mark-to-market adjustments.

If you hold ordinary shares in any year in which we are a PFIC, you will also be subject to annual information reporting requirements.

The PFIC rules are complex, and you should consult your own tax advisors regarding the application of the PFIC rules to your investment in our ordinary shares and the availability, application and consequences of the elections discussed above.

#### *Information Reporting and Backup Withholding*

Unless an exception applies, information reporting to the IRS generally will be required with respect to payments on the ordinary shares and proceeds of the sale, exchange, redemption or other disposition of the ordinary shares paid to U.S. Holders, other than corporations and other exempt recipients. Backup withholding, currently at the rate of 28%, may apply to those payments if such a holder fails to provide an accurate taxpayer identification number to the paying agent and to certify that no loss of exemption from backup withholding has occurred. The amounts withheld under the backup withholding rules are not an additional tax and may be refunded, or credited against the holder’s U.S. federal income tax liability, if any, provided the required information is furnished to the IRS.

In addition, certain U.S. Holders who are individuals that hold certain foreign financial assets (which may include the ordinary shares), or who have a beneficial interest in or signatory authority over certain foreign financial accounts, are required to report information relating to such assets or accounts, subject to certain exceptions.

You should consult your own tax advisor regarding the application of the information reporting and backup withholding requirements to your particular situation.

#### *Information with Respect to Foreign Financial Assets*

U.S. Holders who are individuals or certain entities generally will be required to report our name, address and such information relating to an interest in the ordinary shares as is

necessary to identify the class or issue of which your ordinary shares are a part. These requirements are subject to exceptions, including an exception for ordinary shares held in accounts maintained by certain financial institutions and an exception applicable if the aggregate value of all "specified foreign financial assets" (as defined in the Code) does not exceed \$50,000.

U.S. Holders should consult their tax advisors regarding the application of these information reporting rules.

*Medicare Tax*

Certain U.S. Holders that are individuals, estates or trusts are required to pay an additional 3.8% tax on, among other things, interest, dividends and gains from the sale or other disposition of capital assets for taxable years beginning after December 31, 2012. Each U.S. Holder that is an individual, estate or trust should consult its own tax advisors regarding the effect, if any, of this tax provision on their ownership and disposition of ordinary shares.

Potential purchasers of our ordinary shares are urged to consult their own tax advisors to determine the U.S. federal, state, local, and non-U.S. income, estate, and other tax and tax treaty considerations of purchasing, owning and disposing of our ordinary shares.

## UNDERWRITING

Subject to the terms and conditions of the underwriting agreement, the underwriters named below, through their representative Deutsche Bank Securities Inc., have severally agreed to purchase from the selling shareholders the following respective number of ordinary shares at a public offering price less the underwriting discounts and commissions listed on the cover page of this prospectus:

<u>Underwriters</u>	<u>Number of Shares</u>
Deutsche Bank Securities Inc.	
Stifel, Nicolaus & Company, Incorporated	
RBC Capital Markets, LLC	
Cowen and Company, LLC	
Needham & Company, LLC	
Total	<u>4,500,000</u>

The underwriting agreement provides that the obligations of the several underwriters to purchase the ordinary shares offered hereby are subject to certain conditions precedent and that the underwriters will purchase all of the ordinary shares offered by this prospectus, other than those covered by the option to purchase additional ordinary shares described below, if any of these shares are purchased.

We and the selling shareholders have been advised by the representative of the underwriters that the underwriters propose to offer the ordinary shares to the public at the public offering price listed on the cover of this prospectus and to dealers at a price that represents a concession not in excess of \$ per share under the public offering price. After the public offering, the representative of the underwriters may change the offering price and other selling terms.

The selling shareholders have granted to the underwriters an option, exercisable not later than 30 days after the date of this prospectus, to purchase up to 675,000 additional ordinary shares at the public offering price less the underwriting discounts and commissions listed on the cover page of this prospectus. The underwriters may exercise this option to purchase additional ordinary shares in connection with the sale of the ordinary shares offered by this prospectus. To the extent that the underwriters exercise this option, each of the underwriters will become obligated, subject to conditions, to purchase approximately the same percentage of these additional ordinary shares as the number of ordinary shares to be purchased by it in the above table bears to the total number of ordinary shares offered by this prospectus. The selling shareholders will be obligated, pursuant to the option, to sell these additional ordinary shares to the underwriters to the extent the option is exercised. If any additional ordinary shares are purchased, the underwriters will offer the additional shares on the same terms as those on which the 4,500,000 shares are being offered.

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The underwriting discounts and commissions per share are equal to the public offering price per ordinary share less the amount paid by the underwriters to the selling shareholders per ordinary share. The underwriting discounts and commissions are % of the public offering price. The offering of the shares by the underwriters is subject to receipt and acceptance and subject to the underwriters' right to reject any order in whole or in part. The selling shareholders have agreed to pay the underwriters the following discounts and commissions, assuming either no exercise or full exercise by the underwriters of the underwriters' option to purchase additional ordinary shares:

	Fee per share	Total Fees	
		Without Exercise of Option	With Full Exercise of Option
Discounts and commissions paid by the selling shareholders	\$	\$	\$

In addition, we estimate the total expenses of this offering, excluding underwriting discounts and commissions, will be approximately \$675,000. We have also agreed to reimburse the underwriters for certain of their expenses in an amount up to \$40,000 as set forth in the underwriting agreement.

We and the selling shareholders have agreed to indemnify the several underwriters against some specified types of liabilities, including liabilities under the Securities Act, and to contribute to payments the underwriters may be required to make in respect of any of these liabilities.

Each of our officers and directors and the selling shareholders have, subject to certain limited exceptions (including sales pursuant to 10b5-1 trading plans adopted by our officers), agreed not to offer, sell, contract to sell or otherwise dispose of, or enter into any transaction that is designed to, or could be expected to, result in the disposition of any ordinary shares or other securities convertible into or exchangeable or exercisable for our ordinary shares or derivatives of our ordinary shares owned by these persons prior to this offering or ordinary shares issuable upon exercise of options held by these persons for a period of 90 days after the effective date of the registration statement of which this prospectus is a part without the prior written consent of Deutsche Bank Securities Inc. This consent may be given at any time without public notice except in limited circumstances. We have entered into a similar agreement with the representative of the underwriters. There are no agreements between the representative and any of our shareholders or affiliates releasing them from these lock-up agreements prior to the expiration of the 90-day period.

The representative of the underwriters has advised us that the underwriters do not intend to confirm sales to any account over which it exercises discretionary authority.

In connection with this offering, the underwriters may purchase and sell our ordinary shares in the open market. These transactions may include short sales, purchases to cover positions created by short sales and stabilizing transactions.

Short sales involve the sale by the underwriters of a greater number of shares than they are required to purchase in this offering. Covered short sales are sales made in an amount not greater than the underwriters' option to purchase additional ordinary shares from the selling shareholders in this offering. The underwriters may close out any covered short position by either exercising their option to purchase additional shares or purchasing shares in the open market. In determining the source of shares to close out the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through their option to purchase additional ordinary shares.

Naked short sales are any sales in excess of the option to purchase additional ordinary shares. The underwriters must close out any naked short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the shares in the open market prior to the completion of this offering.

Stabilizing transactions consist of various bids for or purchases of our ordinary shares made by the underwriters in the open market prior to the completion of this offering.

Purchases to cover a short position and stabilizing transactions may have the effect of preventing or slowing a decline in the market price of our ordinary shares. Additionally, these purchases may stabilize, maintain or otherwise affect the market price of our ordinary shares. As a result, the price of our ordinary shares may be higher than the price that might otherwise exist in the open market. These transactions may be effected on the NASDAQ Global Select Market, in the over-the-counter market or otherwise.

A prospectus in electronic format is being made available on Internet web sites maintained by one or more of the lead underwriters of this offering and may be made available on web sites maintained by other underwriters. Other than the prospectus in electronic format, the information on any underwriter's web site and any information contained in any other web site maintained by an underwriter is not part of the prospectus or the registration statement of which the prospectus forms a part.

The underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include sales and trading, commercial and investment banking, advisory, investment management, investment research, principal investment, hedging, market making, brokerage and other financial and non-financial activities and services. Certain of the underwriters and their respective affiliates have provided, and may in the future provide, a variety of these services to us and to persons and entities having relationships with us, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, the underwriters and their respective affiliates, officers, directors and employees may purchase, sell or hold a broad array of investments and actively trade securities, derivatives, loans, commodities, currencies, credit default swaps and other financial instruments for their own account and for the accounts of their customers, and such investment and trading activities may involve or relate to assets, securities and/or instruments of the issuer (directly, as collateral securing other obligations or otherwise) and/or persons and entities having relationships with us. The underwriters and their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such assets, securities or instruments and may at any time hold, or recommend to clients that they should acquire, long and/or short positions in such assets, securities and instruments.

#### **Notice to Investors in the European Economic Area**

In relation to each Member State of the European Economic Area which has implemented the Prospectus Directive (each, a Relevant Member State), an offer to the public of any shares which are the subject of this offering contemplated by this prospectus may not be made in that Relevant Member State other than the offers contemplated in the prospectus once the prospectus has been approved by the competent authority in such Member State and published and passported in accordance with the Prospectus Directive as implemented in the Relevant Member State except that an offer to the public in that Relevant Member State of any shares

may be made at any time under the following exemptions under the Prospectus Directive, if they have been implemented in that Relevant Member State:

- to legal entities which are authorized or regulated to operate in the financial markets or, if not so authorized or regulated, whose corporate purpose is solely to invest in securities;
- to any legal entity which has two or more of (1) an average of at least 250 employees during the last financial year; (2) a total balance sheet of more than € 43,000,000 and (3) an annual net turnover of more than € 50,000,000, as shown in its last annual or consolidated accounts;
- by the underwriters to fewer than 100 natural or legal persons (other than qualified investors as defined in the Prospectus Directive) subject to obtaining the prior consent of the underwriters for any such offer; or
- in any other circumstances falling within Article 3(2) of the Prospectus Directive,

provided that no such offer of shares shall result in a requirement for the publication by the Issuer or any underwriter of a prospectus pursuant to Article 3 of the Prospectus Directive.

For the purposes of this provision, the expression an “offer to the public” in relation to any shares in any Relevant Member State means the communication in any form and by any means of sufficient information on the terms of the offer and any shares to be offered so as to enable an investor to decide to purchase any shares, as the same may be varied in that member state by any measure implementing the Prospectus Directive in that member state and the expression “Prospectus Directive” means Directive 2003/71/EC and includes any relevant implementing measure in each Relevant Member State.

#### **Notice to Investors in the United Kingdom**

Each underwriter has represented and agreed that (a) it has only communicated and will only communicate or cause to be communicated an invitation or inducement to engage in investment activity (within the meaning of Section 21 of the Financial Services and Markets Act 2000, or the FSMA, received by it in connection with the issue or sale of the shares (i) to investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, or the Order, or (ii) to high net worth entities, and other persons to whom it may lawfully be communicated, falling within Article 49(2)(a) and (d) of the Order, with all such persons together being referred to as relevant persons, and (b) it has complied and will comply with all applicable provisions of the FSMA with respect to anything done by it in relation to the our ordinary shares in, from or otherwise involving the United Kingdom. This prospectus and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other persons in the United Kingdom. Any person in the United Kingdom that is not a relevant person should not act or rely on this document or any of its contents.

#### **Notice to Prospective Investors in Hong Kong**

The shares may not be offered or sold in Hong Kong by means of any document other than (i) in circumstances which do not constitute an offer to the public within the meaning of the Companies Ordinance (Cap. 32, Laws of Hong Kong), or (ii) to “professional investors” within the meaning of the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong) and any rules made thereunder, or (iii) in other circumstances which do not result in the document being a “prospectus” within the meaning of the Companies Ordinance (Cap. 32, Laws of Hong Kong)

and no advertisement, invitation or document relating to the shares may be issued or may be in the possession of any person for the purpose of issue (in each case whether in Hong Kong or elsewhere), which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong (except if permitted to do so under the laws of Hong Kong) other than with respect to shares which are or are intended to be disposed of only to persons outside Hong Kong or only to “professional investors” within the meaning of the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong) and any rules made thereunder.

#### **Notice to Prospective Investors in Singapore**

This prospectus has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this prospectus and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the shares may not be circulated or distributed, nor may the shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act, Chapter 289 of Singapore, or the SFA, (ii) to a relevant person pursuant to Section 275(1), or any person pursuant to Section 275(1A), and in accordance with the conditions specified in Section 275 of the SFA, or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

Where the shares are subscribed or purchased under Section 275 of the SFA by a relevant person which is:

- (a) a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or
- (b) a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor,

securities (as defined in Section 239(1) of the SFA) of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within six months after that corporation or that trust has acquired the shares pursuant to an offer made under Section 275 of the SFA except:

- (1) to an institutional investor or to a relevant person defined in Section 275(2) of the SFA, or to any person arising from an offer referred to in Section 275(1A) or Section 276(4)(i)(B) of the SFA;
- (2) where no consideration is or will be given for the transfer;
- (3) where the transfer is by operation of law;
- (4) as specified in Section 276(7) of the SFA; or
- (5) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore.

#### **Notice to Prospective Investors in Switzerland**

The prospectus does not constitute an issue prospectus pursuant to Article 652a or Article 1156 of the Swiss Code of Obligations, and the shares will not be listed on the SIX Swiss Exchange. Therefore, the prospectus may not comply with the disclosure standards of the Swiss

Code of Obligations and/or the listing rules (including any prospectus schemes) of the SIX Swiss Exchange. Accordingly, the shares may not be offered to the public in or from Switzerland, but only to a selected and limited circle of investors, which do not subscribe to the shares with a view to distribution.

**Notice to Investors in Japan**

The securities have not been and will not be registered under the Financial Instruments and Exchange Law of Japan (the Financial Instruments and Exchange Law) and each underwriter has agreed that it will not offer or sell any securities, directly or indirectly, in Japan or to, or for the benefit of, any resident of Japan (which term as used herein means any person resident in Japan, including any corporation or other entity organized under the laws of Japan), or to others for reoffering or resale, directly or indirectly, in Japan or to a resident of Japan, except pursuant to an exemption from the registration requirements of, and otherwise in compliance with, the Financial Instruments and Exchange Law and any other applicable laws, regulations and ministerial guidelines of Japan.

**Notice to Investors in Canada**

The ordinary shares may be sold in Canada only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 Prospectus Exemptions or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Any resale of the ordinary shares must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws.

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus (including any amendment thereto) contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser's province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser's province or territory for particulars of these rights or consult with a legal advisor.

## LEGAL MATTERS

The validity of the ordinary shares offered pursuant to this prospectus will be passed upon by Maples and Calder, Cayman Islands. Selected legal matters as to U.S. law in connection with this offering will be passed upon by Kirkland & Ellis LLP (a partnership that includes professional corporations), Chicago, Illinois. Certain partners of Kirkland & Ellis LLP are members of a limited partnership that is an investor in one or more investment funds affiliated with Francisco Partners, including Francisco Partners III (Cayman), L.P. Kirkland & Ellis LLP has from time to time represented, and may continue to represent, Francisco Partners and certain affiliated entities in connection with various legal matters. The underwriters have been represented by Latham & Watkins LLP, Menlo Park, California.

## EXPERTS

The consolidated financial statements of Ichor Holdings, Ltd. and its subsidiaries as of December 30, 2016, December 25, 2015 and December 26, 2014 and for each of the years in the three-year period then ended have been included herein and in the registration statement in reliance upon the report of KPMG LLP, independent registered public accounting firm, appearing elsewhere herein, and upon the authority of said firm as experts in accounting and auditing.

## WHERE YOU CAN FIND MORE INFORMATION

We have filed a Registration Statement on Form S-1 with the SEC with respect to our ordinary shares being distributed as contemplated by this prospectus. This prospectus is a part of and does not contain all of the information set forth in the Registration Statement and the exhibits and schedules to the Registration Statement. For further information with respect to us and our ordinary shares, please refer to the Registration Statement, including its exhibits and schedules. Statements made in this prospectus relating to any contract or other document are not necessarily complete and you should refer to the exhibits attached to the Registration Statement for copies of the actual contract or document. You may read and copy all materials that we file with the SEC, including the Registration Statement and its exhibits and schedules, at the SEC's public reference room, located at 100 F Street, N.E., Washington, D.C. 20549, as well as on the website maintained by the SEC at [www.sec.gov](http://www.sec.gov). Please call the SEC at 1-800-SEC-0330 for more information on the public reference room. Information contained on any website referenced in this prospectus does not and will not constitute a part of this prospectus or the Registration Statement on Form S-1 of which this prospectus is a part.

In addition, we are subject to the information and reporting requirements of the Exchange Act and, in accordance with this law, we file periodic reports, proxy statements, and other information with the SEC. These periodic reports, proxy statements, and other information are available for inspection and copying at the SEC's public reference facilities and the website of the SEC referred to above. You may request a copy of any of our filings with the SEC at no cost, by writing or telephoning us at the following address:

ICHOR HOLDINGS, LTD.  
3185 Laurelview Ct.  
Fremont, California 94538

You should rely only on the information contained in this prospectus or to which we have referred you. We have not authorized any person to provide you with different information or to make any representation not contained in this prospectus.

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**Report of Independent Registered Public Accounting Firm**

The Board of Directors and Shareholders

Ichor Holdings, Ltd.:

We have audited the accompanying consolidated balance sheets of Ichor Holdings, Ltd. and its subsidiaries as of December 30, 2016 and December 25, 2015, and the related consolidated statements of operations, shareholders' equity, and cash flows for each of the years in the three-year period ended December 30, 2016. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Ichor Holdings, Ltd. and its subsidiaries as of December 30, 2016 and December 25, 2015, and the results of their operations and their cash flows for each of the years in the three-year period ended December 30, 2016, in conformity with U.S. generally accepted accounting principles.

/s/ KPMG LLP

Portland, Oregon

March 28, 2017

**ICHOR HOLDINGS, LTD.**  
**Consolidated Balance Sheets**  
**(in thousands, except share and per share data)**

	December 30, 2016	December 25, 2015
<b>Assets</b>		
Current assets:		
Cash	\$ 50,854	\$ 24,188
Restricted cash	1,794	—
Accounts receivable, net	26,401	12,394
Inventories	70,881	31,287
Prepaid expenses and other current assets	7,061	3,924
Current assets from discontinued operations	99	16,539
Total current assets	157,090	88,332
Property and equipment, net	12,018	7,482
Other noncurrent assets	3,574	246
Deferred tax assets	570	296
Intangible assets, net	32,146	31,131
Goodwill	77,093	70,015
Non-current assets from discontinued operations	—	521
Total assets	<u>\$ 282,491</u>	<u>\$ 198,023</u>
<b>Liabilities and Shareholders' Equity</b>		
Current liabilities:		
Accounts payable	88,531	42,027
Accrued liabilities	6,554	3,951
Current portion of long-term debt	—	4,550
Customer deposits	—	26
Other current liabilities	5,421	3,063
Current liabilities from discontinued operations	564	9,855
Total current liabilities	101,070	63,472
Long-term debt, net of current portion	37,944	58,038
Deferred tax liabilities	606	495
Other non-current liabilities	1,173	1,254
Non-current liabilities from discontinued operations	39	86
Total liabilities	<u>\$ 140,832</u>	<u>\$ 123,345</u>
Shareholders' equity		
Preferred shares (\$0.0001 par value; 20,000,000 and 150,000,000 shares authorized, respectively; zero and 17,722,808 shares issued and outstanding, respectively)	—	142,728
Ordinary shares (\$0.0001 par value; 200,000,000 and 250,000,000 shares authorized, respectively; 23,857,381 and 65,409 shares issued and outstanding, respectively)	2	—
Additional paid in capital	196,049	3,004
Accumulated deficit	(54,392)	(71,054)
Total shareholders' equity	141,659	74,678
Total liabilities and shareholders' equity	<u>\$ 282,491</u>	<u>\$ 198,023</u>

See accompanying notes to consolidated financial statements.

**ICHOR HOLDINGS, LTD.**  
**Consolidated Statements of Operations**  
**(in thousands, except share and per share data)**

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Net sales	\$ 405,747	\$ 290,641	\$ 249,087
Cost of sales	340,352	242,087	212,747
Gross profit	65,395	48,554	36,340
Operating expenses:			
Research and development	6,383	4,813	3,915
Selling, general, and administrative	28,126	24,729	22,465
Amortization of intangible assets	7,015	6,411	6,411
Total operating expenses	41,524	35,953	32,791
Operating income	23,871	12,601	3,549
Interest expense, net	4,370	3,831	3,118
Other expense (income), net	(629)	(46)	253
Income from continuing operations before income taxes	20,130	8,816	178
Income tax benefit from continuing operations	(649)	(3,991)	(5,604)
Net income from continuing operations	20,779	12,807	5,782
Discontinued operations:			
Income (loss) from discontinued operations before taxes	(4,077)	(7,406)	132
Income tax expense (benefit) from discontinued operations	40	(225)	(254)
Net income (loss) from discontinued operations	(4,117)	(7,181)	386
Net income	16,662	5,626	6,168
Less: Preferred share dividend	—	(22,127)	—
Less: Undistributed earnings attributable to preferred shareholders	(15,284)	—	(6,165)
Net income (loss) attributable to ordinary shareholders	\$ 1,378	\$ (16,501)	\$ 3
Net income (loss) per share from continuing operations attributable to ordinary shareholders:			
Basic	\$ 1.14	\$ (292.39)	\$ 0.36
Diluted	\$ 0.87	\$ (292.39)	\$ 0.16
Net income (loss) per share attributable to ordinary shareholders:			
Basic	\$ 0.92	\$ (517.68)	\$ 0.36
Diluted	\$ 0.70	\$ (517.68)	\$ 0.16
Shares used to compute net income (loss) from continuing operations per share attributable to ordinary shareholders:			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422
Shares used to compute net income (loss) per share attributable to ordinary shareholders:			
Basic	1,503,296	31,875	8,402
Diluted	1,967,926	31,875	18,422

See accompanying notes to consolidated financial statements.

**ICHOR HOLDINGS, LTD.**  
**Consolidated Statements of Shareholders' Equity**  
**(in thousands, except share data)**

	Preferred Shares		Ordinary Shares		Additional Paid-In Capital	Accumulated Deficit	Total Shareholders' Equity
	Shares	Amount	Shares	Amount			
Balance at December 27, 2013	17,722,808	\$ 142,728	—	\$ —	\$ 856	\$ (60,721)	\$ 82,863
Capital contributions	—	—	—	—	19	—	19
Share-based compensation expense	—	—	—	—	1,011	—	1,011
Vesting of restricted shares	—	—	22,377	—	—	—	—
Net income	—	—	—	—	—	6,168	6,168
Balance at December 26, 2014	<u>17,722,808</u>	<u>142,728</u>	<u>22,377</u>	<u>—</u>	<u>1,886</u>	<u>(54,553)</u>	<u>90,061</u>
Share-based compensation expense	—	—	—	—	1,118	—	1,118
Vesting of restricted shares	—	—	43,032	—	—	—	—
Dividend to shareholders	—	—	—	—	—	(22,127)	(22,127)
Net income	—	—	—	—	—	5,626	5,626
Balance at December 25, 2015	<u>17,722,808</u>	<u>142,728</u>	<u>65,409</u>	<u>—</u>	<u>3,004</u>	<u>(71,054)</u>	<u>74,678</u>
Ordinary shares issued, net of transaction costs	—	—	5,877,778	—	47,103	—	47,103
Conversion of preferred shares to ordinary shares	(17,722,808)	(142,728)	17,722,808	2	142,726	—	—
Share-based compensation expense	—	—	—	—	3,216	—	3,216
Vesting of restricted shares	—	—	191,386	—	—	—	—
Net income	—	—	—	—	—	16,662	16,662
Balance at December 30, 2016	<u>—</u>	<u>\$ —</u>	<u>23,857,381</u>	<u>\$ 2</u>	<u>\$ 196,049</u>	<u>\$ (54,392)</u>	<u>\$ 141,659</u>

See accompanying notes to consolidated financial statements.

**ICHOR HOLDINGS, LTD.**  
**Consolidated Statements of Cash Flows**  
(in thousands)

	December 30, 2016	Year Ended December 25, 2015	December 26, 2014
<b>Cash flows from operating activities:</b>			
Net income	\$ 16,662	\$ 5,626	\$ 6,168
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization	9,497	9,936	9,628
Impairment of intangible assets	—	1,825	—
Impairment of property, plant, and equipment	—	1,335	—
Share-based compensation	3,216	1,118	1,011
Deferred income taxes	(2,429)	(4,927)	(6,195)
Amortization of debt issuance costs	527	834	309
Changes in operating assets and liabilities, net of assets acquired:			
Accounts receivable, net	(9,007)	6,333	959
Inventories	(23,719)	9,110	(12,125)
Prepaid expenses and other assets	(3,381)	403	(41)
Accounts payable	36,761	(1,676)	8,749
Customer deposits	(4,234)	(3,451)	(202)
Accrued liabilities	1,612	169	213
Other liabilities	2,225	55	(383)
Net cash provided by operating activities	<u>27,730</u>	<u>26,690</u>	<u>8,091</u>
<b>Cash flows from investing activities:</b>			
Capital expenditures	(4,268)	(1,367)	(3,468)
Cash paid for acquisitions, net of cash acquired	(17,407)	—	—
Proceeds from sale of intangible assets	230	—	—
Proceeds from sale of property, plant, and equipment	243	—	—
Net cash used in investing activities	<u>(21,202)</u>	<u>(1,367)</u>	<u>(3,468)</u>
<b>Cash flows from financing activities:</b>			
Issuance of ordinary shares, net of fees	47,103	—	—
Net proceeds from capital contributions	—	—	19
Dividends to shareholders	—	(22,127)	—
Deferred financing fees	—	(2,631)	—
Borrowings under revolving commitment	12,000	24,000	9,000
Repayments on revolving commitment	(22,000)	(26,000)	(9,000)
Borrowing on long-term debt	15,000	55,000	—
Repayments on long-term debt	(30,171)	(43,750)	(3,250)
Net cash provided by (used in) financing activities	<u>21,932</u>	<u>(15,508)</u>	<u>(3,231)</u>
Net increase in cash	28,460	9,815	1,392
Cash and restricted cash at beginning of year	24,188	14,373	12,981
Cash and restricted cash at end of period	<u>\$ 52,648</u>	<u>\$ 24,188</u>	<u>\$ 14,373</u>
<b>Supplemental disclosures of cash flow information:</b>			
Cash paid during the period for interest	\$ 3,686	\$ 2,632	\$ 2,663
Cash paid during the period for taxes	\$ 103	\$ 496	\$ 611
<b>Supplemental disclosures of non-cash activities:</b>			
Capital expenditures included in accounts payable	\$ 1,174	\$ 10	\$ 86

See accompanying notes to consolidated financial statements.

## **Note 1—Organization and Summary of Significant Accounting Policies**

### *Organization and Operations of the Company*

Ichor Holdings, Ltd. and Subsidiaries (the Company) designs, develops, manufactures and distributes gas and liquid delivery subsystems and complete tool solutions purchased by capital equipment manufacturers for use in the semiconductor markets. The Company is headquartered in Fremont, California and has operations in the United States, United Kingdom, Singapore, and Malaysia.

On December 30, 2011, Ichor Systems Holdings, LLC (Ichor Systems Holdings) consummated a sales transaction with Icicle Acquisition Holdings, LLC (Icicle), a Delaware limited liability company. Shortly after consummation of the sale transaction, Icicle Acquisition Holdings, LLC changed its name to Ichor Holdings, LLC (Ichor Holdings).

In March 2012, Ichor Holdings completed a reorganization of its legal structure, forming Ichor Holdings, Ltd., a Cayman Islands entity. Ichor Holdings, Ltd. is now the reporting entity and the ultimate parent company of the operating entities.

In January 2016, the Company decided to shut its Kingston, New York facility which was the primary facility for the Precision Flow Technologies, Inc. subsidiary. In May 2016, the Company ceased operations in this facility and ended the relationship with the customer it served in this location. The Company's consolidated financial statements and accompanying notes for current and prior periods have been retroactively adjusted to present the results of operations of the Precision Flow Technologies, Inc. subsidiary as discontinued operations. In addition, the assets and liabilities to be disposed of have been treated and classified as discontinued operations. For more information on discontinued operations see Note 15— *Discontinued Operations* .

### *Basis of Presentation*

These consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP"). All intercompany balances and transactions have been eliminated upon consolidation. All financial figures presented in the notes to consolidated financial statements are in thousands, except share, per share, and percentage figures.

These consolidated financial statements include the following wholly owned subsidiaries of Ichor Holdings, Ltd.:

- FP-Ichor Ltd. (Cayman)
- Icicle Acquisition Holding Coöperatief U.A.
- Icicle Acquisition Holding B.V.
- Ichor Holdings Ltd (Scotland).
- Ichor Systems Ltd. (Scotland)
- Ichor Holdings, LLC
- Ichor Systems, Inc.
- Ichor Systems Malaysia Sdn Bhd
- Ichor Systems Singapore Pte. Ltd.
- Precision Flow Technologies, Inc.
- Ajax-United Patterns & Molds, Inc.

*Public Offering and Reverse Stock Split*

On December 14, 2016, the Company completed an initial public offering ("IPO") of 5,877,778 ordinary shares at a price to the public of \$9.00 per share. The Company received net proceeds from the offering of \$47,103 after offering fees and expenses. The net proceeds were used to repay \$40,000 of the Company's loans outstanding under the Company's Credit Facilities.

Immediately prior to the IPO, the Company amended and restated its memorandum of association to reflect the conversion of all outstanding preferred shares to 17,722,808 ordinary shares. As part of the IPO, the Company authorized 200,000,000 ordinary shares at \$0.0001 par value per share. The Company also authorized the issuance of 20,000,000 preferred shares at \$0.0001 par value per share, with no shares outstanding.

In connection with the IPO, the Company amended its memorandum of association to effect an 8.053363 for 1 reverse stock split of its common stock. Concurrent with the reverse stock split, the Company adjusted the number of shares subject to, and the exercise price of, its outstanding stock options and restricted shares under the Company's 2012 Amended Management Incentive Plan (the "2012 Plan") so that the holders of the options were in the same economic position both before and after the stock split. As a result of the reverse stock split, all previously reported share and per share amounts, including options in these consolidated financial statements and accompanying notes, have been retrospectively restated to reflect the reverse stock split.

*Year End*

We use a 52 or 53 week fiscal year ending on the last Friday in December. The years ended December 30, 2016, December 25, 2015, and December 26, 2014 were 53 weeks, 52 weeks, and 52 weeks, respectively. All references to 2016, 2015, and 2014 are references to fiscal years unless explicitly stated otherwise.

*Use of Estimates*

The preparation of consolidated financial statements in conformity with accounting principles generally accepted in the U.S. requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting periods presented. The Company bases its estimates and judgments on historical experience and on various other assumptions that it believes are reasonable under the circumstances. Actual results could differ from the estimates made by management. Significant estimates include the fair value of assets and liabilities acquired in acquisitions, estimated useful lives for long-lived assets, allowance for doubtful accounts, inventory valuation, uncertain tax positions, fair value assigned to stock options granted, and impairment analysis for both definite-lived intangible assets and goodwill.

*Revenue Recognition*

The Company recognizes revenue in accordance with Accounting Standards Codification (ASC) Topic 605, *Revenue Recognition*. Product sales are recognized when there is persuasive evidence of an arrangement, product delivery has occurred, the sales price is fixed or determinable, and collectability is reasonably assured. Product sales typically are recognized at the time of shipment or when the customer takes title of the goods. All amounts billed to a customer related to shipping and handling are classified as net sales, while all costs incurred by the Company for shipping and handling are classified as cost of goods sold.

*Concentration of Credit Risk*

Financial instruments that subject the Company to credit risk consist of accounts receivable, accounts payable and long-term debt.

The Company derived approximately 97%, 95%, and 96% of its sales from continuing operations from two customers during 2016, 2015, and 2014, respectively. At December 30, 2016 and December 25, 2015, those customers represented, in the aggregate, approximately 83% and 79%, respectively, of the accounts receivable balance.

Accounts receivable are carried at invoice price less an estimate for doubtful accounts. Payment terms vary by customer, but generally are due within 15–60 days. The Company reviews a customer's credit history before extending credit. The Company establishes an allowance for doubtful accounts based upon the credit risk of specific customers, historical trends, and other information. Activity and balances related to the Company's allowance for doubtful accounts is as follows:

	<u>Allowance for doubtful accounts</u>
Balance at December 26, 2014	\$ 385
Charges to costs and expenses	(6)
Write-offs	<u>(256)</u>
Balance at December 25, 2015	123
Charges to costs and expenses	<u>71</u>
Balance at December 30, 2016	<u>\$ 194</u>

The Company requires collateral, typically cash, in the normal course of business if customers do not meet its criteria established for offering credit. If the financial condition of the Company's customers were to deteriorate and result in an impaired ability to make payments, additions to the allowance may be required. Accounts receivable are written off when deemed uncollectible. Recoveries of accounts receivable previously written off are recorded to income when received.

The Company uses qualified manufacturers to supply many components and subassemblies of its products. The Company obtains the majority of its components from a limited group of suppliers. A majority of the purchased components used in the Company's products are customer specified. An interruption in the supply of a particular component would have a temporary adverse impact on the Company's operating results.

The Company maintains cash balances at both United States-based and foreign-based commercial banks. At various times during the year, cash balances in the United States will exceed amounts that are insured by the Federal Deposit Insurance Corporation (FDIC). The majority of the cash maintained in foreign-based commercial banks is insured by the government where the foreign banking institutions are based. Cash held in foreign-based commercial banks totaled \$14,658 and \$9,494 at December 30, 2016 and December 25, 2015, respectively. No losses have been incurred at December 30, 2016 and December 25, 2015 for the amounts exceeding the insured limits.

*Fair Value Measurements*

The Company estimates the fair value of its financial assets and liabilities based upon comparison of such assets and liabilities to the current market values for instruments of a

similar nature and degree of risk. The Company utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible. The Company determines fair value based on assumptions that market participants would use in pricing an asset or liability in the principal or most advantageous market. When considering market participant assumptions in fair value measurements, the following fair value hierarchy distinguishes between observable and unobservable inputs, which are categorized in one of the following levels:

- Level 1 Inputs: Unadjusted quoted prices in active markets for identical assets or liabilities accessible to the reporting entity at the measurement date
- Level 2 Inputs: Other than quoted prices included in Level 1 inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the asset or liability
- Level 3 Inputs: Unobservable inputs for the asset or liability used to measure fair value to the extent that observable inputs are not available, thereby allowing for situations in which there is little, if any, market activity for the asset or liability at the measurement date

There were no changes to the Company's valuation techniques during 2016. The Company's financial assets and liabilities include cash, accounts receivable, accounts payable, and debt. The Company estimates that the recorded value of its financial assets and liabilities approximates fair value at December 30, 2016 and December 25, 2015.

The Company estimates the value of intangible assets on a nonrecurring basis based on an income approach utilizing discounted cash flows. Under this approach, the Company estimates the future cash flows from its asset groups and discounts the income stream to its present value to arrive at fair value. Future cash flows are based on recently prepared operating forecasts. Operating forecasts and cash flows include, among other things, revenue growth rates that are calculated based on management's forecasted sales projections. A discount rate is utilized to convert the forecasted cash flows to their present value equivalent. The discount rate applied to the future cash flows includes a subject-company risk premium, an equity market risk premium, a beta, and a risk-free rate. As this approach contains unobservable inputs, the measurement of fair value for intangible assets is classified as Level 3.

At December 30, 2016, intangible assets passed the recoverability test resulting in no impairment. At December 25, 2015, certain intangibles assets associated with our Kingston facility did not pass the recoverability test, and the Company recorded an impairment charge of \$1,825. See Note 15— *Discontinued Operations* for additional details on the closure of the Kingston, New York location.

Our goodwill assessment performed in the fourth quarter of 2016 and 2015 did not indicate impairment of goodwill.

#### *Inventories*

Inventories are stated at the lower of cost or market. The majority of inventory values are based upon standard costs that approximate average costs.

The Company analyzes its inventory levels and records a write-down for inventory that has become obsolete, inventory that has a cost basis in excess of its expected net realizable value, and inventory in excess of expected customer demand. Various factors are considered in

making this determination, including recent sales history and predicted trends, industry market conditions, and general economic conditions. The Company recorded inventory write-downs of \$3,921, \$3,000, and \$1,511 during 2016, 2015, and 2014, respectively. Included in these write-downs are \$1,999, \$1,506, and \$403, related to the Kingston, New York operation during 2016, 2015, and 2014, respectively.

*Property and Equipment*

Property, plant and equipment are stated at cost, less accumulated depreciation. Depreciation is computed using the straight-line method over the following estimated useful lives:

	<u>Estimated useful lives of PP&amp;E</u>
Machinery	5-10 years
Leasehold improvements	Lesser of 15 years of lease term
Computer software, hardware, and equipment	3-5 years
Office furniture, fixtures, and equipment	5-7 years
Vehicles	5 years

Maintenance and repairs that neither add materially to the value of the asset nor appreciably prolong its useful life are charged to expense as incurred. Gains or losses on the disposal of property and equipment are included in selling, general and administrative expenses on the consolidated statements of operations.

*Long-Lived Assets*

Long-lived assets are reviewed for impairment whenever events or changes in circumstances indicate, in management's judgment, that the carrying amount of an asset (or asset group) may not be recoverable. In analyzing potential impairments, projections of future cash flows from the asset group are used to estimate fair value. If the sum of the expected future undiscounted cash flows is less than the carrying amount of the asset group, a loss is recognized for the difference between the estimated fair value and the carrying value of the asset group. The projections are based on assumptions, judgments and estimates of revenue growth rates for the related business, anticipated future economic, regulatory and political conditions, the assignment of discount rates relative to risk, and estimates of terminal values.

In connection with the decision to exit the Kingston, New York facility in 2016, as discussed in Note 15— *Discontinued Operations*, the Company performed long-lived asset recoverability tests and it was determined the carrying value of the Systems Integration long-lived assets exceeded the undiscounted cash flows. Accordingly, the Company recorded a write-down to its customer relationships, developed technology, and property and equipment of \$1,260, \$565, and \$1,335, respectively, during 2015, which are included in net income (loss) from discontinued operations on the statements of operations.

*Other Non-Current Assets*

In conjunction with the acquisition of Ajax, which occurred on April 12, 2016, the Company acquired two investments and a note receivable that were recorded at fair value on the date of acquisition: a cost method investment in a private company, CHawk Technology International, Inc., of approximately \$1,490, an equity method investment in a private company, Ajax

Foresight Global Manufacturing Sdn. Bhd. ("AFGM"), of \$510, and a note receivable of \$948 due from AFGM. The Company accounts for these investments on the cost and equity method, respectively, as the Company does not control either entity. The Company recorded \$240 in equity in earnings of AFGM in 2016, which is included in other expense (income), net on the statements of operations. At December 30, 2016 AFGM had a carrying value of \$750. At the end of each reporting period the Company determines whether events or circumstances have occurred that are likely to have a significant adverse effect on the fair value of these investments and note receivable. At December 30, 2016, no such circumstances have been identified.

#### *Intangible Assets*

The Company accounts for its intangible assets that have a definite life and are amortized on a basis consistent with their expected cash flows over the following estimated useful lives:

	<u>Estimated useful lives of intangibles</u>
Trademarks	10 years
Customer relationships	10 years
Developed technology	7 years

#### *Goodwill*

Goodwill represents the future economic benefits arising from other assets acquired in a business combination that are not individually identified and separately recognized. The Company reviews goodwill for impairment annually and whenever events or changes in circumstances indicate the carrying value of goodwill may not be recoverable. We first make a qualitative assessment of whether it is more likely than not that a reporting unit's fair value is less than its carrying amount before applying the two-step goodwill impairment test. Under the first step, the fair value of the reporting unit is compared to its carrying value, and, if an indication of goodwill impairment exists in the reporting unit, the enterprise must perform step two of the impairment test (measurement). Under step two, an impairment loss is recognized for any excess of the carrying amount of the reporting unit's goodwill as determined by allocating the fair value of the reporting unit in a manner similar to a purchase price allocation. The residual fair value after this allocation is the implied fair value of the reporting unit goodwill. If the fair value of the reporting unit exceeds its carrying value, step two does not need to be performed. The implied fair value of goodwill is determined by allocating the fair value of the reporting unit in a manner similar to a purchase price allocation and the residual fair value after this allocation is the implied fair value of the reporting unit goodwill. Fair value of the reporting unit is determined using a discounted cash flow analysis. If the fair value of the reporting unit exceeds its carrying value, step two does not need to be performed. For purposes of testing goodwill for impairment, the Company has concluded it operates in one reporting unit.

The Company performed a qualitative goodwill assessment in the fourth quarter of 2016 and 2015. Our goodwill assessment performed in 2016 and 2015 indicated that it was more likely than not the fair value of goodwill exceeded the carrying value.

#### *Research and Development Costs*

Research and development costs are expensed as incurred.

#### *Warranty Costs*

The Company's product warranties vary by customer, but generally extend for a period of one to two years from the date of sale. Provisions for warranties are determined primarily based on historical warranty cost as a percentage of sales, adjusted for specific problems that may arise. Historical product warranty expense has not been significant.

#### *Advertising Costs*

The Company charges advertising costs to operations as incurred. Advertising costs were not significant and are included in selling, general and administrative expenses in the accompanying consolidated statements of operations.

#### *Self-Insurance*

The Company sponsors a self-insured medical plan for employees and their dependents. A third party is engaged to assist in estimating the loss exposure related to the self-retained portion of the risk associated with this insurance.

#### *Special Bonus*

On August 11, 2015, the Board of Directors instituted a special bonus to certain members of management totaling \$3,110, of which \$1,761, \$205, and \$132 was earned and recorded as a component of selling, general, and administrative, research and development, and cost of sales, respectively, in 2015. The remaining \$1,012 could be earned by certain members of management through the fourth quarter of 2018 based on their continued employment. In December 2016 the Board of Directors approved that all remaining special bonus was earned and to be paid in December 2016. During 2016, the Company expensed \$621 related to the special bonus, including the amount earned in the fourth quarter of 2016. The remaining amount of the bonus was forfeited due to employee terminations. Management does not expect to pay bonuses of this nature in future periods.

#### *Share-Based Payments*

The Company uses the Black-Scholes option-pricing model to value the awards on the date of grant. The Company uses the simplified method to estimate the expected term of its share-based awards for all periods, as the Company did not have sufficient history to estimate the weighted average expected term. The risk-free interest rate is based on the U.S. Treasury rates in effect during the corresponding period of grant. Estimated volatility for 2016, 2015, and 2014 is based on historical volatility of similar entities whose share prices are publicly traded.

#### *Income Taxes*

The Company recognizes deferred income taxes using the asset and liability method of accounting for income taxes. Under the asset and liability method, deferred income taxes are recognized for differences between the financial reporting and tax bases of assets and liabilities at enacted statutory tax rates in effect for the years in which the differences are expected to reverse. The effect on deferred taxes of a change in tax rates is recognized in income in the period that includes the enactment date. Valuation allowances are established when necessary to reduce deferred tax assets to the amount expected to be realized. Income tax expense for the current year differs from the statutory rate primarily as a result of an increase in the valuation allowance in the U.S. and the impact of foreign operations, including withholding taxes, as well

as a discrete tax benefit of approximately \$2,271 that was recorded in association with certain tax attributes from the Ajax acquisition (see Note 2—*Ajax-United Patterns & Molds, Inc. Acquisition*).

The Company files federal income tax returns, foreign income tax returns, as well as multiple state and local tax returns. The Company is no longer subject to US Federal examination for tax years ending before 2013, to state examinations before 2012, or to foreign examinations before 2011. However, to the extent allowed by law, the tax authorities may have the right to examine prior periods where net operating losses or tax credits were generated and carried forward, and make adjustments up to the amount of the net operating losses or credit carryforward.

When tax returns are filed, it is highly certain that some positions taken would be sustained upon examination by the taxing authorities, while others may be subject to uncertainty about the merits of the position taken or the amount of the position that would be ultimately sustained. The benefit of a tax position is recognized in the consolidated financial statements in the period during which, based on all available evidence, management believes it is more likely than not that the position will be sustained upon examination, including the resolution of appeals or litigation processes, if any. Tax positions taken are not offset or aggregated with other positions. Tax positions that meet the more-likely than-not recognition threshold are measured as the largest amount of tax benefit that is more than 50% likely of being realized upon settlement with the applicable taxing authority. The portion of the benefits associated with tax positions taken that exceeds the amount measured as described above is reflected as a liability for unrecognized tax benefits in the Company's consolidated balance sheets along with any associated interest and penalties that would be payable to the taxing authorities upon examination. The Company recognizes interest and penalties as a component of income tax benefit.

#### *Foreign Operations*

The functional currency of the Company's international subsidiaries located in the United Kingdom, Singapore, and Malaysia, is the U.S. dollar. Transactions denominated in currencies other than the functional currency generate foreign exchange gains and losses that are included in other expense (income), net on the accompanying consolidated statements of operations. Substantially, all of the Company's sales and agreements with third-party suppliers provide for pricing and payments in U.S. dollars and, therefore, are not subject to material exchange rate fluctuations. Foreign operations consist of sales of \$241,669, \$173,735, and \$143,446, during 2016, 2015, and 2014, respectively. Assets of foreign operations totaled \$90,374 and \$52,852 at December 30, 2016 and December 25, 2015, respectively.

#### *Accounting Pronouncements Recently Adopted*

In June 2014, the FASB issued Accounting Standards Update ("ASU") No. 2014-12, *Compensation—Stock Compensation (Topic 718): Accounting for Share-Based Payments When the Terms of an Award Provide That a Performance Target Could Be Achieved after the Requisite Service Period* ("ASU 2014-12"). The update addresses accounting for share-based payments when the terms of an award provide that a performance target could be achieved after the requisite service period. ASU 2014-12 indicates that, in such situations, the performance target should be treated as a performance condition and, accordingly, the performance target should not be reflected in estimating the grant-date fair value of the award. Instead, compensation cost should be recognized in the period in which it becomes probable that the performance target will be achieved. ASU 2014-12 is effective for annual periods and

interim periods beginning after December 15, 2015. We adopted ASU 2014-12 on December 26, 2015, which did not have an impact on previously reported amounts or significant impact on its ongoing financial reporting.

In April 2015, the FASB issued ASU No. 2015-03, *Interest—Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs* (“ASU 2015-03”). The update requires debt issuance costs related to a recognized debt liability be presented in the balance sheet as a direct deduction from the carrying amount of the related debt liability instead of being presented as an asset. Debt disclosures will include the face amount of the debt liability and the effective interest rate. The update requires retrospective application and represents a change in accounting principle. The update is effective for fiscal years beginning after December 15, 2015. We adopted ASU 2015-03 on December 26, 2015 and retroactively recorded debt issuance costs as a reduction to long-term debt for all periods presented.

In July 2015, the FASB issued ASU No. 2015-11, *Inventory (Topic 330): Simplifying the Measurement of Inventory* (“ASU 2015-11”), which for entities that do not measure inventory using the last-in, first-out (LIFO) or retail inventory method, changes the measurement principle for inventory from the lower of cost or market to lower of cost and net realizable value. The ASU also eliminates the requirement for these entities to consider replacement cost or net realizable value less an approximately normal profit margin when measuring inventory. ASU 2015-11 is effective for fiscal years beginning after December 15, 2016, with early adoption permitted as of the beginning of an interim or annual period. The Company adopted ASU 2015-11 on December 26, 2015, which did not have an impact on previously reported amounts or significant impact on its ongoing financial reporting.

In September 2015, the FASB issued ASU 2015-16, *Business Combinations (Topic 805): Simplifying the Accounting for Measurement-Period Adjustments* (“ASU 2015-16”). Currently, an acquiring entity is required to retrospectively adjust the balance sheet amounts of the acquiree recognized at the acquisition date with a corresponding adjustment to goodwill as a result of changes made to the balance sheet amounts of the acquiree. The measurement period is the period after the acquisition date during which the acquirer may adjust the balance sheet amounts recognized for a business combination (generally up to one year from the date of acquisition). The changes eliminate the requirement to make such retrospective adjustments, and, instead require the acquiring entity to record these adjustments in the reporting period they are determined. The new standard is effective for periods beginning after December 15, 2015. We adopted ASU 2015-16 on December 26, 2015 on a prospective basis for any changes to provisional amounts after the acquisition date. In the third quarter of 2016, we recognized certain measurement period adjustments as disclosed in Note 2—*Ajax-United Patterns & Molds, Inc. Acquisition* to our consolidated financial statements.

In November 2015, the FASB issued ASU No. 2015-17, *Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes* (“ASU 2015-17”), which requires entities with a classified balance sheet to present all deferred tax assets and liabilities as noncurrent. ASU 2015-17 is effective for fiscal years beginning after December 15, 2017, with early adoption permitted. We adopted ASU 2015-17 on a retrospective basis in the fourth quarter of 2015. Accordingly, we reclassified current deferred taxes to noncurrent on our consolidated balance sheets.

In March 2016, the FASB issued ASU No. 2016-09, *Compensation—Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting* (“ASU 2016-09”). This amendment simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities and classification on the statement of cash flows. This guidance is effective for interim

and annual reporting periods beginning after December 15, 2016. The Company adopted ASU 2016-09 in 2016, which did not have an impact on previously reported amounts or significant impact on its ongoing financial reporting.

*Accounting Pronouncements Recently Issued*

In May 2014, the FASB issued ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)* (“ASU 2014-09”), which requires an entity to recognize the amount of revenue to which it expects to be entitled for the transfer of promised goods or services to customers. ASU 2014-09 outlines a single comprehensive model for entities to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance. The ASU is effective for reporting periods beginning after December 15, 2018 for the Company, with early adoption permitted for reporting periods beginning after December 15, 2016. The Company is currently evaluating the impact of this accounting standard.

In February 2016, the FASB issued ASU No. 2016-02, *Leases (Topic 842)* (“ASU 2016-02”). This update establishes a comprehensive lease standard for all industries. The new standard requires lessees to recognize a right of use asset and a lease liability for virtually all leases, other than leases that meet the definition of short term leases. The standard is effective for interim and annual reporting periods beginning after December 15, 2018 (December 31, 2019 for non-public entities). The Company is currently evaluating the impact of this accounting standard.

**Note 2—Ajax-United Patterns & Molds, Inc. Acquisition**

In April 2016, the Company completed a stock purchase agreement of Ajax-United Patterns & Molds, Inc. (“Ajax”), a manufacturer of complex plastic and metal products used in the medical, biomedical, semiconductor, data communication and food processing equipment industries, for \$17,594 with an additional potential earn-out payment of \$1,500 due in March 2017 if certain financial targets are met. The Company does not believe these financial targets will be met. Pursuant to the purchase agreement, \$1,300 was placed in escrow for working capital adjustments and is reflected in the accompanying consolidated balance sheet at December 30, 2016 as restricted cash. The Company has submitted working capital claims to the Ajax sellers and believes a substantial portion of the amount in escrow will be returned to the Company.

The total preliminary purchase price of \$17,594 was allocated to the underlying assets acquired and liabilities assumed based on their fair values. The allocation of purchase price to goodwill and identifiable assets and liabilities is subject to the final determination of purchase price, as the purchase price and asset values are subject to valuation and contractual adjustments of working capital, which has not been settled.

The following table presents the preliminary allocation and measurement period adjustments of the purchase price of \$17,594 to the assets acquired and liabilities assumed based on their fair values. Measurement period adjustments are primarily related to finalization of the valuation of deferred tax liabilities and intangible assets acquired:

	Preliminary Allocation April 12, 2016	Measurement Period Adjustment	Preliminary Allocation December 30, 2016
Cash acquired	\$ 187	\$ —	\$ 187
Accounts receivable, net	1,245	5	1,250
Inventories	3,236	—	3,236
Prepaid expenses and other current assets	77	—	77
Property and equipment, net	1,545	—	1,545
Other noncurrent assets	2,948	—	2,948
Intangible assets, net	8,130	(100)	8,030
Goodwill	4,629	2,449	7,078
Accounts payable and other accrued liabilities	(4,403)	(83)	(4,486)
Deferred tax liabilities	—	(2,271)	(2,271)
Total acquisition consideration	<u>\$ 17,594</u>	<u>\$ —</u>	<u>\$ 17,594</u>

The acquisition is expected to allow us to manufacture and assemble the complex plastic and metal products required by the medical, biomedical, semiconductor and data communication equipment industries. The Company has preliminarily allocated approximately \$7,078 of the purchase price to goodwill. Goodwill was primarily attributed to assembled workforce and expected synergies resulting from the acquisition. Goodwill is not deductible for tax purposes.

As a result of the acquisition, the Company has preliminarily recorded approximately \$10,516 of net identifiable assets including \$8,030 of identifiable intangible assets and \$6,757 of identifiable liabilities. The acquired intangible assets consist primarily of \$8,000 of customer relationship and will be amortized over their useful lives of ten years.

In 2016, the Company also incurred approximately \$1,514 in acquisition-related transaction costs which are included in selling, service and administration expenses in the Consolidated Statements of Operations. The operating results of this acquisition are included in the Company's results of operations since the date of acquisition. Since the date of acquisition, Ajax contributed \$19,976 in sales and \$575 of operating income. Pro forma financial information has not been provided for the acquisition of Ajax as it was not material to the Company's current year operations and overall financial position.

### Note 3—Inventory

Inventory consists of the following:

	December 30, 2016	December 25, 2015
Raw materials	\$ 46,889	\$ 33,481
Work in process	22,649	11,958
Finished goods	9,423	4,619
Excess and obsolete adjustment	(8,080)	(6,132)
	<u>\$ 70,881</u>	<u>\$ 43,926</u>

The following table presents changes to the Company's excess and obsolete adjustment:

	Excess and obsolete adjustment
Balance at December 27, 2013	\$ (3,035)
Charge to cost of sales	(1,511)
Disposition of inventory	479
Balance at December 26, 2014	(4,067)
Charge to cost of sales	(3,000)
Disposition of inventory	935
Balance at December 25, 2015	(6,132)
Charge to cost of sales	(3,921)
Disposition of inventory	1,973
Balance at December 30, 2016	<u>\$ (8,080)</u>

**Note 4—Property and Equipment**

Property and equipment consist of the following:

	December 30, 2016	December 25, 2015
Machinery	\$ 5,243	\$ 3,693
Leasehold improvements	11,276	8,607
Computer software, hardware and equipment	2,848	2,313
Office furniture, fixtures and equipment	220	216
Vehicles	10	8
Construction-in-process	2,069	179
	<u>21,666</u>	<u>15,016</u>
Less accumulated depreciation	(9,648)	(7,251)
Total property and equipment	<u>\$ 12,018</u>	<u>\$ 7,765</u>

Depreciation expense for 2016, 2015, and 2014 was \$2,482, \$3,050, and \$2,742, respectively.

During 2016, we sold property and equipment related to discontinued operations for proceeds of \$243.

**Note 5—Goodwill and Intangible Assets**

Definite-lived intangible assets consist of the following:

	December 30, 2016				
	Gross value	Accumulated amortization	Accumulated impairment charges	Carrying amount	Weighted average remaining useful life
Trademarks	\$ 9,690	\$ (4,845)	\$ —	\$ 4,845	5.0 years
Customer relationships	50,557	(17,150)	(11,076)	22,331	6.5 years
Developed technology	28,100	(14,975)	(8,155)	4,970	2.0 years
Backlog	30	(30)	—	—	0.0 years
Total intangible assets	<u>\$ 88,377</u>	<u>\$ (37,000)</u>	<u>\$ (19,231)</u>	<u>\$32,146</u>	

	December 25, 2015				Weighted average remaining useful life
	Gross value	Accumulated amortization	Accumulated impairment charges	Carrying amount	
Trademarks	\$ 9,690	\$ (3,876)	\$ —	\$ 5,814	6.0 years
Customer relationships	42,557	(13,618)	(11,076)	17,863	6.0 years
Developed technology	28,100	(12,261)	(8,155)	7,684	3.0 years
Total intangible assets	<u>\$ 80,347</u>	<u>\$ (29,755)</u>	<u>\$ (19,231)</u>	<u>\$31,361</u>	

Amortization expense totaled \$7,015, \$6,886, and \$6,886 during 2016, 2015, and 2014, respectively.

During 2016, we sold intangible assets related to discontinued operations for proceeds of \$230.

Future projected annual amortization expense consists of the following:

	Future amortization expense
2017	\$ 7,211
2018	7,211
2019	4,727
2020	4,727
2021	4,727
Thereafter	3,543
	<u>\$ 32,146</u>

The following tables present the changes to goodwill:

	Goodwill
Balance at December 26, 2014	\$ 70,015
Acquisitions	—
Impairment	—
Balance at December 25, 2015	70,015
Acquisitions	7,078
Impairment	—
Balance at December 30, 2016	<u>\$ 77,093</u>

**Note 6—Commitments and Contingencies***Operating Leases*

The Company leases offices under various operating leases expiring through 2024. The Company is responsible for utilities and its proportionate share of operating expenses under the facilities' leases. The Company recognizes escalating lease payments on a straight-line basis over the lease term. Rent expense for 2016, 2015, and 2014 was \$2,942, \$2,988, and \$3,146, respectively. Future minimum lease payments for non-cancelable operating leases as of December 30, 2016 are as follows:

	Future minimum lease payments
2017	\$ 3,813
2018	1,649
2019	1,017
2020	967
2021	478
Thereafter	653
	<u>\$ 8,577</u>

*Litigation*

The Company is periodically involved in legal actions and claims that arise as a result of events that occur in the normal course of operations. The ultimate resolution of these actions is not expected to have a material adverse effect on the Company's financial position or results of operations.

*Purchase Commitments*

At December 30, 2016, the Company has purchase orders outstanding for raw materials and component parts totaling \$88,326.

**Note 7—Income Taxes**

Income from continuing operations before tax was as follows:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
United States	\$ (12,553)	\$ (15,319)	\$ (13,841)
Foreign	32,683	24,135	14,019
Income from continuing operations before tax	<u>\$ 20,130</u>	<u>\$ 8,816</u>	<u>\$ 178</u>

Significant components of income tax benefit from continuing operations consist of the following:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Current:</b>			
Federal	\$ —	\$ (1,001)	\$ —
State	(73)	65	95
Foreign	1,858	1,816	786
Total current tax expense	<u>1,785</u>	<u>880</u>	<u>881</u>
<b>Deferred:</b>			
Federal	(2,213)	(4,296)	(5,704)
State	—	(203)	(701)
Foreign	(221)	(372)	(80)
Total deferred tax benefit	<u>(2,434)</u>	<u>(4,871)</u>	<u>(6,485)</u>
Income tax benefit from continuing operations	<u>\$ (649)</u>	<u>\$ (3,991)</u>	<u>\$ (5,604)</u>

The reconciliation of income tax computed at the U.S. federal statutory tax rates to income tax benefit from continuing operations consist of the following:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Effective rate reconciliation:</b>			
U.S. federal tax expense	\$ 7,046	\$ 3,084	\$ 62
State income taxes, net	(324)	(383)	(320)
Permanent items	488	114	76
Foreign rate differential	(5,907)	(4,259)	(2,491)
Tax holiday	(5,714)	(3,872)	(2,279)
Credits	(794)	(691)	(986)
Tax contingencies	86	(835)	170
Withholding tax	1,435	925	465
Other, net	168	(71)	(301)
Valuation allowance release due to acquisition	(2,271)	—	—
Valuation allowance	5,138	1,997	—
Income tax benefit from continuing operations	<u>\$ (649)</u>	<u>\$ (3,991)</u>	<u>\$ (5,604)</u>

Deferred income tax assets and liabilities from continuing operations consist of the following as of:

	December 30, 2016	December 25, 2015
Deferred tax assets:		
Inventory	\$ 2,159	\$ 1,443
Share-based compensation	1,521	683
Accrued payroll	903	563
Net operating loss carryforwards	5,274	5,174
Transaction costs	191	206
Tax credits	3,600	2,838
Other assets	2,337	1,606
Deferred tax assets	15,985	12,513
Valuation allowance	(4,888)	(1,997)
Total deferred tax assets	<u>11,097</u>	<u>10,516</u>
Deferred tax liabilities:		
Intangible assets	(10,830)	(10,228)
Property, plant and equipment	—	—
Other liabilities	(303)	(487)
Total deferred tax liabilities	<u>(11,133)</u>	<u>(10,715)</u>
Net deferred tax liability	<u>\$ (36)</u>	<u>\$ (199)</u>

At December 30, 2016, the Company had federal and state net operating loss carryforwards of \$20,640 and \$13,783, respectively. The federal and state net operating loss carryforwards, if not utilized, will begin to expire in 2031 and 2026, respectively. At December 30, 2016, the Company had federal and state research and development credits of \$1,104 and \$278, respectively. The federal and state research and development credits, if not utilized, will begin to expire in 2032 and 2018, respectively. Additionally, the Company had foreign tax credits of \$537, which if not utilized, will begin to expire in 2022.

Utilization of the domestic net operating loss and credit carryforwards may be subject to a substantial annual limitation due to ownership change limitations that have occurred or that could occur in the future, as required by Section 382 of the Code, as well as similar state provisions. These ownership changes may limit the amount of NOL carryforwards that can be utilized annually to offset future taxable income and tax, respectively. In general, an "ownership change" as defined by Section 382 of the Code results from a transaction or series of transactions over a three-year period resulting in an ownership change of more than 50 percentage points of the outstanding stock of a company by certain stockholders or public groups. The Company believes utilization of its federal and state net operating loss and credit carryforwards should not be limited under the provisions of Section 382.

At December 30, 2016, the Company did not recognize a deferred tax asset on the undistributed earnings of the Company's foreign subsidiaries that are not considered to be indefinitely reinvested, due to limitations on benefit recognition.

We have determined the amounts of our valuation allowances based on our estimates of taxable income by jurisdiction in which we operate over the periods in which the related deferred tax assets will be recoverable. We determined it is not more-likely-than-not that our U.S. entities will generate sufficient taxable income to offset reversing deductible timing

differences and to fully utilize carryforward tax attributes. Accordingly, we recorded a valuation allowance against those deferred tax assets for which realization does not meet the more-likely-than-not standard. Similarly, there is a valuation allowance on our state deferred tax assets due to the same uncertainties regarding future taxable U.S. income. The Company completed the acquisition of Ajax in the second quarter. As a result of the acquisition, there was a valuation allowance release resulting in a tax benefit of \$2,271.

The Company was granted a tax holiday for its Singapore operations effective 2011 through 2021. The tax holiday is subject to certain conditions, which are required to be met by March 31, 2017. As of December 30, 2016, the Company is in compliance with certain conditions, with the exception of the headcount requirement, which the Singapore taxing authority granted a waiver. For the remaining conditions, the Company intends to be in compliance with the conditions specified by March 31, 2017. The net impact of the tax holiday in Singapore as compared to the Singapore statutory rate was a benefit of \$5,714, \$3,872, and \$2,279, during 2016, 2015, and 2014, respectively.

As of December 30, 2016, the Company has recognized \$444 of unrecognized tax benefits in long-term liabilities and \$132 of unrecognized tax benefits in noncurrent deferred tax liabilities on the accompanying consolidated balance sheet. If recognized, \$474 of this amount would impact the Company's effective tax rate. The Company does not expect a significant decrease to the total amount of unrecognized tax benefits within the next twelve months.

The following table summarizes the activity related to the Company's unrecognized tax benefits:

	Unrecognized tax benefits
Balance at December 27, 2013	\$ 1,775
Increase in tax positions for current year	111
Increase in tax positions for prior period	132
Decrease in tax positions for prior period	(633)
Balance at December 26, 2014	\$ 1,385
Increase in tax positions for current year	85
Decrease in tax positions for prior period	(912)
Balance at December 25, 2015	558
Increase in tax positions for current year	118
Decrease in tax positions for prior period	(100)
Balance at December 30, 2016	\$ 576

The Company recognizes interest and penalties relating to unrecognized tax benefits as part of its income tax expense. The Company's three major filing jurisdictions are the United States, Singapore and Malaysia. The Company is no longer subject to US Federal examination for tax years ending before 2013, to state examinations before 2012, or to foreign examinations before 2011. However, to the extent allowed by law, the tax authorities may have the right to examine prior periods where net operating losses or tax credits were generated and carried forward, and make adjustments up to the amount of the net operating losses or credit carryforward.

#### Note 8—Employee Benefit Programs

##### 401(k) Plan

The Company sponsors a 401(k) plan available to employees of its United States-based subsidiaries. Participants may make salary deferral contributions not to exceed 50% of a

participant's compensation in a plan year or the maximum amount otherwise allowed by law. Eligible employees receive a discretionary matching contribution equal to 50% of each participant's deferral, up to an annual maximum of two thousand five hundred dollars. For 2016, 2015, and 2014, matching contributions were \$332, \$370, and \$321, respectively.

#### Medical Insurance

The Company sponsors a self-insured group medical insurance plan for its U.S. employees and their dependents. The self-insured plan is designed to provide a specified level of coverage, with stop-loss coverage provided by a commercial insurer, in order to limit the Company's exposure. For 2016, 2015, and 2014, expense incurred related to this plan was \$2,198, \$2,829, and \$1,894, respectively.

#### Note 9—Credit Facilities

Long-term debt consists of the following:

	December 30, 2016	December 25, 2015
2015 Credit Facility		
Term loan	\$ 39,830	\$ —
2011 Credit Facility		
Term loan A	—	55,000
Revolving commitment	—	10,000
Total principal amount of long-term debt	39,830	65,000
Less unamortized debt issuance costs	(1,886)	(2,412)
Total long-term debt	37,944	62,588
Less current portion	—	(4,550)
Total long-term debt, net of current portion	<u>\$ 37,944</u>	<u>\$ 58,038</u>

Maturities of long-term debt consist of the following:

	Future maturities of long-term debt
2017	\$ —
2018	—
2019	—
2020	39,830
	<u>\$ 39,830</u>

#### 2015 Credit Facility

On August 11, 2015, the Company and its subsidiaries entered into a new \$55,000 term loan facility and \$20,000 revolving credit facility (collectively, the "2015 Credit Facility") with a syndicate of lenders and repaid all outstanding indebtedness under the prior \$50,000 term loan facility and \$25,000 revolving credit facility discussed below. The 2015 Credit Facility also includes a letter of credit subfacility under the revolving credit facility.

The Company recorded \$2,631 in debt issuance costs associated with the 2015 Credit Facility and is amortizing this balance over the term of the facility to interest expense. The

company wrote off previously existing debt issuance costs related to the old credit facility resulting in an extinguishment loss of \$470, which is included within interest expense in the accompanying financial statements.

In April 2016, the Company acquired Ajax-United Patterns & Molds, Inc. (see Note 2— *Ajax-United Patterns & Molds, Inc. Acquisition* ). To fund the acquisition, the Company amended the 2015 Credit Facility and increased the term loan facility by \$15,000 and drew an additional \$4,000 on the revolving credit facility.

The 2015 Credit Facility is secured by all tangible and intangible assets of the Company and includes customary representations, warranties, and covenants. Additionally, the Company is required to maintain a fixed charge coverage ratio of 1.25 : 1 measured quarterly, and a consolidated leverage ratio as noted below:

<u>Four Fiscal Quarters Ending</u>	<u>Maximum consolidated leverage ratio</u>
December 30, 2016 through September 29, 2017	2.50 : 1
December 29, 2017 through September 28, 2018	2.25 : 1
December 28, 2018 through June 26, 2020	2.00 : 1

Interest is charged at either the Base Rate or the Eurodollar rate at the option of the Company, plus an applicable margin. The Base Rate is equal to the higher of i) the Prime Rate, ii) the Federal Funds Effective rate plus 0.5%, or iii) the Eurodollar Rate plus 1.00%. The applicable margin on Base Rate and Eurodollar Rate loans is 3.00% and 4.00%, per annum, respectively. Interest payments on the outstanding principal balance are due quarterly if loans are made under the Base Rate. Interest payments are due on the last day of the applicable interest period under Eurodollar Rate loans.

The Company may borrow up to \$55,000 under the new term loan facility. Principal payments are due on a quarterly basis, however, the \$25,000 payment made using proceeds from our IPO in December 2016 was treated as a pre-payment, and therefore the Company is not required to make quarterly principal payments until the maturity date in August 2020, at which point any remaining principal is due. As of December 30, 2016, the term loan facility bore interest at the Eurodollar rate option at 5.00%.

Under the revolving credit facility, the Company is able to borrow an amount equal to the lesser of i) \$5,000 and ii) the revolving credit facility under a swingline loan. The borrowing availability under the swingline loan is a sublimit to the revolving commitment. There were no borrowings outstanding under the revolving credit facility at December 30, 2016.

#### *2011 Credit Facility*

On December 30, 2011, the Company and its subsidiaries executed a \$75,000 senior secured credit facility, as amended (the “2011 Credit Facility”), with a syndicate of lenders. The 2011 Credit Facility consisted of a \$15,000 term loan (“term loan A”), a \$35,000 term loan (“term loan B”), and a \$25,000 revolving commitment with a letter of credit subfacility. The Company paid a commitment fee equal to 0.375% per annum on the unused portion of the Facility. The Company recorded \$1,332 in debt financing fees associated with the Facility, and amortized this balance over the term of the Facility to interest expense. The Facility was secured by all tangible and intangible assets of the Company.

The 2011 Credit Facility contained prepayment provisions in the event of certain actions, including but not limited to, a qualifying initial public offering, new indebtedness, and proceeds from asset sales and upon earning excess cash flows, as defined in the 2011 Credit Facility agreement. The 2011 Credit Facility contained customary representations, warranties, and covenants. The 2011 Credit Facility was replaced on August 11, 2015.

Interest was charged at either the ABR rate or the Eurodollar rate at the option of the Company, plus an applicable margin. The ABR rate is equal to the higher of i) the Prime Rate, ii) the Federal Funds Effective rate plus 0.50%, or iii) 4.00%. The applicable margin for term loan A on ABR rate loans and Eurodollar rate loans was 0.50% and 3.00%, per annum, respectively. The applicable margin for term loan B and the revolving commitment on ABR rate loans and Eurodollar rate loans was 0.50% and 3.00%, per annum, respectively. Interest payments on the outstanding principal balance are due monthly if borrowings are under the ABR rate. Interest payments are due on the last day of the applicable interest period under Eurodollar rate loans.

## **Note 10—Shareholders' Equity**

### *Preferred Shares*

Prior to the IPO, the Company's preferred shares had the following characteristics:

**Conversion** —The holders of preferred shares may convert to common stock at any time at the option of the holder, and the preferred shares will automatically convert to common stock upon a majority vote of the holders of preferred stock. The conversion price is equal to the ratio of the original issuance price divided by the conversion price.

**Liquidation preference** —In the event of any voluntary or involuntary liquidation, dissolution, or winding up of the Company, the preferred shareholders are entitled to receive an amount per share equal to the greater of (i) The original issuance price plus any dividends declared but unpaid or (ii) an amount per share that would have been payable assuming conversion to common stock immediately prior to a liquidation event. Any remaining assets of the Company after the initial liquidation preference will be made to the common stock holders on a pro rata basis. If the assets of the Company are not sufficient for the full liquidation preference, the holders will share in any distribution on a pro rata basis.

**Voting** —Preferred shareholders have voting rights based on the number of shares of common stock into which the preferred shares can convert.

**Dividends** —Preferred shareholders are entitled to receive dividends when and if declared by the Board of Directors. In August 2015, the Board of Directors approved and paid a cash dividend totaling \$22,127 to the preferred shareholders.

At the IPO, all outstanding preferred shares were converted into 17,722,808 ordinary shares.

## **Note 11—Related Party Transactions**

On January 10, 2011, PFT entered into a sublease agreement with Precision Flow Inc., which was majority owned by a member of the board of directors of the Company. During 2016, 2015, and 2014, PFT paid \$963, \$1,155, and \$975, respectively, in sublease rent to Precision Flow Inc. The sublease agreement between PFT and Precision Flow Inc. expires February 28, 2018. The Company has ceased operations in this facility as of May 2016 but has not completed a lease termination agreement with Precision Flow Inc. As of December 30, 2016, this board member has resigned, and therefore no related party relationship exists going forward.

The Company had purchases totaling \$137, \$841, and \$1,556 from Ceres, an entity owned by a member of the board of directors of the Company, during 2016, 2015, and 2014, respectively. Outstanding accounts payable to Ceres at December 30, 2016 and December 25, 2015 totaled \$0 and \$153, respectively. The Company had sales totaling \$215 during 2016. The Company had substantially zero sales to Ceres during 2015 and 2014. The Company had no outstanding accounts receivable from Ceres at December 30, 2016 and December 25, 2015. As of December 30, 2016, this board member has resigned, and therefore no related party relationship exists going forward.

The Company received consulting services from Francisco Partners Consulting, LLC totaling \$512, \$342, and \$580 during 2016, 2015, and 2014, respectively. Outstanding accounts payable to Francisco Partners Consulting, LLC totaled a total of \$0 and \$305 at December 30, 2016 and December 25, 2015, respectively.

The Company purchases certain parts from AFGM (see Note 1— *Organization and Summary of Significant Accounting Policies* ). Total purchases from AFGM were \$722 in 2016. Outstanding accounts payable to AFGM totaled \$344 at December 30, 2016.

The Company also received consulting and advisory services from Francisco Partners Management, L.P. pursuant to a Master Services Agreement (“MSA”). This MSA provides that the Company will reimburse Francisco Partners Management, L.P. for reasonable out-of-pocket expenses incurred in connection with providing the Company consulting and advisory services and pay an annual advisory fee equal to \$1,500 per year. However, Francisco Partners Management, L.P. has waived payment of all such out-of-pocket fees and advisory fees for 2016, 2015, and 2014.

The Company received engineering services from Vignani. Vignani is a subsidiary of Foliage Inc. The Chairman of the Company’s board of directors was on the board of directors of Foliage, Inc. until 2014. Fees incurred for the services during 2014 were \$889.

On August 26, 2014, the Company entered into a Separation and Release Agreement, or the “Separation Agreement,” with the former CEO in connection with the termination of his employment with the Company. Pursuant to the terms of the Separation Agreement, (1) the former CEO’s employment with the Company was terminated effective as of August 12, 2014, (2) the former CEO did not receive any severance or other benefits from the Company following his termination date, (3) all equity securities of the Company owned, directly or indirectly, by the former CEO, including vested and unvested stock options, were transferred to the Company, (4) the former CEO agreed to reimburse the Company \$1,254, (5) the former CEO agreed to a three-year noncompetition covenant and a three-year nonsolicitation covenant covering employees, contractors, customers, vendors and other business relations, (6) the former CEO agreed to continue complying with the confidentiality and intellectual property assignment agreement previously entered into in connection with his employment, (7) the former CEO agreed to a general release of claims against the Company and (8) the parties agreed to a mutual nondisparagement covenant.

In 2014, the Company paid two entities owned by the Company’s former chief executive officer for various services performed at the direction of the former CEO. The Company included the amount paid of \$173, in selling, general and administrative expenses on the accompanying consolidated statements of operations, associated with these entities in 2014. No payments were made to these entities after June 30, 2014, and the Company’s relationship with these entities has terminated.

Certain travel and entertainment expenses were reimbursed to our former chief executive officer in contravention of our travel reimbursement policy. We paid \$324 to the former chief executive officer in 2014. These amounts were repaid to the Company in the third quarter of 2014 as part of the reimbursement of \$1,254.

## **Note 12—Share-Based Compensation**

### *2016 Plan*

In December 2016, the Company adopted the 2016 Omnibus Incentive Plan (“the 2016 Plan”). Under the 2016 Plan, a maximum of 1,888,000 ordinary shares may be granted under the Plan. Awards may be in the form of options, tandem and non-tandem stock appreciation rights, restricted shares, performance awards, and other share based awards and can be issued to employees, directors, and consultants. Canceled or expired awards under the 2016 Plan are returned to the incentive plan pool for future grants.

Awards granted under the Plan have a term not to exceed 10 years, with vesting and other award provisions based on the discretion of the Board of Directors at the time of grant.

There have been no awards made under the 2016 Plan as of December 30, 2016.

### *2012 Plan*

In March 2012, the Company adopted the Ichor Holdings Ltd. 2012 Equity Incentive Plan (the “2012 Plan”). Under the 2012 Plan, the Company can grant either restricted shares or stock options to employees, directors and consultants. The Board of Directors initially authorized the issuance of 21,000,000 stock options or restricted shares under the 2012 Plan. On October 25, 2013, the Board of Directors authorized the issuance of an additional 4,000,000 stock options or restricted shares under the 2012 Plan. Canceled or expired stock options or restricted shares are returned to the incentive plan pool for future grants.

Stock options granted under the 2012 Plan have a term of seven years. Vesting generally occurs 25% on the first anniversary of the date of grant, and quarterly thereafter over the remaining three years.

### *Stock Options*

In 2014, the Company granted 215,908 stock options to an executive that vest upon the sale of the Company or completion of an initial public offering. Due to the completion of its IPO in December, the Company recognized \$637 in share-based compensation expense in 2016 related to the vesting of these stock options.

In 2014, the Company granted 408,298 stock options to certain executives that vest ratably over a four year term. The grants include a special vesting provision that provides that 50% of unvested options vest in the event of a sale of the Company, defined as either a transaction or series of related transactions in which a person, or a group of related persons, acquires through sale, merger, joint venture or otherwise, whether effected in a single transaction or a series of related transactions, (i) more than 50 % of either (a) the voting power or (b) right to elect the directors of (1) the surviving or resulting company or (2) if the surviving or resulting company is a wholly owned subsidiary of another company immediately following such merger or consolidation, the parent company of such surviving or resulting company or (ii) all or substantially all, including via license, transfer, lease or leaseback of the business or assets of

the Company. During 2016, 204,883 of the 408,298 stock options granted were forfeited. As of December 30, 2016, if a sale of the Company occurs, depending on the timing of such sale, the Company would accelerate the recognition of up to \$128 in share-based compensation expense. The December 2016 IPO did not qualify as a sale of the Company for purposes of this award.

In 2015, the Company granted 220,404 stock options to an executive that are subject to vesting in increments of 25% upon the Company achieving specific performance targets as mutually agreed between the Board and the executive. The achievement of each of the performance targets shall be determined by the Board in its sole discretion and must be completed by December 2018. The grants also include a special vesting provision that in the event of a sale of the Company, if during the Protected Period either (I) Optionee is terminated other than for cause by the Company (or its successor), or (II) Optionee resigns within thirty days of Optionee's job responsibilities being materially diminished by the Company (or its successor), the lesser of (x) 50% of the unvested options and (y) all remaining unvested options as of the date of the consummation of a sale of the Company shall immediately become vested options. For purposes of the agreement, "Protected Period" is defined as the period commencing on the date of the consummation of a sale of the Company and ending on the date that is 90 days following such sale of the Company. In January 2016, 41,325 of the 220,404 stock options granted vested based on achievement of certain of the defined performance metrics. Accordingly, \$173 of share-based compensation expense was recognized. In July 2016, the employee was terminated and the stock options were forfeited.

The table below sets forth the assumptions used on the date of grant for estimating the fair values of options 2016, 2015, and 2014:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Weighted average expected term	5.0	5.0	5.0
Risk-free interest rate	1.26%	1.41%	1.30%
Dividend yield	0.00%	0.00%	0.00%
Volatility	50.00%	50.00%	60.60%

The following table summarizes the Company's stock option activity during 2016:

	Number of Stock Options		Weighted average exercise price per share	Weighted average remaining contractual term	Aggregate intrinsic value (in thousands)
	Time vesting	Performance vesting			
Outstanding, December 25, 2015	2,184,119	436,312	\$ 8.94		
Granted	92,739	—	\$ 9.42		
Exercised	—	—	\$ —		
Forfeited	(328,551)	(220,404)	\$ 8.73		
Expired	—	—	\$ —		
Outstanding, December 30, 2016	<u>1,948,307</u>	<u>215,908</u>	\$ 8.87	3.5 years	\$ 5,071
Exercisable, December 30, 2016	<u>1,567,768</u>	<u>215,908</u>	\$ 8.85	3.1 years	\$ 4,331

Fair value information for options granted the intrinsic value of options exercised during 2016, 2015, and 2014 are as follows:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Weighted average grant-date fair value of options granted	\$ 4.18	\$ 4.18	\$ 2.90
Total intrinsic value of options exercised	N/A	N/A	N/A

At December 30, 2016, total unrecognized share-based compensation expense relating to stock options was \$1,246, with a weighted average remaining service period of 2.5 years.

#### *Restricted Shares*

In 2014, the Company granted 120,252 restricted shares to two executives that vest upon sale of the Company or completion of an initial public offering. Due to the completion of its IPO in December, the Company recognized \$891 in share-based compensation expense in 2016 related to the vesting of these restricted shares.

In 2014, the Company granted 89,963 restricted shares to an executive that vest ratably over a four year term. The grant includes a special vesting provision that provides that 50% of the unvested grant vests in the event of a sale of the Company, defined as either a transaction or series of related transactions in which a person, or a group of related persons, acquires through sale, merger, joint venture or otherwise, whether effected in a single transaction or a series of related transactions, (i) more than 50 % of either (a) the voting power or (b) right to elect the directors of (1) the surviving or resulting company or (2) if the surviving or resulting company is a wholly owned subsidiary of another company immediately following such merger or consolidation, the parent company of such surviving or resulting company or (ii) all or substantially all, including via license, transfer, lease or leaseback of the business or assets of the Company. As of December 30, 2016, if a sale of the Company occurs, depending on the timing of such sale, the Company would accelerate the recognition of up to \$142 in share-based compensation costs.

In 2016, the Company granted 89,963 restricted shares to an executive that vest ratably over a two year term. In the event of a sale of the Company, any unvested shares of the award will become immediately vested. If a sale of the Company occurs, depending on the timing of such sale, the Company would accelerate the recognition of up to \$424 in share-based compensation. The December 2016 IPO did not qualify as a sale of the Company for purposes of this award.

The following table summarizes the Company's restricted share activity during 2016:

	Number of Restricted Ordinary Shares		Weighted average grant date fair value
	Time vesting	Performance vesting	
Unvested, December 25, 2015	84,226	120,252	\$ 7.25
Granted	89,963	—	\$ 9.42
Vested	(71,134)	(120,252)	\$ 7.64
Forfeited	—	—	\$ —
Unvested, December 30, 2016	103,055	—	\$ 8.39

Fair value information for restricted shares granted and vested during 2016, 2015, and 2014 is as follows:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Weighted average grant-date fair value of shares granted	\$ 9.42	N/A	\$ 7.40
Total fair value of shares vested	\$ 1,484	\$ 296	\$ 109

At December 30, 2016, total unrecognized share-based compensation expense relating to restricted shares was \$752, with a weighted average remaining service period of 1.3 years.

Share-based compensation expense for stock options and restricted shares across all plans totaled \$3,216, \$1,118, and \$1,011 during 2016, 2015, and 2014, respectively.

### Note 13—Segment Information

The Company's Chief Operating Decision Maker (CODM), the Chief Executive Officer, reviews the Company's results of operations on a consolidated level and executive staff is structured by function rather than by product category. Therefore, the Company operates in one operating segment. Key resources, decisions, and assessment of performance are also analyzed on a company-wide level.

The Company's foreign operations are conducted primarily through its wholly owned subsidiaries in Singapore and Malaysia. The Company's principal markets include North America, Asia and, to a lesser degree, Europe. Sales by geographic area represent sales to unaffiliated customers.

All information on sales by geographic area is based upon the location to which the products were shipped. The following table sets forth sales by geographic area (including sales from discontinued operations):

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
United States of America	\$ 243,237	\$ 238,470	\$ 225,891
Singapore	163,515	96,141	55,977
Europe	16,353	22,938	16,882
Other	9,218	13,840	15,383
Total net sales	<u>\$ 432,323</u>	<u>\$ 371,389</u>	<u>\$ 314,133</u>

The following table sets forth the Company's two major customers, which comprised 97%, 95%, and 96% of sales from continuing operations in 2016, 2015, and 2014, respectively.

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Major Customer 1	\$ 207,230	\$ 165,133	\$ 125,175
Major Customer 2	\$ 185,465	\$ 111,661	\$ 112,745

**Note 14—Earnings per Share**

Basic and diluted net income per share attributable to ordinary shareholders was presented in conformity with the two-class method during 2016, 2015, and 2014, required for participating securities, as the Company had two classes of stock until its December IPO. The Company considered its convertible preferred shares to be a participating security as the convertible preferred shares participated in dividends with ordinary shareholders, when and if declared by the board of directors. In the event a dividend was paid on ordinary shares, the holders of preferred shares were entitled to a proportionate share of any such dividend as if they were holders of ordinary shares (on an as-if converted basis). The convertible preferred shares did not participate in losses incurred by the Company. In accordance with the two-class method, earnings allocated to these participating securities and the related number of outstanding shares of the participating securities, which include contractual participation rights in undistributed earnings, have been excluded from the computation of basic and diluted net income per share attributable to ordinary shareholders.

Under the two-class method, net income attributable to ordinary shareholders after deduction of preferred share dividends, if any, is determined by allocating undistributed earnings between the ordinary shares and the participating securities based on their respective rights to receive dividends. Basic net income (loss) per share attributable to ordinary shareholders is computed by dividing net income (loss) attributable to ordinary shareholders by the weighted-average number of ordinary shares outstanding during the period. All participating securities are excluded from basic weighted-average ordinary shares outstanding. Diluted net income (loss) per share attributable to ordinary shareholders is computed by dividing net income (loss) attributable to ordinary shareholders by the weighted average number of ordinary shares outstanding, including all potentially dilutive ordinary shares, if the effect of each class of potential shares of ordinary shares is dilutive.

For purposes of calculating EPS under the two-class method, an accounting policy election has been made to treat each income statement line item (net income from continuing operations, net income (loss) from discontinued operations, and net income) as an independent calculation and only allocate earnings to participating securities for those line items for which income is reported, as the participating securities do not have a contractual obligation to participate in losses. There is therefore no allocation of losses to participating securities for those line items for which a loss is reported. Under this method, the sum of the individual EPS income statement line items will not reconcile to the total net income (loss) per share.

The following table sets forth the computation of the Company's basic and diluted net income (loss) per share attributable to ordinary shareholders and a reconciliation of the numerator and denominator used in the calculation:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
<b>Numerator:</b>			
Net income from continuing operations	\$ 20,779	\$ 12,807	\$ 5,782
Preferred share dividend	—	(22,127)	—
Undistributed earnings attributed to preferred shareholders	(19,060)	—	(5,779)
Net income (loss) from continuing operations, attributable to ordinary shareholders	<u>\$ 1,719</u>	<u>\$ (9,320)</u>	<u>\$ 3</u>
Net income (loss) from discontinued operations	\$ (4,117)	\$ (7,181)	\$ 386
Undistributed earnings attributed to preferred shareholders	—	—	(386)
Net loss from discontinued operations, attributable to ordinary shareholders	<u>\$ (4,117)</u>	<u>\$ (7,181)</u>	<u>\$ —</u>
Net income	\$ 16,662	\$ 5,626	\$ 6,168
Preferred share dividend	—	(22,127)	—
Undistributed earnings attributed to preferred shareholders	(15,284)	—	(6,165)
Net income (loss), attributable to ordinary shareholders	<u>\$ 1,378</u>	<u>\$ (16,501)</u>	<u>\$ 3</u>
<b>Denominator:</b>			
Weighted average ordinary shares outstanding	1,503,296	31,875	8,402
Dilutive effect of stock options	306,871	—	—
Dilutive effect of restricted shares	157,759	—	10,020
Weighted average number of shares used in diluted per share calculation for net income (loss) continuing operations	<u>1,967,926</u>	<u>31,875</u>	<u>18,422</u>
Weighted average ordinary shares outstanding	1,503,296	31,875	8,402
Dilutive effect of stock options	—	—	—
Dilutive effect of restricted shares	—	—	10,020
Weighted average number of shares used in diluted per share calculation for net loss from discontinued operations	<u>1,503,296</u>	<u>31,875</u>	<u>18,422</u>
Weighted average ordinary shares outstanding	1,503,296	31,875	8,402
Dilutive effect of stock options	306,871	—	—
Dilutive effect of restricted shares	157,759	—	10,020
Weighted average number of shares used in diluted per share calculation for net income (loss)	<u>1,967,926</u>	<u>31,875</u>	<u>18,422</u>
<b>Net income (loss) per share attributable to ordinary shareholders:</b>			
Continuing operations:			
Basic	\$ 1.14	\$ (292.39)	\$ 0.36
Diluted	\$ 0.87	\$ (292.39)	\$ 0.16
Discontinued operations:			
Basic	\$ (2.74)	\$ (225.29)	\$ —
Diluted	\$ (2.74)	\$ (225.29)	\$ —
Total:			
Basic	\$ 0.92	\$ (517.68)	\$ 0.36
Diluted	\$ 0.70	\$ (517.68)	\$ 0.16

An aggregated total of 165,275, 519,576, and 2,084,658 potential ordinary shares have been excluded from the computation of diluted net income (loss) per share attributable to ordinary shareholders for 2016, 2015, and 2014, respectively, because including them would have been antidilutive.

#### Note 15—Discontinued Operations

In January 2016, we made the decision to shut down our Kingston, New York facility as this location consumed a significant amount of resources while contributing very little income. We completed the shutdown of the operations of the New York facility in May 2016 through abandonment as a buyer for the facility and operation was not found. We recognized additional expense consisting of fixed asset and long-lived asset impairments totaling \$3,160 in the fourth quarter of 2015 related to this decision. The impairments related to fixed assets and long lived assets were based on the estimated fair value of such assets over their remaining expected lives through May 2016. No further sales are being generated from the customer that this location serviced after May 2016.

The Company ceased operations at this facility in May 2016. As this was our cease use date, the Company recorded lease abandonment and inventory charges of approximately \$612 and \$2,000, respectively, in the second quarter of 2016. At December 30, 2016 future minimum lease payments of \$360 are reflected in accrued liabilities of discontinued operations.

The carrying amounts of the major classes of assets and liabilities of the Kingston, New York facility are reflected in the following table as of December 30, 2016 and December 25, 2015:

	December 30, 2016	December 25, 2015
<b>Assets</b>		
Current assets:		
Accounts receivable, net	\$ —	\$ 3,750
Inventories	—	12,639
Prepaid expenses and other current assets	99	150
Total current assets	<u>99</u>	<u>16,539</u>
Property and equipment, net	—	283
Intangible assets, net	—	230
Other noncurrent assets	—	8
Total noncurrent assets	<u>—</u>	<u>521</u>
Total assets	<u>\$ 99</u>	<u>\$ 17,060</u>
<b>Liabilities</b>		
Current liabilities:		
Accounts payable	\$ 152	\$ 5,702
Accrued liabilities	360	590
Customer deposits	—	3,510
Other current liabilities	52	53
Total current liabilities	<u>564</u>	<u>9,855</u>
Deferred tax liabilities	30	25
Other long-term liabilities	9	61
Total noncurrent liabilities	<u>39</u>	<u>86</u>
Total liabilities	<u>\$ 603</u>	<u>\$ 9,941</u>

The results of the discontinued operation for 2016, 2015, and 2014 were as follows:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Net sales	\$ 26,576	\$ 80,748	\$ 65,046
Cost of sales	<u>28,077</u>	<u>80,840</u>	<u>61,404</u>
Operating expenses:			
Research and development	262	954	577
Selling, general, and administrative	2,315	2,765	2,507
Amortization of intangible assets	—	475	475
Total operating expenses	<u>2,577</u>	<u>4,194</u>	<u>3,559</u>
Operating income (loss)	(4,078)	(4,286)	83
Interest income, net	—	(16)	(3)
Other expense (income), net	(1)	3,136	(46)
Income (loss) from discontinued operations before income taxes	<u>(4,077)</u>	<u>(7,406)</u>	<u>132</u>
Income tax expense (benefit)	40	(225)	(254)
Income (loss) from discontinued operations	<u>\$ (4,117)</u>	<u>\$ (7,181)</u>	<u>\$ 386</u>

Supplemental information related to the discontinued operation is as follows for the periods presented:

	Year Ended		
	December 30, 2016	December 25, 2015	December 26, 2014
Depreciation and amortization	\$ —	\$ 1,143	\$ 1,147
Capital expenditures	\$ —	\$ 427	\$ 535
Impairment of property and equipment	\$ —	\$ 1,335	\$ —
Impairment of intangible assets	\$ —	\$ 1,825	\$ —

#### Note 16—Subsequent Events

Subsequent events are events or transactions that occur after the balance sheet date but before financial statements are issued. The Company recognizes in the consolidated financial statements the effects of all subsequent events that provide additional evidence about conditions that existed at the date of the balance sheet, including the estimates inherent in the process of preparing the financial statements. The Company's consolidated financial statements do not recognize subsequent events that provide evidence about conditions that did not exist at the date of the balance sheet but arose after the balance sheet date and before financial statements are issued. In preparing these consolidated financial statements, the Company has evaluated events and transactions for potential recognition or disclosure through March 28, 2017, the date the consolidated financial statements were issued.

#### *Exercise of Underwriters' Over-Allotment Option*

On January 10, 2017, the Company completed the sale of an additional 881,667 ordinary shares of the Company to the underwriters of its initial public offering at the public offering price of \$9.00 per ordinary share pursuant to the exercise of the over-allotment option granted to the underwriters. The Company received approximately \$7,400 in net proceeds from the sale.

*Sale of Equity Method Investment*

On February 15, 2017, the Company sold its equity method investment in Ajax Foresight Global Manufacturing Sdn. Bhd., and associated note receivable, for \$1,730, resulting in a net gain on sale of \$32.

*Sale of Cost Method Investment*

On February 24, 2017, the Company sold its cost method investment in CHawk Technology International, Inc. for \$1,700, resulting in a gain on sale of \$210. The Company received cash of \$700 and a promissory note for \$1,000. The promissory note will be repaid in five quarterly installments of \$200, commencing in the second quarter of 2017.

**4,500,000 Shares**

**ICHOR HOLDINGS, LTD.**

**Ordinary Shares**

**PRELIMINARY PROSPECTUS**

**Deutsche Bank Securities  
Stifel  
RBC Capital Markets  
Cowen and Company  
Needham & Company**

, 2017

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**PART II**

**INFORMATION NOT REQUIRED IN PROSPECTUS**

**Item 13. Other Expenses of Issuance and Distribution**

The following table sets forth all costs and expenses, other than the underwriting discounts and commissions payable by us, in connection with the offer and sale of the securities being registered. All amounts shown are estimates except for the SEC registration fee and the FINRA filing fee.

	<u>Amount</u>
SEC registration fee	\$ 11,126
FINRA filing fee	15,500
Legal fees and expenses	300,000
Accounting fees and expenses	140,000
Printing expenses	180,000
Miscellaneous expenses	25,000
<b>Total</b>	<b><u>\$ 671,626</u></b>

**Item 14. Indemnification of Directors and Officers**

Cayman Islands law does not limit the extent to which a company's articles of association may provide for indemnification of officers and directors, except to the extent any such provision may be held by the Cayman Islands courts to be contrary to public policy, such as to provide indemnification against civil fraud or the consequences of committing a crime. Our amended and restated articles of association provide for indemnification of officers and directors to the maximum extent permitted by law for losses, damages, costs and expenses incurred in their capacities as such, except through their own actual fraud and dishonesty or willful default.

We have entered into indemnification agreements with each of our directors and officers pursuant to which we have agreed to indemnify our directors and officers against certain liabilities and expenses incurred by such persons in connection with claims made by reason of their being such a director or officer.

We also maintain standard policies of insurance that provide coverage (1) to our directors and officers against loss rising from claims made by reason of breach of duty or other wrongful act and (2) to us with respect to indemnification payments that we may make to such directors and officers.

The form of Underwriting Agreement filed as Exhibit 1.1 to this Registration Statement will also provide for indemnification of us and our officers and directors in certain instances.

**Item 15. Recent Sales of Unregistered Securities**

The Registrant has not issued and sold any unregistered securities within the past three years other than:

- on September 19, 2014, the Registrant granted to the Registrant's Vice Chairman 243,943 shares of restricted stock;

- on September 19, 2014, the Registrant granted to the Registrant's President 1,449,017 shares of restricted stock; and
- on February 10, 2016, the Registrant granted to one of the Registrant's executive officers 724,509 shares of restricted stock.

In addition, on October 25, 2013, September 19, 2014, October 13, 2014, December 15, 2014, October 9, 2015, March 17, 2016 and June 27, 2016, the Registrant granted an aggregate of 14,547,362 stock options to certain of its or its subsidiaries' executives and other employees, which options had exercise prices ranging from \$1.00 to \$2.00 per share.

The grants of restricted stock and options described above were made in the ordinary course of business and did not involve any cash payments from the recipients. The restricted stock and options did not involve a "sale" of securities for purposes of Section 2(3) of the Securities Act and were otherwise made in reliance upon Section 4(2) of the Securities Act and Rule 701 under the Securities Act.

#### **Item 16. Exhibits and Financial Statement Schedules**

The list of exhibits is set forth under "Exhibit Index" at the end of this registration statement and is incorporated herein by reference.

Certain of the agreements included as exhibits to this prospectus contain representations and warranties by each of the parties to the applicable agreement. These representations and warranties have been made solely for the benefit of the other parties to the applicable agreement and:

- should not in all instances be treated as categorical statements of fact, but rather as a way of allocating the risk to one of the parties if those statements prove to be inaccurate;
- have been qualified by disclosures that were made to the other party in connection with the negotiation of the applicable agreement, which disclosures are not necessarily reflected in the agreement;
- may apply standards of materiality in a way that is different from what may be viewed as material to you or other investors; and
- were made only as of the date of the applicable agreement or such other date or dates as may be specified in the agreement and are subject to more recent developments.

The registrant acknowledges that, notwithstanding the inclusion of the foregoing cautionary statements, it is responsible for considering whether additional specific disclosures of material information regarding material contractual provisions are required to make the statements in this registration statement not misleading.

#### **Item 17. Undertakings**

The undersigned registrant hereby undertakes to provide to the underwriters at the closing specified in the underwriting agreement certificates in such denominations and registered in such names as required by the underwriters to permit prompt delivery to each purchaser.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange

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Commission, such indemnification is against public policy as expressed in the Securities Act, and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question of whether such indemnification is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

The undersigned registrant hereby undertakes that:

(i) for purposes of determining any liability under the Securities Act, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective; and

(ii) for the purpose of determining any liability under the Securities Act, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant has duly caused this Registration Statement on Form S-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Fremont, State of California, on April 24, 2017.

**ICHOR HOLDINGS, LTD.**

By: /s/ Thomas M. Rohrs

Name: Thomas M. Rohrs  
Title: Executive Chairman and Chief Executive Officer

\* \* \* \*

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons on April 24, 2017, in the capacities indicated.

<u>/s/ Thomas M. Rohrs</u> Thomas M. Rohrs	Executive Chairman, Director and Chief Executive Officer (Principal Executive Officer)
* <u>Maurice Carson</u>	Director, President and Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)
* <u>John Chenault</u>	Director
* <u>Dipanjan Deb</u>	Director
* <u>Andrew Kowal</u>	Director
* <u>Iain MacKenzie</u>	Director
<u>/s/ Thomas M. Rohrs</u> Thomas M. Rohrs	Authorized Representative in the United States

\* The undersigned by signing his name hereto, signs and executes this Amendment No. 1 to Registration Statement pursuant to the Powers of Attorney executed by the above named signatories and previously filed with the Securities and Exchange Commission on April 13, 2017.

By: /s/ Thomas M. Rohrs  
Attorney-in-Fact

## EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Description of Exhibit</u>
1.1**	Form of Underwriting Agreement.
3.1	Amended and Restated Memorandum and Articles of Association of Ichor Holdings, Ltd., effective as of December 9, 2016 (Incorporated by reference to Exhibit 3.1 to the current report on Form 8-K filed with the Securities and Exchange Commission on December 14, 2016).
5.1**	Maples and Calder opinion.
10.1	Credit Agreement, dated as of August 11, 2015, by and among Ichor Holdings, LLC, Precision Flow Technologies, Inc. and Ichor Systems, Inc., as borrowers, Icicle Acquisition Holding B.V. and certain of its other subsidiaries as guarantors, Bank of America, N.A. as administrative agent, L/C issuer, and swingline lender, and the lenders from time to time party thereto, or the Credit Agreement (Incorporated by reference to Exhibit 10.1 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.2	First Amendment to Credit Agreement, dated as of April 12, 2016, by and among Ichor Holdings, LLC, Ichor Systems, Inc. and Precision Flow Technologies, Inc., as borrowers, Bank of America, N.A., as administrative agent, and the financial institutions party thereto, as lenders (Incorporated by reference to Exhibit 10.2 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.3	Investor Rights Agreement, dated as of March 16, 2012, by and among Ichor Holdings, Ltd. and certain of its shareholders (Incorporated by reference to Exhibit 10.3 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.4	Members Agreement, dated as of March 16, 2012, by and among Ichor Holdings, Ltd. and certain of its shareholders (Incorporated by reference to Exhibit 10.4 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.5	Management Services Agreement, dated as of December 30, 2011, between Icicle Acquisition Holding, LLC and Francisco Partners Management, LLC (Incorporated by reference to Exhibit 10.5 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.6	Amended and Restated Master Consulting Services Agreement, effective as of January 1, 2015, by and between Ichor Systems, Inc. and Francisco Partners Consulting, LLC (Incorporated by reference to Exhibit 10.6 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016) .
10.7	Employment Agreement, dated as of September 19, 2014, by and among Ichor Systems, Inc., Thomas Rohrs and, with respect to Sections 1.2 and 3.4 therein only, Ichor Holdings, Ltd (Incorporated by reference to Exhibit 10.7 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).

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<u>Exhibit Number</u>	<u>Description of Exhibit</u>
10.8	Employment Agreement, dated as of September 19, 2014, by and among Ichor Systems, Inc., Maurice Carson and, with respect to Sections 1.2 and 3.3 therein only, Ichor Systems, Ltd (Incorporated by reference to Exhibit 10.8 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.9	Ichor Holdings, Ltd. 2016 Omnibus Incentive Plan (Incorporated by reference to Exhibit 10.11 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.10	Form of Incentive Stock Option Agreement (Incorporated by reference to Exhibit 10.12 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016) .
10.11	Form of Restricted Stock Agreement (Incorporated by reference to Exhibit 10.13 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.12	Form of Nonqualified Stock Option Agreement (Incorporated by reference to Exhibit 10.14 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.13	Offer Letter, dated as of January 8, 2013, by and between Ichor Systems, Inc. and Philip Barros (Incorporated by reference to Exhibit 10.16 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.14	Offer Letter, dated as of September 30, 2015, by and between Ichor Systems, Inc. and Philip Barros (Incorporated by reference to Exhibit 10.17 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
10.15	Master Consulting Services Agreement, effective as of January 1, 2016, by and between Ichor Systems, Inc. and Francisco Partners Consulting, LLC (Incorporated by reference to Exhibit 10.18 to Ichor Holdings, Ltd's Registration Statement on Form S-1, filed with the Securities and Exchange Commission on December 8, 2016).
21.1**	List of subsidiaries.
23.1**	Consent of KPMG LLP.
23.2	Consent of Maples and Calder (included in Exhibit 5.1).

\*\* Filed herewith

[ ] Shares

Ichor Holdings, Ltd.

Ordinary Shares

(\$0.0001 Par Value)

EQUITY UNDERWRITING AGREEMENT

[ ], 2017

Deutsche Bank Securities Inc.  
As Representative of the  
Several Underwriters

c/o Deutsche Bank Securities Inc.  
60 Wall Street, 4th Floor  
New York, New York 10005

Ladies and Gentlemen:

Certain shareholders named in Schedule II hereto (the “ **Selling Shareholders** ”) of Ichor Holdings, Ltd., a Cayman Islands exempt limited company (the “ **Company** ”), propose to sell to the several underwriters (the “ **Underwriters** ”) named on Schedule I hereto for whom you are acting as representative (the “ **Representative** ”) an aggregate of [ ] shares (the “ **Firm Shares** ”) of the Company’s ordinary shares, \$0.0001 par value (the “ **Ordinary Shares** ”). The respective amounts of the Firm Shares to be so purchased by the several Underwriters are set forth opposite their names on Schedule I hereto, and the respective amounts to be sold by the Selling Shareholders are set forth opposite their names on Schedule II hereto. The Selling Shareholders also propose to sell at the Underwriters’ option an aggregate of up to [ ] additional shares of the Company’s Ordinary Shares (the “ **Option Shares** ”) as set forth below.

As the Representative, you have advised the Company and the Selling Shareholders that the several Underwriters are willing, acting severally and not jointly, to purchase the numbers of Firm Shares set forth opposite their respective names on Schedule I hereto, plus their pro rata portion of the Option Shares if you elect to exercise the option in whole or in part for the accounts of the several Underwriters. The Firm Shares and the Option Shares (to the extent the aforementioned option is exercised) are herein collectively called the “ **Shares** .”

In consideration of the mutual agreements contained herein and of the interests of the parties in the transactions contemplated hereby, the parties hereto agree as follows:

1. REPRESENTATIONS AND WARRANTIES OF THE COMPANY AND THE SELLING SHAREHOLDERS.

(a) The Company represents and warrants to each of the Underwriters as follows:

(i) A registration statement on Form S-1 (File No. 333-217295) with respect to the Shares has been prepared by the Company in conformity in all material respects with the requirements of the Securities Act of 1933, as amended (the “**Act**”), and the rules and regulations (the “**Rules and Regulations**”) of the Securities and Exchange Commission (the “**Commission**”) thereunder and has been filed with the Commission. Copies of such registration statement, including any amendments thereto, the preliminary prospectuses (meeting the requirements of the Rules and Regulations) contained therein and the exhibits, financial statements and schedules, as finally amended and revised, have heretofore been made available by the Company to you, as Representative of the Underwriters. Such registration statement, together with any registration statement filed by the Company pursuant to Rule 462(b) under the Act, is herein referred to as the “**Registration Statement**,” which shall be deemed to include all information omitted therefrom in reliance upon Rules 430A under the Act and contained in the Prospectus referred to below, and has become effective under the Act. No post-effective amendment to the Registration Statement has been filed as of the date of this equity underwriting agreement (this “**Agreement**”). “**Prospectus**” means the form of prospectus first filed with the Commission pursuant to and within the time limits described in Rule 424(b) under the Act. Each preliminary prospectus included in the Registration Statement prior to the time it becomes effective is herein referred to as a “**Preliminary Prospectus**.”

(ii) As of the Applicable Time (as defined below) and as of the Closing Date or the Option Closing Date, as the case may be, none of (A) the General Use Free Writing Prospectus(es) (as defined below) issued at or prior to the Applicable Time, the Statutory Prospectus (as defined below) and the information included on Schedule III hereto, all considered together (collectively, the “**General Disclosure Package**”), or (B) any individual Limited Use Free Writing Prospectus (as defined below), when considered together with the General Disclosure Package, included or will include any untrue statement of a material fact or omitted or will omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that the Company makes no representations or warranties as to information contained in or omitted from the General Disclosure Package or any Issuer Free Writing Prospectus, in reliance upon, and in conformity with, written information furnished to the Company by or on behalf of any Underwriter through the Representative, specifically for use therein, it being understood and agreed that the only such information is that described in Section 13 hereof.

As used in this subsection and elsewhere in this Agreement:

“**Applicable Time**” means [ ] [a/p].m. (New York time) on the date of this Agreement or such other time as agreed to by the Company and the Representative.



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(iv) From the time of filing of the Registration Statement with the Commission through the date hereof, the Company has been and is an “emerging growth company,” as defined in Section 2(a) of the Act (an “Emerging Growth Company”).

(v) The outstanding Ordinary Shares, including all shares to be sold by the Selling Shareholders, have been, or with respect to shares to be issued upon the exercise of options by Selling Shareholders will be, duly authorized and validly issued and are, or with respect to shares to be issued upon the exercise of options by Selling Shareholders will be, fully paid and non-assessable, and no preemptive or similar rights of shareholders exist with respect to any of the Shares or the sale thereof. Neither the filing of the Registration Statement nor the offering or sale of the Shares as contemplated by this Agreement gives rise to any rights, other than those which have been waived or satisfied, for or relating to the registration of any Ordinary Shares.

(vi) The information with respect to the Company’s authorized, issued and outstanding capitalization set forth under the caption “Capitalization” in the Registration Statement and the Prospectus (and any similar section or information contained in the General Disclosure Package) is (or, upon the consummation of the transactions described therein, will be) true and correct in all material respects. All of the Shares conform to the description thereof contained in the Registration Statement, the General Disclosure Package and the Prospectus. The form of certificates for the Shares conforms to the corporate law of the jurisdiction of the Company’s incorporation and to any requirements of the Company’s organizational documents. Subsequent to the respective dates as of which information is given in the Registration Statement, the General Disclosure Package and the Prospectus, except as otherwise specifically stated therein or in this Agreement, the Company has not: (A) issued any securities (other than grants or exercises of equity-based awards pursuant to the Company’s equity incentive and employee benefit plans (including employee stock purchase plans) described in the Registration Statement, the General Disclosure Package and the Prospectus); (B) incurred any material liability or obligation, direct or contingent, for borrowed money; or (C) declared or paid any dividend or made any other distribution on or in respect to its capital stock.

(vii) The Commission has not issued an order preventing or suspending the use of any Preliminary Prospectus, any Issuer Free Writing Prospectus or the Prospectus relating to the proposed offering of the Shares, and no proceeding for that purpose or pursuant to Section 8A of the Act has been instituted or, to the Company’s knowledge, threatened by the Commission. The Registration Statement contains, and the Prospectus and any amendments or supplements thereto will contain, all statements which are required to be stated therein by, and will conform to, the requirements of the Act and the Rules and Regulations, in each case in all material respects. The Registration Statement and any amendments thereto do not contain, and will not contain, any untrue statement of a material fact and do not omit, and will not omit, to state a material fact required to be stated therein or necessary to make the statements therein not misleading, and the Prospectus and any amendments and supplements thereto do not contain, and will not contain, any untrue statement of a material fact; and do not omit, and will not omit, to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that the Company makes no representations or warranties as to information contained in or omitted from the Registration Statement or the Prospectus, or any such

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amendment or supplement, in reliance upon, and in conformity with, written information furnished to the Company by or on behalf of (x) any Underwriter through the Representative, specifically for use therein, it being understood and agreed that the only such information is that described in Section 13 hereof, or (y) any Selling Shareholder specifically for use therein, it being understood and agreed the only such information is the Selling Shareholder Information (as defined herein).

(viii) No Issuer Free Writing Prospectus conflicts or will conflict with the information contained in the Registration Statement or the Prospectus, and any preliminary or other prospectus deemed to be a part thereof that has not been superseded or modified. The Company has made available a Bona Fide Electronic Road Show in compliance with Rule 433(d)(8)(ii) such that no filing of any “road show” (as defined in Rule 433(h)) is required in connection with the offering of the Shares.

(ix) The Company has not, directly or indirectly, distributed and will not distribute any offering material in connection with the offering and sale of the Shares other than any Preliminary Prospectus, the Prospectus and other materials, if any, permitted under the Act and consistent with Section 4(a)(ii) hereof. The Company will file with the Commission all Issuer Free Writing Prospectuses in the time required under Rule 433(d) under the Act.

(x) (A) At the time after the filing of the Registration Statement that the Selling Shareholders or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) under the Act) of the Shares and (B) as of the date hereof (with such date being used as the determination date for purposes of this clause (B)), the Company was not and is not an “ineligible issuer” (as defined in Rule 405 under the Act, without taking into account any determination by the Commission pursuant to Rule 405 under the Act that it is not necessary that the Company be considered an ineligible issuer), including, without limitation, for purposes of Rules 164 and 433 under the Act with respect to the offering of the Shares as contemplated by the Registration Statement.

(xi) The consolidated financial statements of the Company and the consolidated Subsidiaries, together with related notes and schedules as set forth in the Registration Statement, the General Disclosure Package and the Prospectus, comply in all material respects with the applicable requirements of the Act and present fairly in all material respects the financial position and the results of operations and cash flows of the Company and the consolidated Subsidiaries, at the indicated dates and for the indicated periods. Such financial statements and related schedules have been prepared in accordance with United States generally accepted principles of accounting (“**GAAP**”), consistently applied throughout the periods involved, except as disclosed therein, and all adjustments necessary for a fair presentation of results for such periods have been made. The summary and selected consolidated financial and statistical data included in the Registration Statement, the General Disclosure Package and the Prospectus present fairly in all material respects the information shown therein and such data have been compiled on a basis consistent with the financial statements presented therein and the books and records of the Company. All disclosures contained in the Registration Statement, the General Disclosure Package and the Prospectus regarding “non-GAAP financial measures” (as such term is defined by the Rules and Regulations) comply in all material respects with Regulation G of the Securities Exchange Act of 1934, as

amended (the “ **Exchange Act** ”), and Item 10 of Regulation S-K under the Act, to the extent applicable. The Company and the Subsidiaries do not have any material liabilities or obligations, direct or contingent (including any off-balance sheet obligations or any “variable interest entities” within the meaning of Financial Accounting Standards Board Interpretation No. 46), not disclosed in the Registration Statement, the General Disclosure Package and the Prospectus. There are no financial statements (historical or pro forma) that are required to be included in the Registration Statement, the General Disclosure Package or the Prospectus that are not included as required.

(xii) KPMG LLP, who have certified certain of the financial statements filed with the Commission as part of the Registration Statement, the General Disclosure Package and the Prospectus, is an independent registered public accounting firm with respect to the Company and the Subsidiaries within the meaning of the Act and the applicable Rules and Regulations and the Public Company Accounting Oversight Board (United States) (the “ **PCAOB** ”) as required by the Act.

(xiii) The Company has taken all necessary actions to ensure that it is in compliance in all material respects with all provisions of the Sarbanes-Oxley Act of 2002, as amended, and the rules and regulations promulgated by the Commission thereunder (collectively, the “ **Sarbanes-Oxley Act** ”) that are in effect and with which the Company is required to comply (including Section 402 related to loans) and is actively taking steps to ensure that it will be in compliance in all material respects with other provisions of the Sarbanes-Oxley Act not currently in effect or which will become applicable to the Company. As of the date of the initial filing of the registration statement referred to in Section 1(a)(i) hereof, there were no outstanding personal loans made, directly or indirectly, by the Company to any director or executive officer of the Company.

(xiv) There is no legal, governmental, administrative or regulatory investigation, action, suit, claim or proceeding pending or, to the knowledge of the Company, threatened against the Company or any of the Subsidiaries, or to which any property of the Company or the Subsidiaries is, or to the knowledge of the Company, would reasonably be expected to be, subject, before any court or regulatory or administrative agency or otherwise which if determined adversely to the Company or any of the Subsidiaries would, individually or in the aggregate, have a Material Adverse Effect. There are no current or pending legal, governmental, administrative or regulatory investigations, actions, suits, claims or proceedings that are required under the Act to be described in the Registration Statement, the General Disclosure Package or the Prospectus that are not so described in the Registration Statement, the General Disclosure Package or the Prospectus. There are no contracts or other documents that are required under the Act to be filed as exhibits to the Registration Statement or described in the Registration Statement, the General Disclosure Package or the Prospectus that are not so filed as exhibits to the Registration Statement or described in the Registration Statement, the General Disclosure Package or the Prospectus.

(xv) The Company and the Subsidiaries have good and marketable title to all of the properties and assets reflected in the consolidated financial statements hereinabove described or described in the Registration Statement, the General Disclosure Package and the Prospectus, subject

to no lien, mortgage, pledge, charge or encumbrance of any kind except those reflected in such financial statements or described in the Registration Statement, the General Disclosure Package and the Prospectus or which, in either case, (i) do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries or (ii) would not, individually or in the aggregate, have a Material Adverse Effect. The Company and the Subsidiaries occupy their leased properties under valid and binding leases, conforming in all material respects to the description thereof set forth in the Registration Statement, the General Disclosure Package and the Prospectus, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights and to general equity principles.

(xvi) The Company and the Subsidiaries have filed all material U.S. federal, state, local and foreign tax returns which have been required to be filed and have paid all taxes indicated by such returns and all assessments received by them or any of them to the extent that such taxes have become due, except for any such taxes being contested in good faith and for which an adequate reserve or accrual has been established in accordance with GAAP or where the failure to file or pay would not, individually or in the aggregate, have a Material Adverse Effect.

(xvii) Since the date of the most recent financial statements included in the Registration Statement, the General Disclosure Package and the Prospectus, (A) there has not been any material adverse change or any development involving a prospective material adverse change in or affecting the earnings, business, management, properties, assets, rights, operations, condition (financial or otherwise), or prospects of the Company and the Subsidiaries taken as a whole, whether or not occurring in the ordinary course of business, other than as described in the Registration Statement, the General Disclosure Package and the Prospectus, as each may be amended or supplemented, (B) there has not been any material transaction entered into or any material transaction that is probable of being entered into by the Company or the Subsidiaries, other than transactions in the ordinary course of business and changes and transactions described in the Registration Statement, the General Disclosure Package and the Prospectus, as each may be amended or supplemented, and (C) neither the Company nor any of the Subsidiaries has sustained any loss or interference with its business that is material to the Company and the Subsidiaries taken as a whole and that is either from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor disturbance or dispute or any action, order or decree of any court or arbitrator or governmental or regulatory authority, except in each case as otherwise disclosed in the Registration Statement, the General Disclosure Package and the Prospectus.

(xviii) Neither the Company nor any of the Subsidiaries is or, with respect to clause (B) only, with the giving of notice or lapse of time or both, will be, (A) in violation of its memorandum and articles of association, certificate or articles of incorporation, charter, by-laws, certificate of formation, limited liability company agreement, partnership agreement or other organizational documents, as applicable, (B) in violation of or in default under any agreement, lease, contract, indenture or other instrument or obligation to which it is a party or by which it, or any of its properties, is bound or (C) in violation of any law, order, rule or regulation judgment, order, writ or decree applicable to the Company or any Subsidiary of any court or of any government, regulatory body or administrative agency or other governmental body having jurisdiction over the

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Company or any Subsidiary, or any of their properties or assets, except in the case of clauses (B) and (C), for such violations or defaults as would not, individually or in the aggregate, have a Material Adverse Effect. The execution and delivery of this Agreement and the consummation of the transactions herein contemplated and the fulfillment of the terms hereof do not and will not conflict with or result in a breach of any of the terms or provisions of, or constitute a default under, (x) any indenture, mortgage, deed of trust or other agreement or instrument to which the Company or any Subsidiary is a party or by which the Company or any Subsidiary or any of their respective properties is bound, (y) the memorandum and articles of association, certificate of incorporation or formation, articles of incorporation or association, charter, by-laws or other organizational documents, as applicable, of the Company or (z) any law, order, rule or regulation, judgment, order, writ or decree applicable to the Company or any Subsidiary of any court or of any government, regulatory body or administrative agency or other governmental body having jurisdiction over the Company or any Subsidiary, or any of their properties or assets, except in the case of clauses (x) and (z), as would not have a Material Adverse Effect.

(xix) The execution and delivery of, and the performance by the Company of its obligations under, this Agreement has been duly and validly authorized by all necessary corporate, limited liability company or similar applicable action on the part of the Company, and this Agreement has been duly executed and delivered by the Company.

(xx) Each approval, consent, order, authorization, designation, declaration or filing by or with any regulatory, administrative or other governmental body necessary in connection with the execution and delivery by the Company of this Agreement and the consummation of the transactions herein contemplated has been obtained or made and is in full force and effect (except such additional steps as may be required by the Commission, the Financial Industry Regulatory Authority, Inc. (“**FINRA**”) or such additional steps as may be necessary to qualify the Shares for public offering by the Underwriters under state securities or Blue Sky laws).

(xxi) Except as would not, individually or in the aggregate, have a Material Adverse Effect, the Company and the Subsidiaries (A) hold all licenses, registrations, certificates and permits from governmental authorities (collectively, “**Governmental Licenses**”) which are necessary to the conduct of their business, (B) are in compliance with the terms and conditions of all Governmental Licenses, and all Governmental Licenses are valid and in full force and effect, and (C) have not received any written notice of proceedings relating to the revocation or modification of any Governmental License.

(xxii) The Company and the Subsidiaries own or possess or can obtain on reasonable terms the right to use all patents, inventions, trademarks, trade names, service marks, logos, trade dress, designs, data, database rights, Internet domain names, rights of privacy, rights of publicity, copyrights, works of authorship, license rights, trade secrets, know-how and proprietary information (including unpatented and unpatentable proprietary or confidential information, inventions, systems or procedures) and other intellectual property rights, as well as related rights, such as the right to sue for all past, present and future infringements or misappropriations of any of the foregoing, and registrations and applications for registration of any of the foregoing (collectively, “**Intellectual Property**”) necessary to conduct their business as presently conducted

and currently contemplated to be conducted in the future, except as would not have a Material Adverse Effect. Neither the Company nor any of the Subsidiaries, whether through their respective products and services or the conduct of their respective businesses, has materially infringed, misappropriated, conflicted with or otherwise violated, or is currently materially infringing, misappropriating, conflicting with or otherwise violating, and none of the Company or the Subsidiaries have received any written communication or notice of infringement of, misappropriation of, conflict with or violation of, any Intellectual Property of any other person or entity. The Company knows of no infringement, misappropriation or violation by others of Intellectual Property owned by or licensed to the Company or the Subsidiaries. The Company and the Subsidiaries have taken all reasonable steps necessary to secure their interests in such Intellectual Property from their employees and contractors and to protect the confidentiality of all of their confidential information and trade secrets.

(xxiii) None of the Intellectual Property employed by the Company or the Subsidiaries has been obtained or is being used by the Company or the Subsidiaries in material violation of any contractual obligation binding on the Company or any of the Subsidiaries or any of their respective officers, directors or employees or otherwise in material violation of the rights of any persons. The Company and the Subsidiaries own or have a valid right to access and use all material computer systems, networks, hardware, software, databases, websites, and equipment used to process, store, maintain and operate data, information, and functions used in connection with the business of the Company and the Subsidiaries (the "**Company IT Systems**"). The Company IT Systems are adequate for, and operate and perform in all material respects as required in connection with, the operation of the business of the Company and the Subsidiaries as currently conducted, except as would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. The Company and the Subsidiaries have implemented commercially reasonable backup, security and disaster recovery technology consistent in all material respects with applicable regulatory standards and customary industry practices.

(xxiv) Neither the Company nor, to the Company's knowledge, any of its affiliates, has taken or may take, directly or indirectly, any action designed to cause or result in, or which has constituted or which might reasonably be expected to constitute, the stabilization or manipulation of the price of the Ordinary Shares to facilitate the sale or resale of the Shares.

(xxv) Neither the Company nor any Subsidiary is or, after giving effect to the offering and sale of the Shares contemplated hereunder and the application of the net proceeds from such sale as described in the Registration Statement, the General Disclosure Package and the Prospectus, will be required to register as an "investment company" or an entity "controlled" by an "investment company" within the meaning of the Investment Company Act of 1940, as amended, and the rules and regulations of the Commission thereunder.

(xxvi) The Company and the Subsidiaries maintain systems of "internal control over financial reporting" (as defined in Rule 13a-15(f) of the Exchange Act) that have been designed by, or under the supervision of, the Company's principal executive and principal financial officers, or persons performing similar functions, to provide reasonable assurance

regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP, including, but not limited to, internal accounting controls sufficient to provide reasonable assurance that: (A) transactions are executed in accordance with management's general or specific authorization; (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; (C) access to assets is permitted only in accordance with management's general or specific authorization; and (D) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. There are no material weaknesses in the Company's internal control over financial reporting, and there has been no change in internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting since the respective dates as of which information is given in the Registration Statement, the General Disclosure Package and the Prospectus. The Company's auditors and the Audit Committee of the Board of Directors of the Company have been advised of: (x) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which have adversely affected or are reasonably likely to adversely affect the Company's ability to record, process, summarize and report financial information; and (y) any fraud, whether or not material, that involves management or other employees who have a significant role in the Company's internal controls over financial reporting.

(xxvii) The Company has established and maintains "disclosure controls and procedures" (as defined in Rules 13a-14(c) and 15d-14(c) under the Exchange Act); the Company's "disclosure controls and procedures" are reasonably designed to ensure that all information (both financial and non-financial) required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the rules and regulations under the Exchange Act, and that all such information is accumulated and communicated to the Company's management as appropriate to allow timely decisions regarding required disclosure and to make the certifications of the Chief Executive Officer and Chief Financial Officer of the Company required under the Exchange Act with respect to such reports; *provided* that this subsection does not require that the Company comply with Section 404 of the Sarbanes-Oxley Act as of an earlier date than it would otherwise be required to so comply.

(xxviii) Nothing has come to the attention of the Company that has caused the Company to believe that the statistical, industry-related and market-related data included in the Registration Statement, the General Disclosure Package and the Prospectus are based on or derived from sources that are not reliable and accurate in all material respects.

(xxix) The operations of the Company and the Subsidiaries are and have been conducted at all times in compliance in all material respects with applicable financial record-keeping and reporting requirements, including those of the Bank Secrecy Act, as amended by Title III of the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act of 2001 (USA PATRIOT Act), the Currency and Foreign Transactions Reporting Act of 1970, as amended, the applicable money laundering statutes of jurisdictions where the Company and the Subsidiaries conduct business, the applicable rules and regulations thereunder

and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the “ **Money Laundering Laws** ”), and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of the Subsidiaries with respect to the Money Laundering Laws is pending or, to the Company’s knowledge, threatened.

(xxx) Neither the Company nor, to the Company’s knowledge, any director, officer, agent, employee, affiliate or representative of the Company or any of the Subsidiaries is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department (“OFAC”) or any similar sanctions imposed by any other body, governmental or other, to which the Company or any of the Subsidiaries is subject (collectively, “ **other economic sanctions** ”).

(xxxii) Neither the Company nor any of the Subsidiaries nor, to the Company’s knowledge, any director, officer, agent, employee, affiliate or other person acting on behalf of the Company or any of the Subsidiaries: (A) has used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (B) has made any direct or indirect unlawful contribution or payment to any official of, or candidate for, or any employee of, any federal, state or foreign office from corporate funds; (C) has made any bribe, unlawful rebate, payoff, influence payment, kickback or other unlawful payment; or (D) is aware of or has taken any action, directly or indirectly, that would result in a violation by such persons of the OECD Convention on Bribery of Foreign Public Officials in International Business Transactions (“ **OECD Convention** ”), the Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder (collectively, the “ **FCPA** ”) or any similar law or regulation to which the Company, any of the Subsidiaries, any director, officer, agent, employee, affiliate or other person acting on behalf of the Company or any of the Subsidiaries is subject. The Company, the Subsidiaries and their affiliates have each conducted their businesses in compliance with the FCPA and any applicable similar law or regulation and have instituted and maintain policies and procedures designed to ensure, and which are reasonably expected to continue to ensure, continued compliance therewith.

(xxxiii) The Company and each of the Subsidiaries carry, or are covered by, insurance, from insurers of recognized financial responsibility, in such amounts and covering such risks as is adequate for the conduct of their respective businesses and the value of their respective properties and as is prudent and customary for companies engaged in similar businesses; and the Company and the Subsidiaries have no reason to believe that they will not be able to renew their existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue their respective businesses at a cost that would not, individually or in the aggregate, have a Material Adverse Effect.

(xxxiiii) (A) Each “employee benefit plan” (within the meaning of Section 3(3) of the Employee Retirement Income Security Act of 1974, as amended, including the regulations and published interpretations thereunder (“ **ERISA** ”)) for which the Company or any member of its “ **Controlled Group** ” (defined as any organization that is a member of a controlled group of corporations within the meaning of Section 414 of the Internal Revenue Code of 1986, as amended

(the “ **Code** ”)) would have liability (each a “ **Plan** ”) is in compliance in all material respects with all presently applicable statutes, rules and regulations, including ERISA and the Code; (B) with respect to each Plan subject to Title IV of ERISA (i) no “reportable event” (as defined in Section 4043 of ERISA) has occurred for which the Company or any member of its Controlled Group would have any material liability; and (ii) neither the Company nor any member of its Controlled Group has incurred or expects to incur material liability under Title IV of ERISA (other than for contributions to the Plan or premiums payable to the Pension Benefit Guaranty Corporation, in each case in the ordinary course and without default); (C) no Plan which is subject to Section 412 of the Code or Section 302 of ERISA has failed to satisfy the minimum funding standard within the meaning of such sections of the Code or ERISA; and (D) each Plan that is intended to be qualified under Section 401(a) of the Code is so qualified and nothing has occurred, whether by action or by failure to act, which would cause the loss of such qualification.

(xxiv) [Removed and Reserved.]

(xxxv) Except in each case as otherwise disclosed in the Registration Statement, the General Disclosure Package and the Prospectus: (A) the Company and each Subsidiary have complied and are in compliance, in all material respects, with all applicable federal, state, local, foreign and international laws (including the common law), statutes, rules, regulations, orders, judgments, decrees or other legally binding requirements of any court, administrative agency or other governmental authority relating to pollution or to the protection of the environment, natural resources or human health or safety, or to the manufacture, use, generation, treatment, storage, disposal, release or threatened release of hazardous or toxic substances, pollutants, contaminants or wastes, or the arrangement for such activities ( “**Environmental Laws**” ); (B) the Company and each Subsidiary have obtained and are in compliance, in all material respects, with all permits, licenses, authorizations or other approvals required of them under Environmental Laws to conduct their respective businesses and are not subject to any action to revoke, terminate, cancel, limit, amend or appeal any such permits, licenses, authorizations or approvals; (C) neither the Company nor any Subsidiary is a party to any judicial or administrative proceeding (including a notice of violation) under any Environmental Laws (i) to which a governmental authority is also a party and which involves potential monetary sanctions, unless it could reasonably be expected that such proceeding will result in monetary sanctions of less than \$100,000, or (ii) which is otherwise material; and no such proceeding has been threatened or is known to be contemplated; (D) neither the Company nor any Subsidiary has received written notice or is otherwise aware of any pending or threatened material claim or potential liability under Environmental Laws in respect of its past or present business, operations (including the disposal of hazardous substances at any off-site location), facilities or real property (whether owned, leased or operated) or on account of any predecessor or any person whose liability under any Environmental Laws it has agreed to assume; and neither the Company nor any Subsidiary is aware of any facts or conditions that could reasonably be expected to give rise to any such claim or liability; and (E) neither the Company nor any Subsidiary is aware of any matters regarding compliance with existing or reasonably anticipated Environmental Laws, or with any liabilities or other obligations under Environmental Laws (including asset retirement obligations), that could reasonably be expected to have a material effect on the capital expenditures, earnings or competitive position of the Company and the Subsidiaries.

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(xxxvi) The Shares have been approved for listing on the NASDAQ Global Select Market.

(xxxvii) There are no related-party transactions involving the Company or any of the Subsidiaries or any other person required to be described in the Registration Statement and the Prospectus which have not been described in such documents and the General Disclosure Package as required.

(xxxviii) Except in each case as otherwise disclosed in the Registration Statement, the General Disclosure Package and the Prospectus, no Subsidiary of the Company is currently prohibited, directly or indirectly, from paying any dividends to the Company, from making any other distribution on such Subsidiary's capital stock, from repaying to the Company any loans or advances to such Subsidiary from the Company or from transferring any of such Subsidiary's property or assets to the Company or any other Subsidiary of the Company.

(xii) No labor disturbance by or dispute with employees of the Company or any of the Subsidiaries exists or, to the knowledge of the Company, is threatened.

(xi) Neither the Company nor any of the Subsidiaries is a party to any contract, agreement or understanding with any person (other than this Agreement) that would give rise to a valid claim against the Company or any of the Subsidiaries or any Underwriter for a brokerage commission, finder's fee or like payment in connection with the offering and sale of the Shares.

(b) Each of the Selling Shareholders severally and not jointly represents and warrants as follows:

(i) Such Selling Shareholder now has (other than with respect to Shares to be issued upon the exercise of options) and at the Closing Date and the Option Closing Date, as the case may be (as such dates are hereinafter defined), will have, good and marketable title to the Firm Shares and the Option Shares to be sold by such Selling Shareholder, free and clear of any liens, encumbrances, equities and claims, and full right, power and authority to effect the sale and delivery of such Firm Shares and Option Shares.

(ii) Such Selling Shareholder has full right, power and authority to execute and deliver this Agreement and to perform its obligations under this Agreement. This Agreement has been duly authorized, executed and delivered by or on behalf of such Selling Shareholder. The execution and delivery of this Agreement and the consummation by such Selling Shareholder of the transactions herein contemplated and the fulfillment by such Selling Shareholder of the terms hereof will not require any consent, approval, authorization, or other order of any court, regulatory body, administrative agency or other governmental body (except as may be required under the Act, state securities laws or Blue Sky laws) and will not result in a breach of any of the terms and provisions of, or constitute a default under, organizational documents of such Selling Shareholder, if not an individual, or any indenture, mortgage, deed of trust or other agreement or instrument to which such Selling Shareholder is a party, or of any order, rule or regulation applicable to such Selling Shareholder of any court or of any regulatory body or administrative agency or other governmental body having jurisdiction.

(iii) Such Selling Shareholder has not taken and will not take, directly or indirectly, any action designed to, or which has constituted, or which might reasonably be expected to cause or result in the stabilization or manipulation of the price of the Ordinary Shares and, other than as permitted by the Act, the Selling Shareholder will not distribute any prospectus or other offering material in connection with the offering of the Shares.

(iv) As of the date hereof, the sale of the Firm Shares and the Option Shares by such Selling Shareholder pursuant hereto is not prompted by any material information concerning the Company or any of the Subsidiaries which is not set forth in the Registration Statement, the General Disclosure Package or the Prospectus; *provided, however*, that, except with respect to the Selling Shareholder Information (as defined herein), no representation or warranty is being made hereby as to whether the Registration Statement, the General Disclosure Package or the Prospectus contains any untrue statement of a material fact or omits to state any material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances in which they are made, not misleading.

(v) As of the Applicable Time and as of the Closing Date or the Option Closing Date, as the case may be, neither (i) the General Disclosure Package nor (ii) any individual Limited Use Free Writing Prospectus, when considered together with the General Disclosure Package, included or will include any untrue statement of a material fact or omitted or will omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that such Selling Shareholder makes no representations or warranties as to information contained in or omitted from the General Disclosure Package or any individual Limited Use Free Writing Prospectus, in reliance upon, and in conformity with, written information furnished to the Company by or on behalf of any Underwriter through the Representative specifically for use therein, it being understood and agreed that the only such information is that described in Section 13 hereof; *provided further*, that such representations and warranties set forth in this Section 1(b)(v) apply only to statements or omissions furnished in writing by or on behalf of such Selling Shareholder expressly for use in the General Disclosure Package, it being understood and agreed that for purposes of this Agreement, the only information so furnished consists of the legal name, address and number of shares which appear in the table (and corresponding footnotes) under the caption "Principal and Selling Shareholders" in the Registration Statement, Preliminary Prospectus and Prospectus (the "**Selling Shareholder Information**").

(vi) No consent, approval or waiver is required under any instrument or agreement to which such Selling Shareholder is a party or by which such Selling Shareholder is bound or under which he or it is entitled to any right or benefit, in connection with the offering, sale or purchase by the Underwriters of any of the Shares which may be sold by such Selling Shareholder under this Agreement or the consummation by such Selling Shareholder of any of the other transactions contemplated hereby.

(vii) There are no affiliations or associations between any member of FINRA and such Selling Shareholder or any affiliate of such Selling Shareholder.

(viii) Such Selling Shareholder is not a party to any contract, agreement or understanding with any person (other than this Agreement) that would give rise to a valid claim against the Company or any of the Subsidiaries or any Underwriter for a brokerage commission, finder's fee or like payment in connection with the offering and sale of the Shares.

(ix) Such Selling Shareholder has not prepared or had prepared on its behalf or used or referred to any "free writing prospectus" as defined in Rule 405 under the Act and has not distributed any written materials in connection with the offer or sale of the Shares.

(x) Neither such Selling Shareholder, nor any of its subsidiaries, any director or officer thereof, or, to the Selling Shareholder's knowledge, any employee, agent, affiliate or representative of such Selling Shareholder or any of its subsidiaries, is a person that is, or is owned or controlled by a person that is currently subject to any U.S. sanctions administered by OFAC or other economics sanctions; and such Selling Shareholders will not directly or indirectly use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC or other economic sanctions.

(xi) Neither such Selling Shareholder, nor, to the best knowledge of such Selling Shareholder, any director, officer, employee, agent or other affiliate or other person associated with or acting on behalf of such Selling Shareholder: (i) has used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (ii) has made any direct or indirect unlawful contribution or payment to any official of, or candidate for, or any employee of, any federal, state or foreign office from corporate funds; (iii) has made any bribe, unlawful rebate, payoff, influence payment, kickback or other unlawful payment; or (iv) is aware of or has taken any action, directly or indirectly, that would result in a violation by such persons of the OECD Convention, the FCPA or any related or similar rules, regulations or guidelines issued, administered or enforced by any governmental agency.

(xii) The operations of such Selling Shareholder and its subsidiaries are and have been conducted at all times in compliance with Money Laundering Laws, and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Selling Shareholder, any director, officer, employee, agent or other affiliate or other person associated with or acting on behalf of such Selling Shareholder with respect to the Money Laundering Laws is pending or, to such Selling Shareholder's knowledge, threatened.

## 2. PURCHASE, SALE AND DELIVERY OF THE SHARES.

(a) On the basis of the representations, warranties and covenants herein contained, and subject to the conditions herein set forth, each Selling Shareholder agrees to sell to the Underwriters, and each Underwriter agrees, severally and not jointly, to purchase, at a price of \$[ • ] per share, the

number of Firm Shares set forth opposite the name of each Underwriter on Schedule I hereto, subject to adjustments in accordance with Section 9 hereof. The number of Firm Shares to be purchased by each Underwriter from each Seller shall be as nearly as practicable in the same proportion to the total number of Firm Shares being sold by each Selling Shareholder as the number of Firm Shares being purchased by each Underwriter bears to the total number of Firm Shares to be sold hereunder. The obligations of each of the Selling Shareholders shall be several and not joint.

(b) Payment for the Firm Shares to be sold hereunder is to be made in federal (same day) funds to account(s) designated by each Selling Shareholder, in each case against delivery of book-entry interests or certificates, as applicable, therefor to the Representative for the several accounts of the Underwriters. Such payment and delivery are to be made through the facilities of The Depository Trust Company, New York, New York, at 10:00 a.m., New York time, on the third business day after the date of this Agreement or at such other time and date not later than five business days thereafter as you and the Company shall agree upon, such time and date being herein referred to as the “ **Closing Date** .” The book-entry interests or certificates, as applicable, for the Firm Shares, will be delivered in such denominations and in such registrations as the Representative requests in writing not later than the second full business day prior to the Closing Date, and will be made available for inspection by the Representative at least one business day prior to the Closing Date. As used herein, “ **business day** ” means a day on which the New York Stock Exchange is open for trading and on which banks in New York are open for business and not permitted by law or executive order to be closed.

(c) In addition, on the basis of the representations and warranties herein contained and subject to the terms and conditions herein set forth, the Selling Shareholders listed on Schedule II hereto hereby grant an option to the several Underwriters to purchase the Option Shares at the price per share as set forth in Section 2(a) hereof. The maximum number of Option Shares to be sold by the Selling Shareholders is set forth opposite their respective names on Schedule II hereto. The option granted hereby may be exercised in whole or in part by giving written notice (i) at any time before the Closing Date and (ii) at any time, from time to time thereafter within 30 days after the date of this Agreement, by you, as Representative of the several Underwriters, to the Selling Shareholders setting forth the number of Option Shares as to which the several Underwriters are exercising the option and the time and date at which such book-entry interests or certificates, as applicable, are to be delivered. If the option granted hereby is exercised in part, the respective number of Option Shares to be sold by each of the Selling Shareholders listed on Schedule II hereto shall be determined on a pro rata basis in accordance with the percentages set forth opposite their names on Schedule II hereto, adjusted by you in such manner as to avoid fractional shares. The time and date at which book-entry interests or certificates, as applicable, for Option Shares are to be delivered shall be determined by the Representative but shall not be earlier than three nor later than 10 full business days after the exercise of such option, nor in any event prior to the Closing Date (such time and date being herein referred to as the “ **Option Closing Date** ”). If the date of exercise of the option is three or more days before the Closing Date, the notice of exercise shall set the Closing Date as the Option Closing Date. The number of Option Shares to be purchased by each Underwriter shall be in the same proportion to the total number of Option Shares being purchased as the number of Firm Shares being purchased by such Underwriter bears to the total number of Firm Shares, adjusted by you in such manner as to avoid fractional shares. You, as Representative of the

several Underwriters, may cancel such option at any time prior to its expiration by giving written notice of such cancellation to the Selling Shareholders. To the extent, if any, that the option is exercised, payment for the Option Shares shall be made on the Option Closing Date in federal (same day) funds drawn to the order of each Selling Shareholder against delivery of book-entry interests or certificates, as applicable, therefor through the facilities of The Depository Trust Company, New York, New York.

3. OFFERING BY THE UNDERWRITERS.

It is understood that the several Underwriters are to make a public offering of the Firm Shares as soon as the Representative deems it advisable to do so. The Firm Shares are to be initially offered to the public at the initial public offering price set forth in the Prospectus. The Representative may from time to time thereafter change the public offering price and other selling terms.

It is further understood that you will act as the Representative for the Underwriters in the offering and sale of the Shares in accordance with a Master Agreement Among Underwriters entered into by you and the several other Underwriters.

4. COVENANTS OF THE COMPANY AND THE SELLING SHAREHOLDERS.

(a) The Company covenants and agrees with the several Underwriters that:

(i) The Company will (A) prepare and timely file with the Commission under Rule 424(b) under the Act a Prospectus in a form approved by the Representative containing information previously omitted at the time of effectiveness of the Registration Statement in reliance on Rules 430A under the Act, (B) not file any amendment to the Registration Statement or distribute an amendment or supplement to the General Disclosure Package or the Prospectus of which the Representative shall not previously have been advised and furnished with a copy or to which the Representative shall have reasonably objected in writing or which is not in compliance with the Rules and Regulations and (C) file on a timely basis all reports and any definitive proxy or information statements required to be filed by the Company with the Commission subsequent to the date of the Prospectus and prior to the termination of the offering of the Shares by the Underwriters.

(ii) The Company will (A) not make any offer relating to the Shares that would constitute an Issuer Free Writing Prospectus or that would otherwise constitute a "free writing prospectus" (as defined in Rule 405 under the Act) required to be filed by the Company with the Commission under Rule 433 under the Act unless the Representative approves its use in writing prior to first use (such approval not to be unreasonably withheld) (each, a "**Permitted Free Writing Prospectus**"); *provided* that the prior written consent of the Representative hereto shall be deemed to have been given in respect of the Issuer Free Writing Prospectus(es) included on Schedule IV hereto, (B) treat each Permitted Free Writing Prospectus as an Issuer Free Writing Prospectus, (C) comply with the requirements of Rules 164 and 433 under the Act applicable to any Issuer Free Writing Prospectus, including the requirements relating to timely filing with the Commission, legending and record keeping and (D) not take any action that would result in an Underwriter or the

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Company being required to file with the Commission pursuant to Rule 433(d) under the Act a free writing prospectus prepared by or on behalf of such Underwriter that such Underwriter otherwise would not have been required to file thereunder. The Company will satisfy the conditions in Rule 433 under the Act to avoid a requirement to file with the Commission any electronic road show.

(iii) The Company will promptly notify the Representative if the Company ceases to be an Emerging Growth Company at any time prior to the later of (A) completion of the distribution of the Securities within the meaning of the Act and (B) completion of the 90-day restricted period referred to in Section 4(a)(xiii) hereof.

(iv) The Company will advise the Representative as promptly as practicable (A) when the Registration Statement or any post-effective amendment thereto shall have become effective, (B) of receipt of any comments from the Commission, (C) when any supplement to the Prospectus or any Issuer Free Writing Prospectus or any amendment to the Prospectus has been filed, (D) of any request of the Commission for amendment of the Registration Statement or for supplement to the General Disclosure Package or the Prospectus or for any additional information, (E) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any order preventing or suspending the use of any Preliminary Prospectus, any Issuer Free Writing Prospectus or the Prospectus, or of the institution of any proceedings for that purpose or pursuant to Section 8A of the Act, (F) of the occurrence of any event within the Prospectus Delivery Period as a result of which the Prospectus, the General Disclosure Package or any Issuer Free Writing Prospectus as then amended or supplemented would include any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances existing when the Prospectus, the General Disclosure Package or any such Issuer Free Writing Prospectus is delivered to a purchaser, not misleading, and (G) of the receipt by the Company of any notice with respect to any suspension of the qualification of the Shares for offer and sale in any jurisdiction or the initiation or, to the knowledge of the Company, threatening of any proceeding for such purpose. The Company will use its reasonable best efforts to prevent the issuance of any order referred to in clause (E) or (G) of this paragraph and to obtain as soon as practicable the lifting thereof, if issued.

(v) The Company will cooperate with the Representative in endeavoring to qualify the Shares for sale under the securities laws of such jurisdictions as the Representative may reasonably have designated in writing and will make such applications, file such documents, and furnish such information as may be reasonably required for that purpose; *provided* that the Company shall not be required to (A) qualify as a foreign corporation, (B) file a general consent to service of process in any jurisdiction where it is not now so qualified or required to file such a consent, or (C) subject itself to taxation in any such jurisdiction if it is not otherwise so subject. The Company will, from time to time, prepare and file such statements, reports, and other documents, as are or may be required to continue such qualifications in effect for so long a period as the Representative may reasonably request for distribution of the Shares.

(vi) The Company will deliver to, or upon the order of, the Representative, from time to time, as many copies of any Preliminary Prospectus as the Representative may reasonably

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request. The Company will deliver to, or upon the order of, the Representative, from time to time, as many copies of any Issuer Free Writing Prospectus as the Representative may reasonably request. The Company will deliver to, or upon the order of, the Representative during the period when delivery of a Prospectus (or, in lieu thereof, the notice referred to under Rule 173(a) under the Act) (the “ **Prospectus Delivery Period** ”) is required under the Act, as many copies of the Prospectus in final form, or as thereafter amended or supplemented, as the Representative may reasonably request. If requested, the Company will deliver to the Representative at or before the Closing Date, two signed copies of the Registration Statement and all amendments thereto including all exhibits filed therewith, and will deliver to the Representative such number of copies of the Registration Statement (including such number of copies of the exhibits filed therewith that may reasonably be requested), and of all amendments thereto, as the Representative may reasonably request.

(vii) The Company will comply with the Act and the Rules and Regulations, and the Exchange Act, and the rules and regulations of the Commission thereunder, so as to permit the completion of the distribution of the Shares as contemplated in this Agreement and the Prospectus. If during the period in which a prospectus (or, in lieu thereof, the notice referred to under Rule 173(a) under the Act) is required by law to be delivered by an Underwriter or dealer, any event shall occur as a result of which, in the judgment of the Company or in the reasonable opinion of the Underwriters, it becomes necessary to amend or supplement the Prospectus in order to make the statements therein, in the light of the circumstances existing at the time the Prospectus is delivered to a purchaser, not misleading, or, if it is necessary at any time to amend or supplement the Prospectus to comply with any law, the Company as promptly as practicable will prepare and file with the Commission an appropriate amendment to the Registration Statement or supplement to the Prospectus so that the Prospectus as so amended or supplemented will not, in the light of the circumstances when it is so delivered, be misleading, or so that the Prospectus will comply with the law.

(viii) If the General Disclosure Package is being used to solicit offers to buy the Shares at a time when the Prospectus is not yet available to prospective purchasers and any event shall occur or condition shall exist as a result of which, in the judgment of the Company or in the reasonable opinion of the Underwriters, it becomes necessary to amend or supplement the General Disclosure Package in order to make the statements therein, in the light of the circumstances, not misleading, or to make the statements therein not conflict with the information contained in the Registration Statement then on file, or if it is necessary at any time to amend or supplement the General Disclosure Package to comply with any law, the Company as promptly as practicable will prepare, file with the Commission (if required) and furnish to the Underwriters and any dealers an appropriate amendment or supplement to the General Disclosure Package so that the General Disclosure Package as so amended or supplemented will not, in the light of the circumstances, be misleading or conflict with the Registration Statement then on file, or so that the General Disclosure Package will comply with law.

(ix) The Company will make generally available to its security holders, as soon as it is practicable to do so, but in any event not later than 15 months after the effective date of the Registration Statement, an earnings statement (which need not be audited) satisfying the requirements of Section 11(a) of the Act and Rule 158 under the Act and will advise you in writing when such statement has been so made available.

(x) No offering, pledge, sale, contract to sell, short sale or other disposition of any Ordinary Shares or other securities convertible into or exchangeable or exercisable for Ordinary Shares or derivative of Ordinary Shares (or agreement for such) will be made for a period of 90 days after the date of the Prospectus, directly or indirectly, by the Company otherwise than hereunder or with the prior written consent of the Representative. The restrictions contained in the foregoing sentence shall not apply to (A) the issuance of Ordinary Shares upon exercise, conversion, settlement or vesting of any outstanding warrants, stock options, restricted stock units or other derivative security or stock-based award granted pursuant to the Company's equity incentive and employee benefit plans (including employee stock purchase plans) disclosed in the Prospectus, (B) the issuance of Ordinary Shares, or options to purchase Ordinary Shares, or the grant of other equity-based awards (including any securities convertible into Ordinary Shares), to employees, officers, directors, advisors or consultants of the Company pursuant to the Company's equity incentive and employee benefit plans (including employee stock purchase plans) disclosed in the Prospectus, (C) the filing of a registration statement on Form S-8 for the registration of Ordinary Shares issued pursuant to the Company's equity incentive and employee benefit plans (including employee stock purchase plans) disclosed in the Prospectus, (D) the issuance of Ordinary Shares or other securities (including securities convertible into or exchangeable or exercisable for Ordinary Shares or other securities) in connection with the acquisition by the Company or any of the Subsidiaries of the securities, business, properties or other assets of another person or entity or pursuant to any employee benefit plan assumed by the Company or any of the Subsidiaries in connection with any such acquisition, or (E) the issuance of Ordinary Shares or other securities (including securities convertible into or exchangeable or exercisable for Ordinary Shares or other securities) in connection with joint ventures, commercial relationships or other strategic transactions; *provided that*, in the case of clauses (D) and (E), the aggregate number of shares issued in all such acquisitions and transactions does not exceed 10% of the outstanding Ordinary Shares as of the date hereof.

(xi) The Shares have been approved for listing on the NASDAQ Global Select Market, and the Company will use its best efforts to maintain the listing of the Shares on the NASDAQ Global Select Market.

(xii) The Company has caused each executive officer and director of the Company and each Selling Shareholder to execute and deliver to you, on or prior to the date of this agreement, a letter or letters, substantially in the form attached hereto as Exhibit A (the "**Lockup Agreement**").

(xiii) The Company will maintain a transfer agent and, if necessary under the jurisdiction of incorporation of the Company, a registrar for the Ordinary Shares.

(xiv) The Company will not knowingly take, directly or indirectly, any action designed to cause or result in, or that has constituted or might reasonably be expected to constitute, the stabilization or manipulation of the price of any securities of the Company.

(b) Each of the Selling Shareholders covenants and agrees with the several Underwriters that:

(i) In order to document the Underwriters' compliance with the reporting and withholding provisions of the Tax Equity and Fiscal Responsibility Act of 1982 and the Interest and Dividend Tax Compliance Act of 1983 with respect to the transactions herein contemplated, each of the Selling Shareholders agrees to deliver to you prior to or at the Closing Date a properly completed and executed United States Treasury Department Form W-8 or W-9 (or other applicable form or statement specified by Treasury Department regulations in lieu thereof).

(ii) Such Selling Shareholder will not take, directly or indirectly, any action designed to cause or result in, or that has constituted or might reasonably be expected to constitute, the stabilization or manipulation of the price of any securities of the Company.

(iii) Such Selling Shareholder agrees that it will not prepare or have prepared on its behalf or use or refer to, any "free writing prospectus" (as defined in Rule 405 under the Act), and agrees that it will not distribute any written materials in connection with the offer or sale of the Shares.

(iv) During the Prospectus Delivery Period, such Selling Shareholder will advise the Representative promptly, and will confirm such advice in writing to the Representative, of any change in the information relating to such Selling Shareholder in the Registration Statement, the Prospectus or any document comprising the General Disclosure Package.

#### 5. COSTS AND EXPENSES.

The Company will pay all costs, expenses and fees incident to the performance of the obligations of the Company under this Agreement, including, without limiting the generality of the foregoing, the following: (a) accounting fees of the Company; (b) the fees and disbursements of counsel for the Company; (c) all costs and expenses related to the transfer and delivery of the Shares to the Underwriters, including any transfer or other taxes payable thereon; (d) any roadshow expenses (except roadshow expenses incurred by the underwriters); (e) the cost of printing and delivering to, or as requested by, the Underwriters copies of the Registration Statement, Preliminary Prospectuses, the Issuer Free Writing Prospectuses, the Prospectus, this Agreement, the listing application, any Blue Sky survey, in each case, any supplements or amendments thereto; (f) the filing fees of the Commission; (g) the filing fees and expenses (including reasonable and documented legal fees and disbursements up to \$25,000) incident to securing any required review by FINRA of the terms of the sale of the Shares; (h) all expenses and application fees related to the listing of the Shares on the NASDAQ Global Select Market; (i) the cost of printing certificates, if any, representing the Shares; (j) the costs and charges of any transfer agent, registrar or depository; and (k) the expenses incurred in connection with the qualification of the Shares under foreign or state securities or Blue Sky laws and the preparation, printing and distribution of a Blue Sky memorandum (including the reasonable and documented related fees and expenses of counsel for the Underwriters up to \$15,000). Any transfer taxes imposed on the sale of the Shares to the several Underwriters will be paid by the Selling Shareholders selling such Shares. Neither the

Company nor the Selling Shareholders shall, however, be required to pay for any of the Underwriter's costs or expenses (other than those related to qualification under FINRA regulation and state securities or Blue Sky laws) except that, if this Agreement shall not be consummated because the conditions in Section 7 hereof are not satisfied, or because this Agreement is terminated by the Representative pursuant to Section 12 hereof, or by reason of any failure, refusal or inability on the part of the Company or the Selling Shareholders to perform any undertaking or satisfy any condition of this Agreement or to comply with any of the terms hereof on their part to be performed, unless such failure, refusal or inability is due primarily to the default or omission of any Underwriter, the Selling Shareholders shall reimburse the several Underwriters for reasonable out-of-pocket expenses, including reasonable and documented fees and disbursements of one counsel, reasonably incurred in connection with investigating, marketing and proposing to market the Shares or in contemplation of performing their obligations hereunder; but neither the Company nor the Selling Shareholders shall in any event be liable to any of the several Underwriters for damages on account of loss of anticipated profits from the sale by them of the Shares. Notwithstanding anything to the contrary in this Section 5, the Company, on the one hand, and the Underwriters, on the other hand, shall share equally any third party costs of private aircraft incurred by or on behalf of the Company in connection with the roadshow.

6. CERTAIN AGREEMENTS OF THE UNDERWRITERS. Each Underwriter hereby represents to and agrees with the Company and the Selling Shareholders that:

(a) It has not used, authorized use of, referred to or participated in the planning for use of, and will not use, authorize use of, refer to or participate in the planning for use of, any "free writing prospectus," as defined in Rule 405 under the Act (which term includes use of any written information furnished to the Commission by the Company and not incorporated by reference into the Registration Statement and any press release issued by the Company) other than (i) a free writing prospectus that contains no "issuer information" (as defined in Rule 433(h)(2) under the Act) that was not included in the Preliminary Prospectus or a previously filed Issuer Free Writing Prospectus, (ii) any Issuer Free Writing Prospectus listed on Schedule IV hereto (including any electronic road show), or (iii) any free writing prospectus prepared by such Underwriter and approved by the Company in advance in writing (each such free writing prospectus referred to in clauses (i) or (iii), an "**Underwriter Free Writing Prospectus**").

(b) It has not and will not distribute any Underwriter Free Writing Prospectus referred to in clause (a)(i) in a manner reasonably designed to lead to its broad unrestricted dissemination.

(c) It has not and will not, without the prior written consent of the Company (such consent not to be unreasonably withheld), use any free writing prospectus that contains the final terms of the Shares unless such terms have previously been included in a free writing prospectus filed with the Commission.

(d) It is not subject to any pending proceeding under Section 8A of the Act with respect to the offering (and will promptly notify the Company and the Selling Shareholders if any such proceeding against it is initiated during the Prospectus Delivery Period).

7. C ONDITIONS OF O BLIGATIONS OF THE U NDERWRITERS.

The several obligations of the Underwriters to purchase the Firm Shares on the Closing Date and the Option Shares, if any, on the Option Closing Date are subject to the accuracy, as of the Applicable Time, the Closing Date or the Option Closing Date, as the case may be, of the representations and warranties of the Company and each of the Selling Shareholders contained herein, and to the performance by the Company and each of the Selling Shareholders of their covenants and obligations hereunder and to the following additional conditions:

(a) The Registration Statement and all post-effective amendments thereto shall have become effective and the Prospectus and each Issuer Free Writing Prospectus required shall have been filed as required by Rules 424, 430A or 433 under the Act, as applicable, within the time period prescribed by, and in compliance with, the Rules and Regulations, and any request of the Commission for additional information (to be included in the Registration Statement or otherwise) shall have been disclosed to the Representative and complied with to its reasonable satisfaction. No stop order suspending the effectiveness of the Registration Statement, as amended from time to time, shall have been issued and no proceedings for that purpose or pursuant to Section 8A under the Act shall have been taken or, to the knowledge of the Company or the Selling Shareholders, shall be contemplated or threatened by the Commission and no injunction, restraining order or order of any nature by a federal or state court of competent jurisdiction shall have been issued as of the Closing Date which would prevent the sale of the Shares.

(b) The Representative shall have received on the Closing Date or the Option Closing Date, as the case may be, the opinion of Kirkland & Ellis LLP, counsel for the Company, dated the Closing Date or the Option Closing Date, as the case may be, addressed to the Underwriters substantially in the form of Annex A hereto.

(c) The Representative shall have received on the Closing Date or the Option Closing Date, as the case may be, the opinion of Kirkland & Ellis LLP with respect to the Selling Shareholders, dated the Closing Date or the Option Closing Date, as the case may be, addressed to the Underwriters substantially in the form of Annex B hereto.

(d) The Representative shall have received on the Closing Date or the Option Closing Date, as the case may be, the opinion of Maples and Calder, Cayman Islands counsel for the Company, dated the Closing Date or the Option Closing Date, as the case may be, addressed to the Underwriters substantially in the form of Annex C hereto.

(e) The Representative shall have received on the Closing Date or the Option Closing Date, as the case may be, the opinion of Maples and Calder, Cayman Islands counsel for certain of the Selling Shareholders, dated the Closing Date or the Option Closing Date, as the case may be, addressed to the Underwriters substantially in the form of Annex D hereto.

(f) The Representative shall have received from Latham & Watkins LLP, counsel for the Underwriters, an opinion and negative assurance letter, dated the Closing Date or the Option Closing Date, as the case may be, with respect to such matters as the Representative may reasonably

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request, and such counsel shall have received such documents and information as they may reasonably request to enable them to pass upon such matters.

(g) The Representative shall have received, on each of the date hereof, the Closing Date and, if applicable, the Option Closing Date, a letter dated the date hereof, the Closing Date or the Option Closing Date, as the case may be, in form and substance satisfactory to you, of KPMG LLP, containing such statements and information as is ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained in the Registration Statement, the General Disclosure Package and the Prospectus.

(h) The Representative shall have received on the Closing Date and, if applicable, the Option Closing Date, as the case may be, a certificate of the Chief Executive Officer and the Chief Financial Officer of the Company, which shall be delivered on behalf of the Company and not the signatory in his or her personal capacity, certifying as follows, as of the Closing Date or the Option Closing Date, as the case may be:

(i) The Registration Statement has become effective under the Act and no stop order suspending the effectiveness of the Registration Statement or no order preventing or suspending the use of any Preliminary Prospectus, any Issuer Free Writing Prospectus or the Prospectus has been issued, and no proceedings for such purpose or pursuant to Section 8A of the Act have been taken or are, to his or her knowledge, contemplated or threatened by the Commission;

(ii) The representations and warranties of the Company contained in Section 1(a) hereof are true and correct as of the Closing Date or the Option Closing Date, as the case may be;

(iii) Since the respective dates as of which information is given in the Registration Statement, the General Disclosure Package and Prospectus, there has not been a Material Adverse Effect; and

(iv) The Company has complied in all material respects with all of the agreements and satisfied in all material respects all of the conditions on its part to be performed or satisfied hereunder on or prior to such date.

(i) The Representative shall have received on the Closing Date or the Option Closing Date, as the case may be, a certificate executed by such Selling Shareholder, or, if such Selling Shareholder is an entity, by an authorized offer thereof, which shall be delivered on behalf of such Selling Shareholder, certifying as follows, as of the Closing Date or the Option Closing Date, as the case may be:

(i) The representations and warranties of such Selling Shareholder contained in Section 1(b) hereof are true and correct as of the Closing Date or the Option Closing Date, as the case may be; and

(ii) Such Selling Shareholder has complied with all of the agreements and satisfied all of the conditions on its part to be performed or satisfied hereunder on or prior to such date.

(j) The Company and the Selling Shareholders shall have furnished to the Representative such further certificates and documents confirming the representations and warranties, covenants and conditions contained herein and related matters as the Representative may reasonably have requested.

(k) The Firm Shares and Option Shares, if any, have been approved for listing on the NASDAQ Global Select Market.

(l) The Lockup Agreements described in Section 4(a)(xiii) hereof are in full force and effect.

(m) No action shall have been taken and no statute, rule, regulation or order shall have been enacted, adopted or issued by any federal, state or foreign governmental or regulatory authority that would, as of the Closing Date or the Option Closing Date, as the case may be, prevent the sale of the Shares by the Selling Shareholders; and no injunction or order of any federal, state or foreign court shall have been issued that would, as of the Closing Date or the Option Closing Date, as the case may be, prevent the sale of the Shares by the Selling Shareholders.

If any of the conditions hereinabove provided for in this Section 7 shall not have been fulfilled when and as required by this Agreement to be fulfilled, the obligations of the Underwriters hereunder may be terminated by the Representative by notifying the Company and the Selling Shareholders of such termination in writing at or prior to the Closing Date or the Option Closing Date, as the case may be.

In such event, the Selling Shareholders, the Company and the Underwriters shall not be under any obligation to each other (except to the extent provided in Sections 5 and 8 hereof).

#### 8. INDEMNIFICATION.

(a) The Company agrees:

(i) to indemnify and hold harmless each Underwriter, the directors and officers of each Underwriter and each person, if any, who controls any Underwriter within the meaning of either Section 15 of the Act or Section 20 of the Exchange Act, against any losses, claims, damages or liabilities to which such Underwriter or any such controlling person may become subject under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions or proceedings in respect thereof) arise out of or are based upon (A) any untrue statement or alleged untrue statement of any material fact contained in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any amendment or

supplement thereto, (B) with respect to the Registration Statement or any amendment or supplement thereto, the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading or (C) with respect to any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any amendment or supplement thereto, the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading in the light of the circumstances under which they were made; *provided, however*, that the Company will not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon an untrue statement or alleged untrue statement, or omission or alleged omission made in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus, or such amendment or supplement, in reliance upon and in conformity with written information furnished to the Company by or through the Representative specifically for use therein, it being understood and agreed that the only such information furnished by any Underwriter consists of the information described as such in Section 13 hereof; and

(ii) to reimburse each Underwriter, each Underwriters' directors and officers, and each such controlling person upon demand for any legal or other out-of-pocket expenses documented and reasonably incurred by such Underwriter or such controlling person in connection with investigating or defending any such loss, claim, damage or liability, action or proceeding or in responding to a subpoena or governmental inquiry related to the offering of the Shares, whether or not such Underwriter or controlling person is a party to any action or proceeding. In the event that it is finally judicially determined that the Underwriters were not entitled to receive payments for legal and other out-of-pocket expenses pursuant to this subparagraph, the Underwriters will promptly return all sums that had been advanced pursuant hereto.

(b) Each Selling Shareholder agrees to indemnify the Underwriters, each Underwriters' directors and officers and each person, if any, who controls any Underwriter within the meaning of Section 15 of the Act or Section 20 of the Exchange Act, against any losses, claims, damages or liabilities to which such Underwriter or controlling person may become subject under the Act or otherwise to the same extent as indemnity is provided by the Company pursuant to Section 8(a) hereof; *provided, however*, that such Selling Shareholder shall be liable only to the extent that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any amendment or supplement thereto, in reliance upon, and in conformity with, written information relating to such Selling Shareholder furnished by or on behalf of such Selling Shareholder to the Company or the Representative, specifically for use therein. This indemnity obligation will be in addition to any liability which the Company may otherwise have, it being understood and agreed that for purposes of this Agreement, the only information so furnished by such Selling Shareholder consists of such Selling Shareholder's Selling Shareholder Information; *provided further*, that the liability under this subsection of each Selling Shareholder shall be limited to an amount equal to the aggregate proceeds after underwriting commissions and discounts, but before deducting expenses, to such Selling Shareholder from the sale of Shares by such Selling Shareholder hereunder.

(c) Each Underwriter severally and not jointly will indemnify and hold harmless the Company, each of its directors, each of its officers who have signed the Registration Statement, the Selling Shareholders and each person, if any, who controls the Company or the Selling Shareholders within the meaning of the Act, against any losses, claims, damages or liabilities to which the Company or any such director, officer, Selling Shareholder or controlling person may become subject under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions or proceedings in respect thereof) arise out of or are based upon (i) any untrue statement or alleged untrue statement of any material fact contained in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any amendment or supplement thereto, (ii) with respect to the Registration Statement or any amendment or supplement thereto, the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading or (iii) with respect to any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any amendment or supplement thereto, the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading in the light of the circumstances under which they were made; and will reimburse any legal or other expenses documented and reasonably incurred by the Company or any such director, officer, Selling Shareholder or controlling person in connection with investigating or defending any such loss, claim, damage, liability, action or proceeding or in responding to a subpoena or governmental inquiry related to the offering of the Shares, whether or not the applicable party or controlling person is a party to any action or proceeding; *provided, however*, that each Underwriter will be liable in each case to the extent, but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission has been made in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or such amendment or supplement, in reliance upon and in conformity with written information furnished to the Company by or through the Representative specifically for use therein, it being understood and agreed that the only such information furnished by any Underwriter consists of the information described as such in Section 13 hereof. This indemnity agreement will be in addition to any liability which such Underwriter may otherwise have.

(d) In case any proceeding (including any governmental investigation) shall be instituted involving any person in respect of which indemnity may be sought pursuant to this Section 8, such person (the “ **indemnified party** ”) shall promptly notify the person against whom such indemnity may be sought (the “ **indemnifying party** ”) in writing. No indemnification provided for in Sections 8(a), (b) or (c) hereof shall be available to any party who shall fail to give notice as provided in this Section 8(d) if the party to whom notice was not given was unaware of the proceeding to which such notice would have related and was materially prejudiced by the failure to give such notice, but the failure to give such notice shall not relieve the indemnifying party or parties from any liability which it or they may have to the indemnified party for contribution or otherwise than on account of the provisions of Sections 8(a), (b) or (c) hereof. In case any such proceeding shall be brought against any indemnified party and it shall notify the indemnifying party of the commencement thereof, the indemnifying party shall be entitled to participate therein and, to the extent that it shall wish, jointly with any other indemnifying party similarly notified, to assume the defense thereof, with counsel reasonably satisfactory to such indemnified party and shall pay as incurred the documented and reasonably incurred fees and expenses of such counsel related to such

proceeding. In any such proceeding, any indemnified party shall have the right to retain its own counsel at its own expense. Notwithstanding the foregoing, the indemnifying party shall pay as incurred (or within 30 days of presentation) the documented and reasonably incurred fees and expenses of the counsel retained by the indemnified party in the event (i) the indemnifying party and the indemnified party shall have mutually agreed to the retention of such counsel, (ii) the named parties to any such proceeding (including any impleaded parties) include both the indemnifying party and the indemnified party and representation of both parties by the same counsel would, based on the advice of outside counsel to the parties, be inappropriate due to actual or potential differing interests between them or (iii) the indemnifying party shall have failed to assume the defense and employ counsel reasonably acceptable to the indemnified party within a reasonable period of time after notice of commencement of the action. Such firm shall be designated in writing by you in the case of parties indemnified pursuant to Section 8(a) or (b) hereof and by the Company and the Selling Shareholders in the case of parties indemnified pursuant to Section 8(c) hereof. The indemnifying party shall not be liable for any settlement of any proceeding effected without its written consent but if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party from and against any loss or liability by reason of such settlement or judgment to the extent required under this Section 8. In addition, the indemnifying party will not, without the prior written consent of the indemnified party, settle or compromise or consent to the entry of any judgment in any pending or threatened claim, action or proceeding of which indemnification may be sought hereunder (whether or not any indemnified party is an actual or potential party to such claim, action or proceeding) unless such settlement, compromise or consent (A) includes an unconditional release of each indemnified party from all liability arising out of such claim, action or proceeding and (B) does not include a statement as to or an admission of fault, culpability or a failure to act by or on behalf of any indemnified party. If at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel, such indemnifying party agrees that it shall be liable for any settlement of any proceeding effected without its written consent if (X) such settlement is entered into more than 45 days after receipt by such indemnifying party of the aforesaid request, (Y) such indemnifying party shall have received notice of the terms of such settlement at least 30 days prior to such settlement being entered into and (Z) such indemnifying party is obligated under this Section 8(d) to reimburse the indemnified party for such fees and expenses and the indemnifying party shall not have reimbursed such indemnified party in accordance with such request prior to the date of such settlement.

(e) To the extent the indemnification provided for in this Section 8 is unavailable to or insufficient to hold harmless an indemnified party under Section 8(a), (b) or (c) hereof in respect of any losses, claims, damages or liabilities (or actions or proceedings in respect thereof) referred to therein, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (or actions or proceedings in respect thereof) in such proportion as is appropriate to reflect the relative benefits received by the Company and the Selling Shareholders on the one hand and the Underwriters on the other from the offering of the Shares. If, however, the allocation provided by the immediately preceding sentence is not permitted by applicable law then each indemnifying party shall contribute to such amount paid or payable by such indemnified party in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Company and the Selling Shareholders on the

one hand and the Underwriters on the other in connection with the statements or omissions which resulted in such losses, claims, damages or liabilities (or actions or proceedings in respect thereof), as well as any other relevant equitable considerations. The relative benefits received by the Company and the Selling Shareholders on the one hand and the Underwriters on the other shall be deemed to be in the same proportion as the net proceeds from the offering (before deducting expenses) received by the Company and the Selling Shareholders bear to the total underwriting discounts and commissions received by the Underwriters, in each case as set forth in the table on the cover page of the Prospectus. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or the Selling Shareholders on the one hand or the Underwriters on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission.

(f) The Company, the Selling Shareholders and the Underwriters agree that it would not be just and equitable if contributions pursuant to this Section 8(f) were determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this Section 8(f). The amount paid or payable by an indemnified party as a result of the losses, claims, damages or liabilities (or actions or proceedings in respect thereof) referred to above in this Section 8(f) shall be deemed to include any legal or other out-of-pocket expenses documented and reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Section 8(f), (i) no Underwriter shall be required to contribute any amount in excess of the underwriting discounts and commissions applicable to the Shares purchased by such Underwriter, (ii) no person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation, and (iii) no Selling Shareholder shall be required to contribute any amount in excess of the proceeds after underwriting commissions and discounts, but before deducting expenses, received by such Selling Shareholder from the Underwriters in the offering. The Underwriters' obligations in this Section 8(f) to contribute are several in proportion to their respective underwriting obligations and not joint.

(g) In any proceeding relating to the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, the Prospectus or any supplement or amendment thereto, each party against whom contribution may be sought under this Section 8 hereby consents to the exclusive jurisdiction of (i) the federal courts of the United States of America located in the City and County of New York, Borough of Manhattan and (ii) the courts of the State of New York located in the City and County of New York, Borough of Manhattan (collectively, the "**Specified Courts**"), agrees that process issuing from such courts may be served upon it by any other contributing party and consents to the service of such process and agrees that any other contributing party may join it as an additional defendant in any such proceeding in which such other contributing party is a party. The Company and the Selling Shareholders irrevocably appoint Ichor Systems, Inc., 3185 Laurelview Ct., Fremont, California 94538 as their agent to receive service of process or other legal summons for purposes of any such suit, action or proceeding that may be instituted in any state or federal court in the City and County of New York.

(h) Any losses, claims, damages, liabilities or expenses for which an indemnified party is entitled to indemnification or contribution under this Section 8 shall be paid by the indemnifying party to the indemnified party as such losses, claims, damages, liabilities or expenses are incurred. The indemnity and contribution agreements contained in this Section 8 and the representations and warranties of the Company set forth in this Agreement shall remain operative and in full force and effect, regardless of (i) any investigation made by or on behalf of any Underwriter, its directors or officers or any person controlling any Underwriter, the Company, its directors or officers or any persons controlling the Company, (ii) acceptance of any Shares and payment therefor hereunder, and (iii) any termination of this Agreement. A successor to any Underwriter, its directors or officers or any person controlling any Underwriter, or to the Company, its directors or officers, or any person controlling the Company, shall be entitled to the benefits of the indemnity, contribution and reimbursement agreements contained in this Section 8.

#### 9. DEFAULT BY UNDERWRITERS.

If on the Closing Date or the Option Closing Date, as the case may be, any Underwriter shall fail to purchase and pay for the portion of the Shares which such Underwriter has agreed to purchase and pay for on such date (otherwise than by reason of any default on the part of the Company or a Selling Shareholder), you, as Representative of the Underwriters, shall use your reasonable best efforts to procure within 36 hours thereafter one or more of the other Underwriters, or any others, to purchase from the Selling Shareholders such amounts as may be agreed upon and upon the terms set forth herein, the Shares which the defaulting Underwriter or Underwriters failed to purchase. If during such 36 hours you, as such Representative, shall not have procured such other Underwriters, or any others, to purchase the Shares agreed to be purchased by the defaulting Underwriter or Underwriters, then (a) if the aggregate number of Shares with respect to which such default shall occur does not exceed 10% of the Shares to be purchased on the Closing Date or the Option Closing date, as the case may be, the other Underwriters shall be obligated, severally, in proportion to the respective numbers of Shares which they are obligated to purchase hereunder, to purchase the Shares which such defaulting Underwriter or Underwriters failed to purchase, or (b) if the aggregate number of Shares with respect to which such default shall occur exceeds 10% of the Shares to be purchased on the Closing Date or the Option Closing Date, as the case may be, the Selling Shareholders or you as the Representative of the Underwriters will have the right, by written notice given within the next 36-hour period to the parties to this Agreement, to terminate this Agreement without liability on the part of the non-defaulting Underwriters or of the Company or of the Selling Shareholders except to the extent provided in Sections 5 and 8 hereof. In the event of a default by any Underwriter or Underwriters, as set forth in this Section 9, the Closing Date or Option Closing Date, as the case may be, may be postponed for such period, not exceeding seven days, as you, as Representative, may determine in order that the required changes in the Registration Statement, the General Disclosure Package or in the Prospectus or in any other documents or arrangements may be effected. The term "Underwriter" includes any person substituted for a defaulting Underwriter. Any action taken under this Section 9 shall not relieve any defaulting Underwriter from liability in respect of any default of such Underwriter under this Agreement.

## 10. NOTICES.

All communications hereunder shall be in writing and, except as otherwise provided herein, will be mailed, delivered, telecopied or telegraphed and confirmed as follows: if to the Underwriters, to Deutsche Bank Securities Inc., 60 Wall Street, 4th Floor, New York, New York 10005, Attention: Equity Capital Markets – Syndicate Desk, with a copy to Deutsche Bank Securities Inc., 60 Wall Street, 36<sup>th</sup> Floor, New York, New York 10005, Attention: General Counsel, fax: (212) 797-4564; if to the Company, to Ichor Holdings, Ltd., 3185 Laurelview Ct., Fremont, California 94538, Attention: Thomas M. Rohrs, Chairman and Chief Executive Officer, fax: (510) 897-5201.

In accordance with the requirements of the USA PATRIOT Act (Title III of Pub. L. 107-56 (signed into law October 26, 2001)), the Underwriters are required to obtain, verify and record information that identifies their respective clients, including the Company and the Selling Shareholders, which information may include the name and address of their respective clients, as well as other reasonable information that will allow the Underwriters to properly identify their respective clients.

## 11. TERMINATION.

This Agreement may be terminated by you by notice to the Company and the Selling Shareholders: (a) at any time prior to the Closing Date or any Option Closing Date (if different from the Closing Date and then only as to Option Shares) if any of the following has occurred: (i) since the respective dates as of which information is given in the Registration Statement, the General Disclosure Package and the Prospectus, a Material Adverse Effect, (ii) any outbreak or escalation of hostilities or declaration of war or national emergency or other national or international calamity or crisis (including, without limitation, an act of terrorism) or change in economic or political conditions if the effect of such outbreak, escalation, declaration, emergency, calamity, crisis or change on the financial markets of the United States would, in your judgment, materially impair the investment quality of the Shares; (iii) suspension of trading in securities generally on the New York Stock Exchange, the American Stock Exchange or the NASDAQ Global Select Market or limitation on prices (other than limitations on hours or numbers of days of trading) for securities on any such exchange; (iv) the enactment, publication, decree or other promulgation of any statute, regulation, rule or order of any court or other governmental authority which in your opinion materially and adversely affects or may materially and adversely affect the business or operations of the Company; (v) the declaration of a banking moratorium by the United States or New York State authorities; (vi) any downgrading, or placement on any watch list for possible downgrading, in the rating of any of the Company's debt securities by any "nationally recognized statistical rating organization" (within the meaning of Rule 15c3-1(c)(2)(vi)(F) under the Exchange Act) or any public announcement by such organization that it has under surveillance or review, or has changed its outlook with respect to, its rating of any such debt securities (other than an announcement with positive implications of a possible upgrading); (vii) the suspension of trading of the Ordinary Shares by the NASDAQ Global Select Market, the Commission or any other governmental authority; or (viii) the taking of any action by any governmental body or agency in respect of its monetary or fiscal affairs which in your opinion has a material adverse effect on the securities markets in the United States; or (b) as provided in Sections 7 and 9 of this Agreement.

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12. SUCCESSORS.

This Agreement has been and is made solely for the benefit of the Underwriters, the Company and the Selling Shareholders and their respective successors, executors, administrators, heirs and assigns, and the officers, directors and controlling persons referred to herein, and no other person will have any right or obligation hereunder. No purchaser of any of the Shares from any Underwriter shall be deemed a successor or assign merely because of such purchase.

13. INFORMATION PROVIDED BY UNDERWRITERS.

The Company, the Selling Shareholders and the Underwriters acknowledge and agree that the only information furnished or to be furnished by any Underwriter to the Company for inclusion in the Registration Statement, any Preliminary Prospectus, any Issuer Free Writing Prospectus, or the Prospectus consists of the information set forth in the third, ninth, and tenth through fifteenth paragraphs under the caption "Underwriting" in the Prospectus.

14. MISCELLANEOUS.

The reimbursement, indemnification and contribution agreements contained in this Agreement and the representations, warranties and covenants in this Agreement shall remain in full force and effect regardless of (a) any termination of this Agreement, (b) any investigation made by or on behalf of any Underwriter or controlling person thereof, or by or on behalf of the Company or its directors or officers or any Selling Shareholder or controlling person thereof, as the case may be, and (c) delivery of and payment for the Shares under this Agreement.

The Company and the Selling Shareholders acknowledge and agree that each Underwriter in providing investment banking services to the Company and the Selling Shareholders in connection with the offering, including in acting pursuant to the terms of this Agreement, has acted and is acting as an independent contractor and not as a fiduciary, and the Company and the Selling Shareholders do not intend such Underwriter to act in any capacity other than as an independent contractor, including as a fiduciary or in any other position of higher trust. Additionally, neither the Representative nor any other Underwriter is advising the Company, the Selling Shareholders or any other person as to any legal, tax, investment, accounting or regulatory matters in any jurisdiction. The Company and the Selling Shareholders shall consult with their own advisors concerning such matters and shall be responsible for making their own independent investigation and appraisal of the transactions contemplated hereby, and the Underwriters shall have no responsibility or liability to the Company or the Selling Shareholders with respect thereto. Any review by the Underwriters of the Company, the transactions contemplated hereby or other matters relating to such transactions will be performed solely for the benefit of the Underwriters and shall not be on behalf of the Company or the Selling Shareholders.

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

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This Agreement shall be governed by, and construed in accordance with, the law of the State of New York, including, without limitation, Section 5-1401 of the New York General Obligations Law.

Any legal suit, action or proceeding arising out of or based upon this Agreement or the transactions contemplated hereby (“ **Related Proceedings** ”) shall be instituted in the Specified Courts, and each party irrevocably submits to the exclusive jurisdiction (except for proceedings instituted in regard to the enforcement of a judgment of any such court (a “ **Related Judgment** ”), as to which such jurisdiction is non-exclusive) of such courts in any such suit, action or proceeding. Service of any process, summons, notice or document by mail to such party’s address set forth above shall be effective service of process for any suit, action or other proceeding brought in any such court. The parties irrevocably and unconditionally waive any objection to the laying of venue of any suit, action or other proceeding in the Specified Courts and irrevocably and unconditionally waive and agree not to plead or claim in any such court that any such suit, action or other proceeding brought in any such court has been brought in an inconvenient forum. The Company irrevocably appoints Ichor Systems, Inc., 3185 Laurelview Ct., Fremont, California 94538, as their agent to receive service of process or other legal summons for purposes of any such suit, action or proceeding that may be instituted in any state or federal court in the City and County of New York. With respect to any Related Proceeding, each party irrevocably waives, to the fullest extent permitted by applicable law, all immunity (whether on the basis of sovereignty or otherwise) from jurisdiction, service of process, attachment (both before and after judgment) and execution to which it might otherwise be entitled in the Specified Courts, and with respect to any Related Judgment, each party waives any such immunity in the Specified Courts or any other court of competent jurisdiction, and will not raise or claim or cause to be pleaded any such immunity at or in respect of any such Related Proceeding or Related Judgment, including, without limitation, any immunity pursuant to the United States Foreign Sovereign Immunities Act of 1976, as amended.

In respect of any judgment or order given or made for any amount due hereunder that is expressed and paid in a currency (the “ **Judgment Currency** ”) other than United States dollars, the Company will indemnify each Underwriter against any loss incurred by such Underwriter as a result of any variation as between (i) the rate of exchange at which the United States dollar amount is converted into the Judgment Currency for the purpose of such judgment or order and (ii) the rate of exchange at which an Underwriter is able to purchase United States dollars with the amount of the Judgment Currency actually received by such Underwriter; *provided* that, if the United States dollars so purchased are greater than the sum originally due to such Underwriter, such Underwriter agrees to pay to the Company an amount equal to the excess of the dollars so purchased over the sum originally due to such Underwriter hereunder. The foregoing indemnity shall constitute a separate and independent obligation of the Company and shall continue in full force and effect notwithstanding any such judgment or order as aforesaid. The term “rate of exchange” shall include any premiums and costs of exchange payable in connection with the purchase of or conversion into United States dollars.

The Underwriters, on the one hand, and the Company (on its own behalf and, to the extent permitted by law, on behalf of its shareholders) and the Selling Shareholders, on the other hand, waive any right to trial by jury in any action, claim, suit or proceeding with respect to your engagement as underwriter or your role in connection herewith.

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Any action by the Underwriters hereunder may be taken by the Representative on behalf of the Underwriters, and any such action by the Representative shall be binding upon the Underwriters.

If the foregoing is in accordance with your understanding of our agreement, please sign and return to us the enclosed duplicates hereof, whereupon it will become a binding agreement among the Selling Shareholders, the Company and the several Underwriters in accordance with its terms.

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Very truly yours,

ICHOR HOLDINGS, LTD.

By: \_\_\_\_\_  
Name:  
Title:

Signature Page to Equity Underwriting Agreement

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FRANCISCO PARTNERS III (CAYMAN), L.P.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Signature Page to Equity Underwriting Agreement

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FRANCISCO PARTNERS PARALLEL FUND III  
(CAYMAN), L.P.

By: \_\_\_\_\_  
Name:  
Title:

Signature Page to Equity Underwriting Agreement

By: \_\_\_\_\_  
Name:  
Title:

Signature Page to Equity Underwriting Agreement

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By: \_\_\_\_\_  
Name: Maurice Carson

Signature Page to Equity Underwriting Agreement

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By: \_\_\_\_\_  
Name: Thomas Rohrs

Signature Page to Equity Underwriting Agreement

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By: \_\_\_\_\_  
Name: Philip Barros

Signature Page to Equity Underwriting Agreement

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The foregoing Underwriting Agreement  
is hereby confirmed and accepted as  
of the date first above written.

DEUTSCHE BANK SECURITIES INC.

As Representative of the several  
Underwriters listed on Schedule I hereto

By: Deutsche Bank Securities Inc.

By: \_\_\_\_\_  
Name:  
Title:

By: \_\_\_\_\_  
Name:  
Title:

SCHEDULE I

SCHEDULE OF UNDERWRITERS

<u>Underwriter</u>	<u>Number of Firm Shares to be Purchased</u>	<u>Number of Option Shares to be Purchased</u>
Deutsche Bank Securities Inc.	[ ]	[ ]
Stifel, Nicolaus & Company, Incorporated	[ ]	[ ]
RBC Capital Markets, LLC	[ ]	[ ]
Cowen and Company, LLC	[ ]	[ ]
Needham & Company, LLC	[ ]	[ ]
Total	[ ]	[ ]

SCHEDULE II

SCHEDULE OF SELLING SHAREHOLDERS

<u>Shareholder</u>	<u>Number of Firm Shares to be Sold</u>	<u>Number of Option Shares to be Sold</u>
Francisco Partners III (Cayman), L.P.	[ ]	[ ]
Francisco Partners Parallel Fund III (Cayman), L.P.	[ ]	[ ]
Ichor Investment Holdings, LLC	[ ]	[ ]
Thomas Rohrs	[ ]	[ ]
Maurice Carson	[ ]	[ ]
Philip Barros	[ ]	[ ]
Total	[ ]	[ ]

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SCHEDULE III

Ordinary Shares: [ ] plus Underwriters' option to acquire an additional [ ] Ordinary Shares

Price per Ordinary Share: \$[ ]

Underwriting discount: [ ]% or \$[ ] per Ordinary Share

Proceeds to the Selling Shareholders per Ordinary Share: \$[ ]

Upon the completion of this offering, Francisco Partners will own approximately [ ] million Ordinary Shares, or approximately [ ]% of the Company's outstanding Ordinary Shares (or approximately [ ]% of the Company's outstanding shares if the Underwriters exercise in full their option to purchase additional shares from the Selling Shareholders).

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SCHEDULE IV

None.









EXHIBIT A  
LOCK-UP AGREEMENT

[ • ], 2017

Ichor Holdings, Ltd.

Deutsche Bank Securities Inc.

As Representative of the  
Several Underwriters

c/o Deutsche Bank Securities Inc.  
60 Wall Street, 4<sup>th</sup> Floor  
New York, New York 10005

Ladies and Gentlemen:

The undersigned understands that Deutsche Bank Securities Inc., as representative (the “ **Representative** ”) of the several underwriters (the “ **Underwriters** ”), proposes to enter into an Underwriting Agreement (the “ **Underwriting Agreement** ”) with Ichor Holdings, Ltd., a Cayman Islands exempt limited company (the “ **Company** ”), and certain stockholders of the Company, providing for the public offering by the Underwriters, including the Representative, of ordinary shares, par value \$0.0001 (the “ **Ordinary Shares** ”), of the Company (the “ **Public Offering** ”).

To induce the Underwriters that may participate in the Public Offering to continue their efforts in connection with the Public Offering, the undersigned agrees that, without the prior written consent of the Representative, the undersigned will not, directly or indirectly, offer, sell, pledge, contract to sell (including any short sale), grant any option to purchase or otherwise dispose of any Ordinary Shares (including, without limitation, Ordinary Shares which may be deemed to be beneficially owned by the undersigned currently or hereafter in accordance with the rules and regulations of the Securities and Exchange Commission (the “ **Commission** ”), Ordinary Shares which may be issued upon exercise of a share option or warrant and any other security convertible into or exchangeable for Ordinary Shares) or enter into any Hedging Transaction (as defined below) relating to the Ordinary Shares (each of the foregoing referred to as a “ **Disposition** ”) during the period commencing on the date of the first preliminary prospectus relating to the Public Offering circulated to potential investors that includes a bona fide price range and continuing until, and including, the date that is 90 days after the date of the final prospectus relating to the Public Offering (the “ **Lock-Up Period** ”). The foregoing restriction is expressly intended to preclude the undersigned from engaging in any Hedging Transaction or other transaction which is designed to or reasonably expected to lead to or result in a Disposition during the Lock-Up Period even if the securities would be disposed of by someone other than the undersigned. “ **Hedging Transaction** ”

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means any short sale (whether or not against the box) or any purchase, sale or grant of any right (including, without limitation, any put or call option) with respect to any security (other than a broad-based market basket or index) that includes, relates to or derives any significant part of its value from the Ordinary Shares.

Notwithstanding the foregoing, the undersigned may transfer any or all of the Ordinary Shares or other Company securities if the transfer does not trigger any filing or reporting requirement or obligation or result in any other voluntary or mandatory public disclosure, including but not limited to Form 4 of Section 16 of the Securities Exchange Act of 1934, as amended, in each case reporting a reduction in beneficial ownership of Ordinary Shares or other Company securities, and is by (i) gift, will or intestacy or for bona fide tax planning purposes, (ii) distribution or transfer to partners, members or shareholders of the undersigned, or if the undersigned is a trust, to a trustor or beneficiary of the trust, (iii) transfer to an immediate family member or any trust, partnership, limited liability company or other entity for the direct or indirect benefit of the undersigned or the immediate family of the undersigned (for purposes of this lock-up agreement, "immediate family member" means any relationship by blood, marriage, domestic partnership or adoption, not more remote than a first cousin) or (iv) transfer to the undersigned's affiliates or to any investment fund or other entity controlled or managed by the undersigned; *provided, however*, it shall be a condition to the transfer that the transferee execute an agreement stating that the transferee is receiving and holding the securities subject to the provisions of this Lock-Up Agreement.

In addition, the restrictions set forth in this Lock-Up Agreement shall not prohibit or restrict the undersigned from (i) establishing a trading plan meeting the requirements of Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, [or selling Ordinary Shares thereunder (provided that such trading plan has been approved by the Company's board of directors or the compensation, nominating and corporate governance committee of the board of directors and that any such sale is labeled in the resulting filing as having been made pursuant to such trading plan).] <sup>1</sup> provided that no sales of Ordinary Shares shall occur under such plan and no public disclosure of any such action shall be required or shall be made voluntarily by any person prior to the expiration of the [90-day period referred to above] [30-day period after the date of the final prospectus relating to the Public Offering] <sup>2</sup>, (ii) exercising an option to purchase Ordinary Shares granted under any share-based compensation plan of the Company, provided that the underlying Ordinary Shares shall continue to be subject to the restrictions on transfer set forth in this Lock-Up Agreement, (iii) transfers to the Company for the purpose of satisfying the exercise price and/or tax withholding obligations upon the exercise of an option to purchase Ordinary Shares or the vesting of other equity incentive awards granted under any share-based compensation plan of the Company, (iv) engaging in transactions relating to shares of Ordinary Shares acquired in the Public Offering or in open market transactions after the completion of the date of the Underwriting Agreement or (v) any transfer of Ordinary Shares or other Company securities pursuant to a bona fide third party tender offer, merger, consolidation or other similar transaction made to all holders of Ordinary Shares involving a change of control of the Company, provided that in the event that the tender offer, merger, consolidation or other such transaction is not completed, the Ordinary Shares or other Company securities owned by the undersigned shall remain subject to the terms of this Lock-Up Agreement.

Notwithstanding any other provision of this Lock-Up Agreement, the restrictions set forth in this Lock-Up Agreement shall apply to any shares sold to the undersigned, if the undersigned is a director or executive officer of the Company, pursuant to any directed share program provided for in the Underwriting Agreement.

The undersigned agrees that the Company may, and that the undersigned will, (i) with respect to any Ordinary Shares or other Company securities for which the undersigned is the record holder, cause the transfer agent for the Company to note stop transfer instructions with respect to such securities on the transfer books and records of the Company and (ii) with respect to any Ordinary Shares or other Company securities for which the undersigned is the beneficial holder but not the record holder, cause the record holder of such securities to cause the transfer agent for the Company to note stop transfer instructions with respect to such securities on the transfer books and records of the Company.

In addition, the undersigned hereby waives any and all notice requirements and rights with respect to registration of securities pursuant to any agreement, understanding or otherwise setting forth the terms of any security of the Company held by the undersigned, including any registration rights agreement to which the undersigned and the Company may be party; *provided* that such waiver shall apply only to the proposed Public Offering, and any other action taken by the Company in connection with the proposed Public Offering.

<sup>1</sup> This language to be included in the Agreements for officers.

<sup>2</sup> This language to be included in the Agreements for officers.

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The undersigned hereby agrees that, to the extent that the terms of this Lock-Up Agreement conflict with or are in any way inconsistent with any registration rights agreement to which the undersigned and the Company may be a party, this Lock-Up Agreement supersedes such registration rights agreement.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Lock-Up Agreement. All authority herein conferred or agreed to be conferred shall survive the death or incapacity of the undersigned and any obligations of the undersigned shall be binding upon the heirs, personal representatives, successors and assigns of the undersigned.

Notwithstanding anything herein to the contrary, if (i) the closing of the Public Offering has not occurred prior to June 30, 2017, (ii) the Company withdraws the registration statement related to the Public Offering, (iii) the Underwriting Agreement (other than the provisions thereof which survive termination) is terminated prior to payment for and delivery of the Ordinary Shares to be sold thereunder or (iv) the Representative notifies the Company, or the Company notifies the Representative, in writing, prior to the execution of the Underwriting Agreement, that it has determined not to proceed with the Public Offering, this Lock-Up Agreement (and for the avoidance of doubt, the Lock-Up Period described herein) shall automatically terminate and be of no further force or effect as of such time.

[ *Signature page follows* ]

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*Signature* : \_\_\_\_\_

*Print Name* : \_\_\_\_\_

Number of shares owned  
subject to warrants, options  
or convertible securities:

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Certificate numbers:

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EXHIBIT B

SIGNIFICANT SUBSIDIARIES

[To come]

Our ref MUL/670011-000002/50216867v3

Ichor Holdings, Ltd.  
PO Box 309, Ugland House  
Grand Cayman  
KY1-1104  
Cayman Islands

24 April 2017

Dear Sirs

**Ichor Holdings, Ltd.**

We have acted as counsel as to Cayman Islands law to Ichor Holdings, Ltd. (the “**Company**”) in connection with the registration statement on Form S-1 (the “**Registration Statement**”) under the United States Securities Act of 1933, as amended (the “**Act**”) and filed with the United States Securities and Exchange Commission (the “**Commission**”) relating to, among other things, 5,175,000 ordinary shares of the Company of par value US\$0.0001 per share (the “**Shares**”) that have been issued to, and which may be offered by, the selling shareholders identified in the Registration Statement (together, the “**Selling Shareholders**”). This opinion is given in accordance with the terms of the Legal Matters section of the Registration Statement.

**1 Documents Reviewed**

We have reviewed originals, copies, drafts or conformed copies of the following documents and such other documents or instruments as we deem necessary:

- 1.1 The Certificate of Incorporation dated 30 January 2012 and the Amended and Restated Memorandum and Articles of Association of the Company as adopted by Special Resolution passed on 7 December 2016 and effective from 9 December 2016 (the “**Memorandum and Articles**”).
- 1.2 The corporate records of the Company maintained at its registered office in the Cayman Islands.
- 1.3 A copy of the register of members of the Company dated 11 April 2017 (the “**Register of Members**”).

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1.4 A certificate of good standing with respect to the Company issued by the Registrar of Companies (the “ **Certificate of Good Standing** ”).

1.5 The Registration Statement.

## **2 Assumptions**

The following opinions are given only as to, and based on, circumstances and matters of fact existing and known to us on the date of this opinion letter. These opinions only relate to the laws of the Cayman Islands which are in force on the date of this opinion letter. In giving the following opinions with respect to the Company, we have relied (without further verification) upon the completeness and accuracy of the Certificate of Good Standing. We have also relied upon the following assumptions, which we have not independently verified:

2.1 Copies of documents, conformed copies or drafts of documents provided to us are true and complete copies of, or in the final forms of, the originals, and translations of documents provided to us are complete and accurate.

2.2 No invitation has been or will be made to the public in the Cayman Islands to purchase the Shares.

2.3 The completeness and accuracy of the Register of Members.

## **3 Opinions**

Based upon, and subject to, the foregoing assumptions and the qualifications set out below, and having regard to such legal considerations as we deem relevant, we are of the opinion that:

3.1 The Company has been duly incorporated and is validly existing and in good standing under the laws of the Cayman Islands.

3.2 Based solely of our inspection of the Register of Members, the Selling Shareholders have valid title to their respective Shares and such Shares have been duly authorised, legally issued and are fully paid and non-assessable.

3.3 Based solely of our inspection of the Register of Members, there are no entries or notations indicating any third party interests, including any security interest as at the date hereof.

## **4 Qualifications**

The opinions expressed above are subject to the following qualifications:

4.1 To maintain the Company in good standing under the laws of the Cayman Islands, annual filing fees must be paid and returns made to the Registrar of Companies.

4.2 Under Cayman Islands law, the register of members (shareholders) is *prima facie* evidence of title to shares and this register would not record a third party interest in such shares. However, there are certain limited circumstances where an application may be made to a Cayman Islands court for a determination on whether the register of members reflects the correct legal position. Further, the Cayman Islands court has the power to order that the register of members maintained by a company should be rectified where it considers that the register of members does not reflect the correct legal position. As far as we are aware, such applications are rarely made in the Cayman

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Islands, but if such an application were made in respect of the Company's Ordinary Shares, then the validity of such shares may be subject to re-examination by a Cayman Islands court.

Except as specifically stated herein, we make no comment with respect to any representations and warranties which may be made by or with respect to the Company in any of the documents or instruments cited in this opinion or otherwise with respect to the commercial terms of the transactions the subject of this opinion.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the reference to our firm under the heading "Legal Matters" in the prospectus included in the Registration Statement. In providing our consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the Rules and Regulations of the Commission thereunder.

This opinion is limited to the matters detailed herein and is not to be read as an opinion with respect to any other matter.

Yours faithfully

Maples and Calder

/s/ Maples and Calder

<b>Name of Subsidiary</b>	<b>Jurisdiction of Incorporation, Organization or Formation</b>
FP-Ichor, Ltd.	Cayman Islands
Icicle Acquisition Holding Co-op	Netherlands
Icicle Acquisition Holding, B.V.	Netherlands
Ichor Holdings, LLC	Delaware
Ichor Holdings Ltd.	Scotland
Ichor Systems Singapore, PTE Ltd.	Singapore
Ichor Systems Ltd.	Scotland
Precision Flow Technologies, Inc.	New York
Ajax-United Patterns & Molds, Inc.	California
Ichor Systems, Inc.	Delaware
Ichor Systems Malaysia Sdn Bhd	Malaysia

**Consent of Independent Registered Public Accounting Firm**

The Board of Directors  
Ichor Holdings, Ltd.

We consent to the use of our report dated March 28, 2017, with respect to the consolidated balance sheets of Ichor Holdings, Ltd. and its subsidiaries as of December 30, 2016 and December 25, 2015, and the related consolidated statements of operations, shareholders' equity, and cash flows for each of the years in the three-year period ended December 30, 2016, included herein and to the reference to our firm under the heading "Experts" in the prospectus.

/s/ KPMG LLP

Portland, Oregon  
April 24, 2017