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II-VI INC  
Form 10-K  
August 26, 2016

United States

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K

Annual Report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
for the fiscal year ended June 30, 2016

Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
for the transition period from \_\_\_\_\_ to \_\_\_\_\_ .

Commission File Number: 0-16195

II-VI INCORPORATED

(Exact name of registrant as specified in its charter)

PENNSYLVANIA (State or other jurisdiction of incorporation or organization)	25-1214948 (I.R.S. Employer Identification No.)
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375 Saxonburg Boulevard Saxonburg, PA (Address of principal executive offices)	16056 (Zip code)
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Registrant's telephone number, including area code: 724-352-4455

Securities registered pursuant to Section 12(b) of the Act:

Title of Each Class	Name of Each Exchange on Which Registered
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Common Stock, no par value Nasdaq Global Select Market  
Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.  
Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definition of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer  (Do not check if a smaller reporting company) Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).  
Yes  No

Aggregate market value of outstanding Common Stock, no par value, held by non-affiliates of the Registrant at December 31, 2015, was approximately \$1,100,264,770 based on the closing sale price reported on the Nasdaq Global Select Market. For purposes of this calculation only, directors and executive officers of the Registrant and their spouses are deemed to be affiliates of the Registrant.

Number of outstanding shares of Common Stock, no par value, at August 19, 2016, was 62,637,200.



## DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive proxy statement, which will be issued in connection with the 2016 Annual Meeting of Shareholders of II-VI Incorporated, are incorporated by reference into Part III of this Annual Report on Form 10-K.

### Forward-Looking Statements

This Annual Report on Form 10-K (including certain information incorporated herein by reference) contains forward-looking statements made pursuant to Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements can be identified as those that may predict, forecast, indicate or imply future results, performance or advancements and by forward-looking words such as "expects," "anticipates," "intends," "plans," "projects," "believes," "estimates" or similar expressions. Forward-looking statements address, among other things, our expectations, our growth strategies, our efforts to increase bookings, sales and revenues, projections of our future profitability, results of operations, capital expenditures, our financial condition or other "forward-looking" information and include statements about revenues, earnings, spending, margins, costs or our actions, plans or strategies.

The forward-looking statements in this Annual Report on Form 10-K involve risks and uncertainties, which could cause actual results, performance or trends to differ materially from those expressed in the forward-looking statements herein or in previous disclosures. II-VI Incorporated believes that all forward-looking statements made by it have a reasonable basis, but there can be no assurance that these expectations, beliefs or projections will actually occur or prove to be correct. Actual results could materially differ from such statements.

The following factors, among others, in some cases have affected and in the future could affect our financial performance and actual results, and could cause actual results for fiscal 2016 and beyond to differ materially from those expressed or implied in any forward-looking statements included in this Annual Report on Form 10-K or otherwise made by our management:

- Our future success depends on continued international sales,
- Our competitive position depends on our ability to develop new products and processes,
- Investments in future markets of potential significant growth may not result in expected returns,
- We may fail to accurately estimate our customers' demand,
- Global economic downturns may adversely affect our business, operating results and financial condition,
- Our global operations are complex to manage,
- We have entered into supply agreements which commit us to supply products on specified terms,
- We depend on highly complex manufacturing processes that require products from limited sources of supply,
- Our global operations are subject to complex legal and regulatory requirements,
- We may encounter substantially increased competition,
- Our competitive position may require significant investments in strategic acquisitions,
- Declines in the operating performance of one of our business segments could result in an impairment of the segment's goodwill and indefinite-lived intangible assets,
- There are limitations on the protection of our intellectual property,
- We are subject to governmental import and export regulations,
- We have agreements with government entities,
- We use and generate hazardous substances that are subject to stringent environmental regulations,
- We may be adversely affected by climate change regulations,
- Data breach incidents and breakdown of information and communication technologies could disrupt our operations and impact our financial results,

- Some systems that use our products are complex in design, and our products may contain defects that are not detected until deployed which could increase our costs and reduce our revenues,
- Significant defense spending cuts and/or reductions in defense programs could adversely impact our business,

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- Change in tax rates, tax liabilities or tax accounting rules could affect future results,
- Our success depends on our ability to retain key personnel,
- Natural disasters or other global or regional catastrophic events could disrupt our operations and adversely affect our results,
- A significant portion of our business depends on cyclical industries,
- Increases in commodity prices may adversely affect our results of operations and financial condition,
- Regulations related to conflict minerals could adversely impact our business,
- The market price of our common stock can be highly volatile,
- Provisions in our articles of incorporation and by-laws may limit the price that investors may be willing to pay in the future for shares of our common stock,
- Because we do not currently intend to pay dividends, shareholders will benefit from an investment in our common stock only if it appreciates in value

The foregoing and additional risk factors are described in more detail herein under Item 1A. “Risk Factors”. In addition, we operate in a highly competitive and rapidly changing environment and therefore, new risk factors can arise. It is not possible for management to predict all such risk factors, assess the impact of all such risk factors on our business nor estimate the extent to which any individual risk factor, or combination of risk factors, may cause results to differ materially from those contained in any forward-looking statement. The forward-looking statements included in this Annual Report on Form 10-K speak only as of the date of this Annual Report on Form 10-K. We do not assume any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or developments, or otherwise, except as may be required by the securities laws. We caution you not to rely on them unduly.

Investors should also be aware that while II-VI Incorporated does communicate with securities analysts, from time to time, those communications are conducted in accordance with applicable securities laws. Investors should not assume that II-VI Incorporated agrees with any statement or report issued by any analyst irrespective of the content of the statement or report.

PART I

Item 1. BUSINESS

Introduction

II-VI Incorporated (“II-VI,” the “Company,” “we,” “us,” or “our”) was incorporated in Pennsylvania in 1971. Our executive offices are located at 375 Saxonburg Boulevard, Saxonburg, Pennsylvania 16056. Our telephone number is 724-352-4455. Reference to “II-VI,” the “Company,” “we,” “us,” or “our” in this Annual Report on Form 10-K, unless the context requires otherwise, refers to II-VI Incorporated and its wholly-owned subsidiaries. The Company’s name is pronounced “Two Six Incorporated.” The majority of our revenues are attributable to the sale of engineered materials and optoelectronic components and devices for industrial laser applications, optical communications products, compound semiconductor substrate-based products and consumer products. Reference to “fiscal” or “fiscal year” means our fiscal year ended June 30 for the year referenced.

The Company’s organizational structure is divided into three reporting segments for the purpose of making operational decisions and assessing financial performance: (i) II-VI Laser Solutions, (ii) II-VI Photonics, and (iii) II-VI Performance Products. These segments, and the units within the segments, are reflected in the organization chart below:

During the fiscal year ended June 30, 2016, the Company completed two acquisitions:

February 1, 2016 EpiWorks, Inc. (“EpiWorks”)

March 15, 2016 ANADIGICS, Inc. (“ANADIGICS”)

These two acquired businesses joined the II-VI Laser Solutions segment. See Note 2 to the Company’s Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information regarding the Company’s acquisitions, which information is incorporated herein by reference.

On June 3, 2016, the Company sold the assets of ANADIGICS’s radio frequency (“RF”) business. In conjunction with the sale of the RF business, the Company renamed ANADIGICS as II-VI OptoElectronic Devices, Inc. (“OED”). See Note 2 to the Company’s consolidated financial statements included in Item 8 of this Annual Report on Form 10-K for additional information regarding the Company’s disposition of the RF business, which information is incorporated herein by reference.

#### Information Regarding Market Segments and Foreign Operations

Financial data regarding our revenues, results of operations, industry segments and international sales for the three years ended June 30, 2016 are set forth in the Consolidated Statements of Earnings and in Note 11 to the Company’s Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K and are incorporated herein by reference. We also discuss certain Risk Factors set forth in Item 1A of this Annual Report on Form 10-K related to our foreign operations, which are incorporated herein by reference.

#### General Description of Business

We develop and manufacture engineered materials, optoelectronic components and products for precision use in industrial, optical communications, military, semiconductor, consumer and life science applications. We use advanced engineered material growth technologies coupled with proprietary high-precision fabrication, micro-assembly, thin-film coating and electronic integration to enable complex optoelectronic devices and modules. Our products are deployed in applications that we believe reduce costs and improve performance and reliability in a variety of applications, including:

- Laser cutting, welding and marking operations,
- 3D sensing consumer applications,
- Optical communication products,
- Intelligence, surveillance and reconnaissance,
  - Semiconductor processing and tooling, and
- Thermoelectric cooling and power generation solutions.

A key Company strategy is to develop and manufacture high performance materials that are differentiated from those produced by our competitors. We focus on providing components that are critical to the heart of our customers’ assembly lines for products serving the applications mentioned above.



Our U.S. production and research and development operations are located in Pennsylvania, California, New Jersey, Texas, Mississippi, Massachusetts, Connecticut, Delaware, New York, Florida and Illinois and our non-U.S. production operations are based in China, Singapore, Vietnam, the Philippines, Germany and Switzerland. We also utilize a contract manufacturer in Thailand. In addition to sales offices at most of our manufacturing sites, we have sales and marketing subsidiaries in Hong Kong, Japan, Germany, China, Switzerland, Belgium, the United Kingdom (“U.K.”), Italy and South Korea. Approximately 63% of our revenues for the fiscal year ended June 30, 2016 were generated from sales to customers outside of the United States (“U.S.”).

## Our Markets and Products

Our market-focused businesses are organized by technology and products. Our businesses are composed of the following primary markets:

		Fiscal Year 2016 Revenues by Market:
Our Markets:	Addressable Markets:	
Industrial	Material processing - including laser cutting, welding, drilling, ablation, cladding, heat treating and marking. Chemical Vapor Deposition (“CVD”) Diamond - windows, tooling, microwave and radiation detection. 3D sensing and printing applications.	\$294 million
Optical Communications	Optical high-speed datacom applications and high power sensing for consumer electronic applications. Low-power polarization locked products for optical mouse and finger navigation applications. CATV networks and data centers. Metro to long haul and undersea networks.	\$298 million
Military	Intelligence, surveillance, and reconnaissance.	\$104 million
Other	Semiconductor, display and refractory components. Life science, medical and cosmetic devices. Cooling, heating and power generation. Consumer applications.	\$131 million

The details of our Addressable Markets and our Key Products by Business Unit:

### II-VI Laser Solutions Segment

#### II-VI Infrared Optics Group:

- Design, manufacture and marketing of engineered materials and optoelectronic components for industrial applications.

Increases in the installed worldwide base of carbon dioxide (“CO<sub>2</sub>”) and fiber laser machines for a variety of laser processing applications have driven CO<sub>2</sub> laser optics component consumption. It is estimated that there are over 75,000 CO<sub>2</sub> laser systems currently deployed in the world. CO<sub>2</sub> and fiber lasers offer benefits in a wide variety of cutting, welding, drilling, ablation, cladding, heat treating and marking applications for materials such as steel alloys, non-ferrous metals, plastics, wood, paper, fiberboard, ceramics and composites.

Laser systems enable manufacturers to reduce parts cost and improve quality, as well as improve process precision, speed, throughput, flexibility, repeatability and automation. Automobile manufacturers, for example, deploy lasers both to cut body components and to weld those parts together in high-throughput production lines. Manufacturers of motorcycles, lawn mowers and garden tractors cut, trim, and weld metal parts with lasers to reduce post-processing steps and, therefore, lower overall manufacturing costs. Furniture manufacturers utilize lasers because of their easily reconfigurable, low-cost prototyping and production capabilities for customer-specified designs. In high-speed food and pharmaceutical packaging lines, laser marking is used to provide automated product, date and lot coding on containers.

In addition to being installed by original equipment manufacturers (“OEMs”) of laser systems in new machine builds, our optical components are purchased as replacement parts by end-users of laser machines to maintain proper system

performance.

In newer and developing market segments, Silicon Carbide (“SiC”) and CVD Diamond both exhibit very high thermal conductivities for use in high-end applications in the semiconductor and optoelectronic markets. CVD Diamond also has applications in the windows, tooling, microwave and radiation detection markets.

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The key products enabling these applications in our addressable markets include precision infrared optoelectronic components such as lenses, output couplers, windows, mirrors and scan-lenses for use in CO<sub>2</sub> and fiber lasers. Our precision optoelectronic components are used to control laser energy, enhance the properties of the laser beam and focus and direct laser beams to a target work surface. The optoelectronic components include both reflective and transmissive optics and are made from materials such as zinc selenide, zinc sulfide, copper, silicon, gallium arsenide (“GaAs”) and germanium. Transmissive optics used with CO<sub>2</sub> lasers are predominately made from zinc selenide. We believe we are the largest manufacturer of zinc selenide in the world.

#### II-VI HIGHYAG Division:

- Design, manufacture and marketing of customized technology for laser material processing to deliver both low-power and high-power one-micron laser light for industrial applications.

In many areas of material processing, laser technology has proven to be a better alternative to conventional production techniques. It has also enabled novel processing steps not previously achievable with legacy technologies. The precise cut and elegant seam are visible proof of a laser beam’s machining efficiency.

Industrial applications such as welding, drilling and cutting have driven the recent market growth of one-micron laser systems, and are demanding increased performance, lower total cost of ownership, ease of use and portability of the one-micron laser systems. One-micron laser systems require efficient and reliable tools for the most demanding automotive and machine tool industries.

The key product enabling these applications include modular laser processing heads for fiber lasers, direct diode lasers and other one-micron laser systems. We also manufacture beam delivery systems including fiber optic cables and modular beam coupling systems.

#### II-VI OptoElectronic Materials & Devices Group:

##### II-VI Laser Enterprise Division:

- Design, manufacture and marketing of advanced semiconductor laser diodes and low-power polarization locked laser diodes.

We market advanced laser technology diodes for material processing, medical, cosmetic, 3-D sensing and printing applications and are exploring other new market opportunities for our high-power lasers.

In addition, we sell low-power polarization locked products for optical mouse and finger navigation applications. Our market opportunities for vertical cavity surface emitting laser (“VCSEL”) products are expanding to include optical high-speed datacom applications and high-power sensing for consumer electronics applications.

##### II-VI OptoElectronic Devices Division:

- Design, manufacture and marketing of six-inch GaAs wafers.

Current markets include consumer electronics, WiFi, Internet of Things and automotive. The need for epitaxial semiconductor wafers is critical as devices require more power and storage capacity.

##### II-VI EpiWorks:

- Design, manufacture and marketing of epitaxial compound semiconductor wafers.

Epitaxial compound semiconductor wafers are driving performance in many differentiated markets including consumer electronics, laser projection, data centers, tailored heating and industrial marking. Our products are geared toward enabling higher performance photonic and RF components for consumer, communications, network and mobile applications and RF components for wireless handsets, tablets and the Internet of Things. We are a leading producer of advanced epitaxial wafers tailored for optimal performance in multiple next generation applications including LED and laser wafers used in displays and RF wafers used in smartphones.

#### II-VI Suwtech Division:

- Design, manufacture and marketing of high-power lasers for industrial applications and green lasers for consumer, life science and industrial applications. We supply high-power laser, green laser, narrow line-width laser and Q-switched laser solutions. Additionally, the division creates ultra-hard material laser cutting machines for industrial applications.

The need for high-power and green laser for industrial and medical applications continues to grow as does the need for a laser cutting device capable of processing the next generation of ultra-hard materials like diamond.

#### II-VI Photonics Segment

##### II-VI Photop Group:

- Our engineering resources are broadly based for design, manufacture and marketing of a diverse range of customized optics, including optical assemblies for consumer and commercial applications such as fiber optic communications, projection and display products, lasers, medical equipment and bio-medical instrumentation. Products include a wide variety of standard and custom laser gain materials, optics, optical components and optical module assemblies. Our laser gain materials are produced to stringent industry standards and precisely fabricated to customer specifications, and include neodymium-doped yttrium aluminum garnet (“Nd:YAG”) and erbium-doped yttrium aluminum garnet (“Er:YAG”) components for many types of laser systems.
- In addition, we design, manufacture and market crystal and optical components to major OEM customers for fiber, solid state and gas laser systems used in industrial and medical applications.
- The II-VI Photop market is driven by applications in the optical communications, medical and life science, and industrial markets. The optical communications market segment requires delivery of ever-increasing data bandwidth and necessitates innovations in performance and cost of the underlying optics and optical components.
- Medical and life science applications continue to gain traction in the market for laser procedures for aesthetic, vision correction, dental, ophthalmic, surgical and diagnostic lasers and instruments.
- Industrial market segments are addressed by solid state lasers and fiber lasers, which are used in high-power applications such as cutting, welding, drilling, and lower power applications such as marking and engraving. These industrial applications are demanding higher performance levels for less cost and more efficiency, creating competition for older technologies.
- II-VI Photop also addresses opportunities in the semiconductor processing, instrumentation, test and measurement and research market segments.

##### II-VI Optical Communications Group:

- Design, manufacture and marketing of optical components, assemblies, modules, transceivers and monitor products for use in communications, cable television (“CATV”) networks and data centers.
- Design, manufacture and marketing of Erbium Doped Fiber Amplifiers (“EDFA”) and their source 980 nanometer (“nm”) pump laser diodes used to compensate for losses in optical fiber and other optical components and modules in optical transmission systems.
- Design, manufacture and marketing of Optical Time Domain Reflectometry (“OTDR”) products for embedded monitoring of the physical line integrity in optical transmission systems.

The optical communications market is being driven in part by demand for high-bandwidth communication capabilities through increasing worldwide usage of the Internet and data services, the growing number of broadband users, mobile device and cloud computing users, and the greater reliance on high-bandwidth capabilities in our daily lives.

High-bandwidth communication networks are being extended closer to the end-user with fiber-to-the-home and other fiber optic networks. Mobile data traffic also is increasing as smart phones continue to proliferate with increasingly sophisticated audio, photo, video, email and Internet capabilities, as well as data connection and storage through cloud computing networks. The resulting traffic, in turn, is felt throughout the network, including the core that depends on

optical technology. Our passive components, assemblies and modules are used for filtering, switching, combining and routing optical wavelengths within optical networks. Our monitoring products are used for measuring the performance of optical channels and systems.

Our 980 nm pump laser diodes are designed for use as high-power, highly reliable pump sources for EDFAs in terrestrial access, cross-connect, metro to long haul and undersea (submarine) repeater applications. Single mode high-power uncooled modules are designed for both the single channel and small form factor terrestrial market and also the stringent high reliability demands of the submarine (subsea) network market. In addition, we market EDFAs that are used to compensate for losses in optical fiber and other optical components and modules in optical transmission systems. We

offer optical amplifiers at all levels of functionality, from simple optical modules through full circuit cards, which plug directly into our customers' equipment racks and service the metro, regional and long-haul optical transmission markets. In some cases, we add additional switching and monitoring functionality to the base amplifier.

## II-VI Performance Products Segment

### II-VI Optical Systems:

- Design, manufacture and marketing of Ultra Violet ("UV"), Visible ("VIS") and Infrared ("IR") optical components and high-precision optical assemblies, laser gain material and micro-fine conductive mesh patterns for intelligence, surveillance, reconnaissance and other military, life science and commercial laser and imaging applications.

We provide several key assemblies and optical components such as windows, domes, laser rods and optics and related sub-assemblies to military, semiconductor, medical, and life sciences markets for UV, VIS, and IR applications in night vision, targeting, navigation, missile warning, and Homeland Security Intelligence, Surveillance and Reconnaissance systems.

Infrared windows and window assemblies for navigational and targeting systems are deployed on fixed and rotary-wing aircraft, such as the F-35 Joint Strike Fighter, F-16 fighter jet, Apache Attack Helicopter, unmanned platforms such as the Predator and Reaper Unmanned Aerial Vehicle ("UAV") and ground vehicles such as the Abrams M-1 Tank and Bradley Fighting Vehicle.

Additionally, multiple fighter jets, including the F-16, are equipped with large area sapphire windows, as a key component for the aircraft, providing advanced targeting and imaging systems. Our ability to grow large sapphire materials and manufacture these materials into large area sapphire windows has played a key role in our ability to provide an even larger suite of sapphire panels, which are a key component of the F-35 Joint Strike Fighter Electro Optical Targeting System.

Infrared domes are used on missiles with infrared guidance systems ranging from small, man-portable designs to larger designs mounted on helicopters, fixed-wing aircraft and ground vehicles. High-precision domes are an integral component of a missile's targeting system, providing efficient tactical capability, while serving as a protective cover to its internal components.

The Company also offers precision optical engineering and manufacturing, with particular efficiency in designing to customer end-item specifications, assisting with co-engineering designs, and designing for manufacturability. The high precision optical components and assemblies programs include Deep Impact Comet Flyby HRI & MRI, Lunar Reconnaissance Orbiter, Hellfire II Missile Optics, missile launch detection sensor optical assembly, and High Altitude Observatory telescopes among others. In addition to imaging, many of these systems employ laser designation and range-finding capabilities supported by our YAG material growth and competency in short wave infrared and visible optics. Turreted systems and mounted targeting pods employ these capabilities in addition to hand-held soldier systems. Rotary and fixed-wing platforms also use missile warning systems to protect against shoulder fired man-portable missiles. Our competencies in material growth for UV crystals and our optical assembly capabilities provide significant support to these missile warning systems. A key attribute to several of these systems is the ability to filter electro-magnetic interference using micro-fine conductive mesh patterns. This technology is also applied to non-optical applications for absorbing and transmitting energy from the surfaces of aircraft and missiles.

### II-VI Marlow:

- Design, manufacture and marketing of Thermoelectric Modules ("TEMs") and assemblies for cooling, heating and power generation applications in the defense, telecommunications, medical, consumer and industrial markets.



TEMs are solid-state semiconductor devices that act as small heat pumps to cool, heat and temperature stabilize a wide range of materials, components and systems. Conversely, the principles underlying thermoelectrics allow TEMs to be used as a source of power when subjected to temperature differences. TEMs are more reliable than alternative cooling solutions that require moving parts and provide more precise temperature control solutions than competing technologies.

TEMs also have many other advantages which have spurred their adoption in a variety of industries and applications including defense and space applications that involve IR cooled and uncooled night vision technologies and thermal reference sources that are deployed in state-of-the-art weapons, as well as cooling high-powered lasers used for range-finding target designation by military personnel. TEMs also allow for temperature stabilization of telecommunication lasers that generate and amplify optical signals for fiber optics systems.

Thermoelectric-based solutions appear in a variety of medical applications including instrumentation and analytical applications such as DNA replication, blood analyzers and medical laser equipment.

The industrial, commercial and consumer markets provide a variety of niche applications ranging from desktop refrigerators and wine coolers to personal comfort technology, semiconductor processes and test equipment. In addition, power generation applications are expanding into fields such as waste heat recovery, heat scavenging and co-generation.

#### II-VI M Cubed:

·Design, manufacture and marketing of advanced ceramic materials and precision products for the semiconductor, display, industrial and defense markets.

Metal matrix composites (“MMC”) and reaction bonded ceramics products are found in applications requiring precision, lightweight, strength, hardness and matched coefficient of thermal expansion. Each market has its own unique requirements and applications that drive material selection. This is especially true in semiconductor tool applications that require advanced materials to meet the need for increased tolerance, enhanced thermal stability, faster wafer transfer speeds, increased yields and reduced stage settling times.

The semiconductor markets employ SiC for wafer chucks, light-wave scanning stages and high temperature, corrosion resistant wafer support systems. Cooled SiC mirrors are used in the illumination systems of lithography tools.

The industrial market uses a variety of ceramic materials for applications requiring chemical inertness or high temperature tolerance such as in flat panel display manufacturing equipment, and refractory components.

The defense market uses MMCs for protective body armor as well as protection for ground, air and naval resources.

#### II-VI Advanced Materials:

·Design, manufacture and marketing of single crystal SiC substrates and polycrystalline CVD Diamond materials for use in the mobile communications, renewable energy, industrial, defense, semiconductor equipment and thermal management markets.

SiC is a wide bandgap semiconductor material that offers high-temperature, high-power and high-frequency capabilities as a substrate for applications at the high-performance end of the defense, telecommunication and industrial markets. SiC has a high number of intrinsic physical and electronic advantages over competing semiconductor materials such as silicon and GaAs. For example, the high thermal conductivity of SiC enables SiC-based devices to operate at high-power levels and still dissipate the excess heat generated. II-VI Advanced Materials supplies base SiC substrates into this market.

SiC-based structures are being developed and deployed for the manufacture of a wide variety of microwave and power switching devices. High-power, high-frequency SiC-based microwave devices are used in next generation wireless switching telecommunication applications and in both commercial and military radar applications.

SiC-based, high-power, high-speed devices improve the performance, efficiency and reliability of electrical power transmission and distribution systems (“smart grid”). They also provide power conditioning and switching in power supplies and motor controls in a wide variety of applications including aircraft, hybrid vehicles, industrial, communications and green energy applications.

Both SiC and CVD Diamond materials are being utilized in optical and electronic applications requiring high thermal conductivity for advanced thermal management. CVD Diamond also has applications in the semiconductor equipment, including: extreme ultraviolet (“EUV”) lithography, windows, tooling, microwave and radiation detection markets.



## Our Strategy

Our strategy is to grow businesses with world-class engineered material capabilities to advance our current customers' strategies, penetrate new markets through innovative technologies and platforms, and enable new applications in large and growing markets.

A substantial portion of our business is based on sales orders with market leaders, which enable our forward planning and production efficiencies. We intend to continue capitalizing and executing on this proven model, participating effectively in the growth of the markets discussed above, and continuing our focus on operational excellence as we execute business strategies in the areas of:

Key Business Strategies: Identify New Products and Markets	Our Plan to Execute: Identify new technologies, products and markets to meet evolving customer requirements for high performance engineered materials through our dedicated corporate R&D program to increase new product revenue and maximize return on investment.
Balanced Approach to Research and Development	Internally and externally funded R&D expenditures, targeting an overall investment of between 7 and 9 percent of revenues. We are committed to accepting the right mix of internally and externally funded research that ties closely to our long-term strategic objectives.
Leverage Vertical Integration	Combine R&D and manufacturing expertise, operating with a bias to both components and production machines, reducing cost and lead time to enhance competitiveness, time to market, and profitability.
Investment in Low Cost Manufacturing	Strategically invest in, evaluate and identify opportunities to consolidate manufacturing operations worldwide to increase production capacity, capabilities and cost effectiveness.
Enhance Our Performance and Reputation as a Quality and Customer Service Leader	Continue to improve upon our established reputation as a consistent, high-quality supplier of engineered materials and optoelectrical components into our customers' products. Execute our global quality transformation process thereby eliminating costs of non-conforming materials and processes.
Identify and Complete Strategic Acquisitions and Alliances	Identify acquisition opportunities that accelerate our access to emerging high-growth segments of the markets we serve and further leverage our competencies and economies of scale.
Research, Development and Engineering	

During the current fiscal year ended June 30, 2016, the Company continued to identify, invest in and focus our research and development on new products across the Company in an effort to accelerate our organic growth. This approach is managed under a disciplined innovation program that we refer to as the "II-VI Phase Gate Process".

Our research and development program includes internally and externally funded research and development expenditures targeting an overall annual investment of between 7 and 9 percent of product revenues. From time to time, the ratio of externally funded contract activity to internally funded contract activity varies due to the unevenness of government funded research programs and changes in the focus of our internally funded research programs. We are committed to having the right mix of internally and externally funded research that ties closely to our long-term strategic objectives. The Company continues to believe that externally funded research and development will decrease in the near term due to governmental budget constraints.

We devote significant resources to research, development and engineering programs directed at the continuous improvement of our existing products and processes and to the timely development of new technologies, materials and products. We believe that our research, development and engineering activities are essential to establish and maintain a leadership position in each of the markets we serve. As of June 30, 2016, we employed 892 people in research, development and engineering functions, 535 of who are engineers or scientists. In addition, certain manufacturing personnel support or participate in our research and development efforts on an ongoing basis. We believe this interaction between the development and manufacturing functions enhances the direction of our projects and design for manufacturing, reducing costs and accelerating technology transfers.

During the fiscal year ended June 30, 2016, we focused our research and development investments in the following areas:

Segment:	Area of Development:	Our Research and Development Investments:
II-VI Laser Solutions	High Power Laser Diodes and High Volume Components	Focusing on increasing fiber coupled optical output power of multi-emitter modules. Developing high power VCSELs for consumer devices and next generation high speed VCSELs for 3D sensing and datacom applications.
	CVD Diamond Technology	Developing CVD synthetic diamond for EUV applications. Focusing on broadening our portfolio beyond infrared windows applications.
II-VI Photonics	Photonics Design	Continuing to improve photonic crystal materials, precision optical parts, and laser device components.
	Pump Lasers	Investing in next generation GaAs pump chip and module for terrestrial and undersea performance.
	Optical Amplifiers	Developing indium phosphide growth and processing capability. Investing and broadening the range of semi-custom and custom amplifiers for Tier 1 customers.
	Optical Monitoring	Continuing optical channel monitor investment. Developing OTDR monitors to measure the health of outside fiber plant connections and connections within the central office.
II-VI Performance Products	Micro-Optics Manufacturing	Shifting toward smaller, more compact platforms and packages. Investing in equipment manufacture substrates using computerized manufacturing processes.
	Silicon Carbide Technology	Continuing SiC substrate technology efforts to advance 4G and 5G wireless. Producing as a leading supplier of 150mm SiC material and first supplier of 200mm SiC material.
	Thermoelectric Materials and Devices	Continuing to develop leading bismuth telluride (“Bi <sub>2</sub> Te <sub>3</sub> ”) for thermoelectric cooling/heating. Focusing on thermoelectric power generation capability in order to introduce new products to the market.
	Metal Matrix Composites and Reaction Bonded Ceramics	Supporting OEMs in new product development for measurement tools used in semiconductor fabrication.

The development of our products and manufacturing processes is largely based on proprietary technical know-how and expertise. We rely on a combination of contract provisions, trade secret laws, invention disclosures and patents to protect our proprietary rights. We have entered into selective intellectual property licensing agreements. When faced with potential infringement of our proprietary information, we have in the past and will continue to assert and vigorously protect our intellectual property rights.

Internally funded research and development expenditures were \$60.4 million, \$51.3 million and \$42.5 million for the fiscal years ended June 30, 2016, 2015 and 2014, respectively. For these same periods, externally funded research and development expenditures were \$8.7 million, \$9.5 million and \$3.5 million, respectively.

#### Marketing and Sales

We market our products through a direct sales force and through representatives and distributors around the world. Our market strategy is focused on understanding our customers’ requirements and building market awareness and

acceptance of our products. New products are continually being produced and introduced to our new and established customers in all markets.

The Company has undertaken an initiative to centralize the worldwide marketing and sales functions across the Company's business units. Sales offices have been strategically established to best serve and distribute products to our worldwide customer base. There is significant cooperation, coordination and synergies among our business units that capitalize on the most efficient and appropriate marketing channels to address diverse applications within our markets.

Our sales forces develop effective communications with our OEM and end-user customers worldwide. Products are actively marketed through targeted mailings, telemarketing, select advertising and attendance at trade shows and customer partnerships. Our sales force includes a highly-trained team of application engineers to assist customers in designing, testing and qualifying our parts as key components of our customers' systems. As of June 30, 2016, we employed 262 individuals in sales, marketing and support.

We do business with a number of customers in the defense industry, who in turn generally contract with a governmental entity, typically a U.S. governmental agency. Most governmental programs are subject to funding approval and can be modified or terminated without warning by a legislative or administrative body. For further information regarding our exposure to government markets, see the discussion set forth in Item 1A – Risk Factors of this Annual Report on Form 10-K.

#### Manufacturing Technology and Processes

As noted in the “Our Strategy” section, many of the products we produce depend on our ability to manufacture and refine technically challenging materials and components. The ability to produce, process and refine these complex materials and to control their quality and yields is an expertise of the Company that is critical to the performance of our customers' instruments and systems. In the markets we serve, there are a limited number of suppliers of many of the components we manufacture and there are very few industry-standard products.

Our network of worldwide manufacturing sites allows us to manufacture our products in regions that provide cost-effective advantages and proximity to our customers. We employ numerous advanced manufacturing technologies and systems at our manufacturing facilities. These include automated Computer Numeric Control optical fabrication, high throughput thin-film coaters, micro-precision metrology and custom-engineered automated furnace controls for crystal growth processes. Manufacturing products for use across the electro-magnetic spectrum requires the capability to repeatedly produce products with high yields to atomic tolerances. We embody a technology and quality mindset that gives our customers the confidence to utilize our products on a just-in-time basis straight into the heart of their production lines.

#### Export and Import Compliance

We are required to comply with various export/import control and economic sanction laws, including:

- The International Traffic in Arms Regulations (“ITAR”) administered by the U.S. Department of State, Directorate of Defense Trade Controls, which, among other things, impose licensing requirements on the export from the U.S. of certain defense articles and defense services, which generally include items that are specially designed or adapted for a military application and/or listed on the U.S. Munitions List;
- The Export Administration Regulations (“EAR”) administered by the U.S. Department of Commerce, Bureau of Industry and Security, which, among other things, impose licensing requirements on the of certain dual-use goods, technology and software, which are items that potentially have both commercial and military applications;
- The regulations administered by the U.S. Department of Treasury, Office of Foreign Assets Control, which implement economic sanctions imposed against designated countries, governments and persons based on U.S. foreign policy and national security considerations; and
- The import regulations administered by the U.S. Customs and Border Protection.



Foreign governments have also implemented similar export and import control regulations, which may affect our operations or transactions subject to their jurisdiction. For additional discussions regarding our import and export compliance, see the discussion set forth in Item 1A – Risk Factors of this Annual Report Form on Form 10-K.

#### Sources of Supply

The major raw materials we use include zinc, selenium, zinc selenide, zinc sulfide, hydrogen selenide, hydrogen sulfide, tellurium, yttrium oxide, aluminum oxide, iridium, platinum, bismuth, silicon, thorium fluoride, antimony, carbon, gallium arsenide, copper, germanium, molybdenum, quartz, optical glass, diamond, and other materials. Excluding our own production, there are more than two external suppliers for all of the above materials except for zinc sulfide, hydrogen selenide and thorium fluoride, for which there is only one proven source of supply outside of the Company's capabilities, and zinc selenide, for which there are no other proven external

sources of supply. For many materials, we have entered into purchase arrangements which provide discounts for annual volume purchases in excess of specified amounts.

The continued high-quality of and access to these materials is critical to the stability and predictability of our manufacturing yields. We test materials at the onset of the production process. Additional research and capital investment may be needed to better define future starting material specifications. We have not experienced significant production delays due to shortages of materials. However, we do occasionally experience problems associated with vendor-supplied materials not meeting contract specifications for quality or purity. As discussed in greater detail in Item 1A – Risk Factors, of this Annual Report on Form 10-K, significant failure of our suppliers to deliver sufficient quantities of necessary high-quality materials on a timely basis could have a materially adverse effect on our results of our operations.

Customers

The main groups of customers by segments are as follows:

Segment:	Group/Division:	Our Customers Are:	Representative Customers:
II-VI Laser Solutions	II-VI Infrared Optics Group	OEM and system integrators of industrial, medical and military laser systems.	·TRUMPF GmbH+Co.KG  ·Bystronic Laser AG
		Laser end-users who require replacement optics for their existing laser systems.	·Rofin-Sinar Technologies, Inc. ·Caterpillar, Inc.
	Military, aerospace and commercial customers requiring products for use in advanced targeting, navigation and surveillance.	·Honda of America Mfg., Inc. ·Lockheed Martin Corporation	
	II-VI HIGHYAG Division	Automotive manufacturers, laser manufacturers and system integrators.	·Northrop Grumman Corporation. ·Volkswagen AG
II-VI Photonics	II-VI Laser Enterprise Division, II-VI EpiWorks, & II-VI OptoElectronic Devices Division	Manufacturers of industrial laser components, optical communication equipment and consumer technology applications.	·Laserline GmbH ·Laserline GmbH  ·Huawei Technologies, Co., Ltd.  ·Cisco Systems, Inc.
	II-VI Photop Group & II-VI Optical Communications Group	Worldwide network system and sub-system providers of telecommunications, data communications and CATV.  Global manufacturers of commercial and consumer products used in a wide array of instruments, fiber lasers, display and projection devices.	·Samsung  ·SkyWorks ·Huawei Technologies, Co., Ltd.  ·Cisco Systems, Inc. ·Ciena Corporation  ·Corning Incorporated

II-VI Performance Products	II-VI Optical Systems	Manufacturers of equipment and devices for aerospace, defense, life science and commercial markets.	<ul style="list-style-type: none"> <li>·Google, Inc.</li> <li>·Lockheed Martin Corporation</li> <li>·Raytheon Company</li> <li>·BAE Systems</li> <li>·Boeing Corporation</li> </ul>
	II-VI Marlow	Manufacturers and developers of equipment and devices for defense, space, telecommunications, medical, industrial, automotive, personal comfort and commercial markets.	<ul style="list-style-type: none"> <li>·Northrup Grumman Corporation</li> <li>·Bio-Rad Laboratories, Inc.</li> <li>·Raytheon Company</li> </ul>
	II-VI M Cubed	Manufacturers and developers of integrated circuit capital equipment for the semiconductor industry.	<ul style="list-style-type: none"> <li>·Flextronics International Ltd.</li> <li>·ASML Holding NV</li> <li>·Nikon Corporation</li> </ul>
		Manufacturers and developers of products and components for various defense and industrial markets.	<ul style="list-style-type: none"> <li>·KLA-Tencor</li> <li>·BAE Systems</li> <li>·Corning Incorporated</li> </ul>
	II-VI Advanced Materials	<p>Manufacturers and developers of equipment and devices for high-power RF electronics and high-power and voltage switching and power conversion systems for both commercial and military applications.</p> <p>Manufacturers of high-power optical and electronic devices requiring advanced thermal management solutions.</p>	<ul style="list-style-type: none"> <li>·TenCate</li> <li>·IQE plc</li> <li>·Infineon Technologies</li> <li>·Sumitomo Electric Device Innovations, Inc.</li> </ul>

Competition

We believe we are a global leader in many of our product families. We compete on the basis of the highly engineered nature of our products, quality, delivery time, technical support and pricing. We believe that we compete favorably with respect to these factors and that our vertical integration, manufacturing facilities and equipment, experienced technical and manufacturing employees and worldwide marketing and distribution channels provide us with competitive advantages. The main groups of our competitors are as follows:

Segment:	Areas of Competition:	Competitors:
II-VI Laser Solutions	Infrared laser optics	<ul style="list-style-type: none"> <li>·Sumitomo Electric Industries, Ltd.</li> </ul>
	Automated equipment and laser material processing tools to deliver high-power one-micron laser systems	<ul style="list-style-type: none"> <li>·Newport Corporation</li> <li>·Optoskand AB</li> <li>·Precitece GmbH</li> <li>·Lumentum Operations LLC</li> </ul>
	Semiconductor laser diodes for the industrial and consumer markets	<ul style="list-style-type: none"> <li>·Finisar Corporation</li> <li>·Avago Technologies</li> <li>·Sumitomo Electric Industries, Ltd.</li> <li>·Koninklijke Philips N.V</li> <li>·Jenoptik AG</li> </ul>
II-VI Photonics	Optical component and optics products for telecom	<ul style="list-style-type: none"> <li>·Osram Licht AG</li> <li>·O-Net Communications Group Ltd.</li> <li>·OPLINK Communication, LLC</li> <li>·Axsun</li> </ul>
	Optical amplifier modules	<ul style="list-style-type: none"> <li>·Casix, Inc. (Fabrinet)</li> <li>·Lumentum Operations LLC</li> <li>·Finisar Corporation</li> <li>·Accelink</li> </ul>
	Optical and crystal components and sub-assemblies for lasers and test instruments	<ul style="list-style-type: none"> <li>·O-Net Communications Group, Ltd.</li> <li>·Casix, Inc. (Fabrinet)</li> <li>·Castech</li> </ul>

		·REO
II-VI Performance Products	Infrared optics for military applications	·Laser Components ·DRS Technologies, Inc.
		·UTC Aerospace Systems (formerly Goodrich Corporation)
	TEMs	·In-house fabrication and thin-film coating capabilities of major military customers ·Komatsu, Ltd.
		·Laird plc
	MMCs and reaction bonded ceramics products	·Ferrotec Corporation ·Berliner Glas
		·CoorsTek, Inc.
	Single crystal SiC substrates	·Japan Fine Ceramics Co. Ltd. ·Cree, Inc.
		·Dow Corning Corporation
		·Nippon Steel & Sumitomo Metal
		·SiCrystal AG

In addition to competitors who manufacture products similar to those we produce, there are other technologies and products available that may compete with our technologies and products.

## Bookings and Backlog

We define our bookings as customer orders received that are expected to be converted to revenues over the next twelve months. For long-term customer orders, to address the inherent uncertainty of orders that extend far into the future, the Company records only those orders which are expected to be converted into revenues within twelve months from the end of the reporting period. Bookings are adjusted if changes in customer demands or production schedules move a delivery beyond twelve months. For the year ended June 30, 2016, our bookings were approximately \$875 million compared to bookings of approximately \$762 million for the year ended June 30, 2015.

We define our backlog as bookings that have not been converted to revenues by the end of the reporting period. As of June 30, 2016, our backlog was approximately \$290 million, compared to approximately \$242 million at June 30, 2015.

## Employees

As of June 30, 2016, we employed approximately 8,927 persons worldwide. Of these employees, approximately 892 were engaged in research, development and engineering, approximately 7,131 in direct production (of which approximately 858 are employees of Photop in China who work under contract manufacturing arrangements for customers of the Company) and the remaining balance of the Company's employees work in sales and marketing, administration, finance and support services. Our production staff includes highly skilled optical craftsmen. We have a long-standing practice of encouraging active employee participation in areas of operations management. We believe our relations with our employees are good. We reward our employees with incentive compensation based on achievement of performance goals. There are approximately 124 employees located in the United States and the Philippines who are covered under collective bargaining agreements. The Company's collective bargaining agreement in the Philippines expired in June 2016 and we are in the ordinary course of re-negotiating this agreement. The collective bargaining agreement covering certain U.S. based employees expires in January of 2021.

## Trade Secrets, Patents and Trademarks

We rely on a combination of trade secrets, proprietary know-how, invention disclosures, patents and contractual provisions to help us develop and maintain our competitive position with respect to our products and manufacturing processes. We aggressively pursue process and product patents in certain areas of our businesses. We have entered into selective intellectual property licensing agreements. When faced with potential infringement of our proprietary information, we have in the past and will continue to assert and vigorously protect our intellectual property rights. We have confidentiality and noncompetition agreements with certain personnel. We require that all U.S. employees sign a confidentiality and noncompetition agreement upon their commencement of employment with us.

The processes and specialized equipment utilized in crystal growth, infrared materials fabrication and infrared optical coatings as developed by us are complex and difficult to duplicate. However, there can be no assurance that others will not develop or patent similar technology or that all aspects of our proprietary technology will be protected. Others have obtained patents covering a variety of infrared optical configurations and processes, and others could obtain patents covering technology similar to our technology. We may be required to obtain licenses under such patents, and there can be no assurance that we would be able to obtain such licenses, if required, on commercially reasonable terms, or that claims regarding rights to technology will not be asserted which may adversely affect our results of operations. In addition, our research and development contracts with agencies of the U.S. Government present a risk that project-specific technology could be disclosed to competitors as contract reporting requirements are fulfilled.

## Availability of Information

Our Internet address is [www.ii-vi.com](http://www.ii-vi.com). Information contained on our website is not part of, and should not be construed as being incorporated by reference into, this Annual Report on Form 10-K. We post the following reports on our website as soon as reasonably practical after they are electronically filed with or furnished to the Securities and Exchange Commission (the “SEC”): our Annual Reports on Form 10-K, our Quarterly Reports on Form 10-Q, our Current Reports on Form 8-K, and any amendments to those reports or statements filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act. In addition, we post our proxy statements on Schedule 14A related to our annual shareholders’ meetings as well as reports filed by our directors, officers and ten-percent beneficial owners pursuant to Section 16 of the Exchange Act. In addition, all filings are available via the SEC’s website ([www.sec.gov](http://www.sec.gov)). We also make our corporate governance documents available on our website, including the Company’s Code of Business Conduct and Ethics, governance guidelines and the charters for various board committees. All such documents are located on the Investors page of our website and are available free of charge.



## Item 1A. RISK FACTORS

We caution our investors that our performance is subject to risks and uncertainties. The following material risk factors may cause our future results to differ materially from those projected in any forward-looking statement. You should carefully consider these factors, as well as the other information contained in this Annual Report on Form 10-K when evaluating an investment in our securities.

### Our Future Success Depends on Continued International Sales

Sales to customers in countries other than the U.S. accounted for approximately 63%, 63% and 65% of revenues during the years ended June 30, 2016, 2015 and 2014, respectively. We anticipate that international sales will continue to account for a significant portion of our revenues for the foreseeable future. If we do not realize such international sales or if our international sales decrease substantially, we could suffer a material adverse effect on our business, results of operations and/or financial condition.

### Our Competitive Position Depends on Our Ability to Develop New Products and Processes

To meet our strategic objectives, we must develop, manufacture and market new products and continue to update our existing products and processes to keep pace with market developments to address increasingly sophisticated customer requirements. Our success in developing and selling new and enhanced products and processes depends upon a variety of factors including strategic product selection, efficient completion of product design and development, timely implementation of manufacturing and assembly processes, effective sales and marketing, and successful product performance in the market.

The introduction by our competitors of products or processes using new developments better or faster than ours could render our efforts underway obsolete or unmarketable. We intend to continue to make significant investments in research and development to achieve our goals. There can be no assurance that we will be able to develop and introduce new products or enhancements to our existing products and processes in a manner which satisfies customer needs or achieves market acceptance. The failure to do so could have a material adverse effect on our ability to grow our business and maintain our competitive position.

### Investments in Future Markets of Potential Significant Growth May Not Result in Expected Returns

We previously announced an investment program with the goal of gaining a greater share of end markets using semiconductor lasers, especially those used for 3D sensing. We cannot guarantee that our investments in capital and capabilities will be sufficient. The potential market may not materialize on the timeline anticipated or at all. We cannot be sure of the end market price. Our technology could fail to fulfill, completely or at all, our target customers' finalized specifications. We cannot guarantee the end market customers' acceptance of our technology. Further, we may be unable to fulfill the terms of our contracts with our target customers, which could result in penalties of a material nature, including consequential damages, loss of market share and loss of reputation.

### We May Fail to Accurately Estimate Our Customers' Demand

We make significant decisions based on our estimates of customer requirements. We use our estimates to determine the levels of business we seek and accept, production schedules, personnel needs and other resource requirements.

Customers may require rapid increases in production on short notice. We may not be able to purchase sufficient supplies or allocate sufficient manufacturing capacity to meet such increases in demand. Rapid customer ramp up and significant increases in demand may strain our resources or negatively affect our margins. Inability to satisfy customer demand in a timely manner may harm our reputation, reduce our other opportunities, damage our

relationships with customers, reduce revenue growth, and/or incur contractual penalties.

Alternatively, downturns in the industries in which we compete may cause our customers to significantly reduce their demand. With respect to orders we initiate with our suppliers prior to a downturn to address our customer's demand, certain suppliers may have required non-cancelable purchase commitments or advance payments, from us, and those obligations and commitments could reduce our ability to adjust our inventory or expense levels to declining market demands. Unexpected decline in customer demands can result in excess or obsolete inventory and result in additional charges. Because certain of our sales, research and development and internal manufacturing overhead expenses are relatively fixed, a reduction in customer demand may decrease our gross margins and operating income.

#### Global Economic Downturns May Adversely Affect Our Business, Operating Results and Financial Condition

Current and future conditions in the global economy have an inherent degree of uncertainty. As a result, it is difficult to estimate the level of growth or contraction for the global economy as a whole. It is even more difficult to estimate growth or contraction in various parts, sectors and regions of the economy, including industrial, military, optical communications, telecommunications, semiconductor, and medical and life science markets in which we participate. All aspects of our company forecast depend on estimates of growth or

contraction in the markets we serve. Thus, prevailing global economic uncertainties render estimates of future income and expenditures very difficult to make.

Global economic downturns may affect industries in which our customers operate. These changes could include decreases in the rate of consumption or use of our customers' products. Such conditions could have a material adverse effect on demand for our customers' products, and in turn, on demand for our products.

Adverse changes may occur in the future as a result of declining or flat global or regional economic conditions, fluctuations in currency and commodity prices, wavering confidence, capital expenditure reductions, unemployment, decline in stock markets, contraction of credit availability or other factors affecting economic conditions. For example, factors that may affect our operating results include disruption in the credit and financial markets in the U.S., Europe and elsewhere, adverse effects of ongoing stagnation in the European economy, slowdown in the Chinese economy, reductions or limited growth in consumer spending or consumer credit, and other adverse economic conditions that may be specific to the Internet, e-commerce and payments industries.

These changes may negatively affect sales of products and increase exposure to losses from bad debt and commodity prices, the cost and availability of financing, and costs associated with manufacturing and distributing products. Any economic downturn could have a material adverse effect on our business, results of operations or financial condition.

#### Our Global Operations are Complex to Manage

We manufacture products in the United States, China, Singapore, Vietnam, the Philippines, Germany, and Switzerland, and through contract manufacturers in Thailand and China. We also maintain direct sales offices in Hong Kong, Japan, Germany, Switzerland, the U.K., Belgium, China, Singapore, Italy and South Korea. Our operations vary by location, are influenced by local customs, languages and work practices as well as different weather conditions, management styles, differences in education from country to country and the inability of management to always act in a timely manner. In addition, different issues may arise in different countries at the same time, further hampering the management's ability to respond. Inability to respond to issues in our global operations could have a material adverse effect on our business, results of operations or financial condition.

#### We Have Entered into Supply Agreements which Commit Us to Supply Products on Specified Terms

We have supply agreements with some customers which require us to supply products and to allocate sufficient capacity to make these products. We have also agreed to pricing schedules and methodologies which could result in penalties if we fail to meet development, supply and quality commitments. Failure to do so may cause us to be unable to generate the amount of revenue or the level of profitability we expect from these arrangements. Our ability to realize a profit under some of these agreements will be subject to the level of customer demand, the cost of maintaining facilities and manufacturing capacity, and supply chain capability.

If we fail to fulfill our commitments under these supply agreements our business, after using all remedies available, financial conditions and results of operations may suffer a material adverse effect.

#### We Depend on Highly Complex Manufacturing Processes That Require Products from Limited Sources of Supply

Our operations are dependent upon a supply chain of difficult-to-make or difficult-to-refine products and materials. Some of our product inflow is subject to yield from growth or fabrication operations, and thus the quantities we may receive are not consistently predictable. Customers may also change the specification for a product that our suppliers cannot meet.

We also make products for which the Company is one of the world's largest suppliers. We use high-quality, optical grade zinc selenide (ZnSe) in the production of many of our IR optical products. We are the leading producer of ZnSe for our internal use and for external sale. The production of ZnSe is a complex process requiring a highly controlled environment. A number of factors, including defective or contaminated materials, could adversely affect our ability to achieve acceptable manufacturing yields of high quality ZnSe. No proven external sources of ZnSe are currently available. Lack of adequate availability of high quality ZnSe could have a material adverse effect upon our business. There can be no assurance that we will not experience manufacturing yield inefficiencies which could have a material adverse effect on our business, results of operations or financial condition.

We produce Hydrogen Selenide gas which is used in our production of ZnSe. There are risks inherent in the production and handling of such material. Our lack of proper handling of Hydrogen Selenide could require us to curtail our production of Hydrogen Selenide. Hydrogen Selenide is available from only one outside source whose quantities and quality may be limited. The cost of purchasing such material is greater than the cost of internal production. As a result, the purchase of a substantial portion of such material from the outside source would increase our ZnSe production costs. Our potential inability to internally produce Hydrogen Selenide could have a material adverse effect on our business, results of operations or financial condition.

In addition, we produce and use other high purity and relatively uncommon materials and compounds to manufacture our products including, but not limited to, Zinc Sulfide (ZnS), Gallium Arsenide (GaAs), Yttrium Aluminum Garnet (YAG), Yttrium Lithium Fluoride (YLF), Calcium Fluoride (CaF<sub>2</sub>), Germanium (Ge), Selenium (Se), Telluride (Te), Bismuth Telluride (Bi<sub>2</sub>Te<sub>3</sub>) and Silicon

Carbide (SiC). A significant failure of our internal production processes or our suppliers to deliver sufficient quantities of these necessary materials on a timely basis could have a material adverse effect on our business, results of operations or financial condition.

#### Our Global Operations Are Subject to Complex Legal and Regulatory Requirements

We manufacture products in the United States, China, Singapore, Vietnam, the Philippines, Germany, and Switzerland, and through contract manufacturers in Thailand and China. We also maintain direct sales offices in Hong Kong, Japan, Germany, Switzerland, the U.K., Belgium, China, Singapore, Italy and South Korea. Operations outside of the U.S. are subject to many legal and regulatory requirements, some of which are not aligned with others. These include tariffs, quotas, taxes and other market barriers, restrictions on the export or import of technology, potentially limited intellectual property protection, customs import and export requirements, anti-corruption and anti-bribery laws, foreign exchange controls and cash repatriation restrictions, foreign investment rules and regulations, data privacy requirements, anti-competition laws, employment and labor laws, pensions and social insurance, and environmental health, and safety laws and regulations.

Compliance with these laws and regulations can be onerous and expensive, and requirements differ among jurisdictions. New laws, changes in existing laws and abrogation of local regulations by national laws result in significant uncertainties in how they will be interpreted and enforced. Failure to comply with any of these foreign laws and regulations could have a material adverse effect on our business, results of operations or financial condition.

#### We May Encounter Substantial Competition

We may encounter substantial competition from other companies in the same market, including established companies with significant resources. Some of our competitors may have financial, technical, marketing or other capabilities that are more extensive than ours. They may be able to respond more quickly than we can to new or emerging technologies and other competitive pressures. We may not be able to compete successfully against our present or future competitors. Our failure to effectively compete could have a material adverse effect on our business, results of operations or financial condition.

#### Our Competitive Position May Require Significant Investments in Strategic Acquisitions

We continuously monitor the marketplace for strategic opportunities, and our business strategy includes expanding our product lines and markets through both internal product development and acquisitions. Consequently, we expect to continue to consider strategic acquisition of businesses, products or technologies complementary to our business. This may require significant investments of management time and financial resources. If market demand is outside our organic capabilities, if a strategic acquisition is required and we cannot identify one or execute on it, and/or if the financial investments do not result in a significant return on investment or the ability to serve our credit facility covenants due to inability to integrate the business, retain staff, or work with the customers, we could suffer a material adverse effect on our business, results of operations or financial condition.

#### Declines in the Operating Performance of One of Our Business Segments Could Result in an Impairment of the Segment's Goodwill and Indefinite-Lived Intangible Assets

As of June 30, 2016, we had goodwill and indefinite-lived intangible assets of approximately \$233.8 million and \$14.1 million, respectively, on our Consolidated Balance Sheet. In accordance with applicable accounting guidance, we test our goodwill and indefinite-lived intangible assets for impairment on an annual basis or when an indication of possible impairment exists, to determine whether the carrying value of our assets is still supported by the fair value of the underlying business. To the extent that it is not, we are required to record an impairment charge to reduce the asset

to fair value. A decline in the operating performance of any of our business segments could result in an impairment charge which could have a material adverse effect on our results of operations or financial condition.

#### There Are Limitations on the Protection of Our Intellectual Property

We rely on a combination of trade secret, patent, copyright and trademark laws combined with employee confidentiality, noncompetition and nondisclosure agreements to protect our intellectual property rights. There can be no assurance that the steps taken by us will be adequate to prevent misappropriation of our technology or intellectual property. Furthermore, there can be no assurance that third-parties will not assert infringement claims against us in the future.

Asserting our intellectual property rights or defending against third-party claims could involve substantial expense. In the event a third-party were successful in a claim that one of our processes infringed its proprietary rights, we could be required to pay substantial damages or royalties, or spend substantial amounts in order to obtain a license or modify processes so that they no longer infringe such proprietary rights. Any such events could have a material adverse effect on our business, results of operations or financial condition.

### We Are Subject to Governmental Import and Export Regulations

We are subject to the passage of and changes in the interpretation of regulation by U.S. government entities at the federal, state and local levels and non-U.S. agencies, including, but not limited to, the following:

- We are required to comply with import laws and export control and economic sanctions laws, which may affect our transactions with certain customers, business partners and other persons, including dealings with or between our employees and subsidiaries. In certain circumstances, export control and economic sanctions regulations may prohibit the export of certain products, services and technologies. We may be required to obtain an export license before exporting a controlled item. Compliance with the import laws that apply to our businesses may restrict our access to, and may increase the cost of obtaining, certain products and could interrupt our supply of imported inventory.
  - Exported technologies necessary to develop and manufacture certain products are subject to U.S. export control laws and similar laws of other jurisdictions. We may be subject to adverse regulatory consequences, including government oversight of facilities and export transactions, monetary penalties and other sanctions for violations of these laws. In certain instances, these regulations may prohibit the Company from developing or manufacturing certain of its products for specific end applications outside the U.S.
- Failure to comply with any of these laws and regulations could result in civil and criminal, monetary and non-monetary penalties, disruptions to our business, limitations on our ability to import and export products and services and damage to our reputation.

### We Have Agreements with Government Entities

Our agreements relating to the sale of products to government entities may be subject to termination, reduction or modification in the event of changes in government requirements, reductions in federal spending and other factors. We are also subject to investigation and audit for compliance with the requirements of government contracts, including procurement integrity, export control, employment practices, the accuracy of records and the recording of costs. Failure to comply with these requirements might result in suspension of these contracts and suspension or debarment from government contracting or subcontracting.

### We Use and Generate Hazardous Substances that Are Subject to Stringent Environmental Regulations

Hazardous substances used or generated in our research and manufacturing facilities are subject to stringent environmental regulation. We believe that our handling of such substances is in material compliance with applicable local, state and federal environmental, safety and health regulations at each operating location. We invest substantially in proper protective equipment, process controls and specialized training to minimize risks to employees, surrounding communities and the environment that could result from the presence and handling of such hazardous substances. We regularly conduct employee physical examinations and workplace monitoring regarding such substances. When exposure problems or potential exposure problems have been uncovered, corrective actions have been implemented and re-occurrence has been minimal or non-existent.

We have in place an emergency response plan with respect to our generation and use of the hazardous substance Hydrogen Selenide. Special attention has been given to all procedures pertaining to this gaseous material to minimize the chances of its accidental release into the atmosphere.

With respect to the manufacturing, use, storage and disposal of the low-level radioactive material Thorium Fluoride, our facilities and procedures have been inspected and licensed by the Nuclear Regulatory Commission. Thorium-bearing by-products are collected and shipped as solid waste to a government-approved low-level radioactive waste disposal site in Clive, Utah.

The generation, use, collection, storage and disposal of all other hazardous by-products, such as suspended solids containing heavy metals or airborne particulates, are believed by us to be in material compliance with regulations. We believe that we have obtained all of the permits and licenses required for operation of our business.

We do not carry environmental impairment insurance. And, although we do not know of any material environmental, safety or health problems in our properties or processes, there can be no assurance that problems will not develop in the future which could have a material adverse effect on our business, results of operations or financial condition.

#### We May Be Adversely Affected by Climate Change Regulations

In many of the countries in which we operate, government bodies are increasingly enacting legislation and regulations in response to potential impacts of climate change. These laws and regulations may be mandatory. They have the potential to impact our operations directly or indirectly as a result of required compliance by our customers or our supply chain. Inconsistency of regulations may also affect the costs of compliance with such laws and regulations. Assessments of the potential impact of future climate change legislation, regulation and international treaties and accords are uncertain, given the wide scope of potential regulatory change in countries in which we operate.



We may incur increased capital expenditures resulting from required compliance with revised or new legislation or regulations, added costs to purchase or lower profits from sales of our products, allowances or credits under a “cap and trade” system, increased insurance premiums and deductibles as new actuarial tables are developed to reshape coverage, a change in competitive position relative to industry peers, and changes to profit or loss arising from increased or decreased demand for goods produced by us and indirectly, from changes in costs of goods sold.

#### Data Breach Incidents and Breakdown of Information and Communication Technologies Could Disrupt our Operations and Impact Our Financial Results

In the course of our business, we collect and store sensitive data, including intellectual property both proprietary and of our customers, as well as proprietary business information. We could be subject to service outages or breaches of security systems which may result in disruption, unauthorized access, misappropriation, or corruption of this information. Security breaches of our network or data including physical or electronic break-ins, vendor service outages, computer viruses, attacks by hackers or similar breaches can create system disruptions, shutdowns, or unauthorized disclosure of confidential information. Although we have not experienced an incident, if we are unable to prevent such security or privacy breaches, our operations would be disrupted or we could suffer legal claims, loss of reputation, financial loss, property damage, or regulatory penalties because of lost or misappropriated information.

#### Some Systems That Use our Products Are Complex in Design and May Contain Defects that Are Not Detected Until Deployed Which Could Increase Our Costs and Reduce Our Revenues

Some systems that use our products are inherently complex in design and require ongoing maintenance. Our customers may discover defects in our products after the products have been fully deployed and operated under peak stress conditions. In addition, some of our products are combined with products from other vendors which may contain defects. Should problems occur, it may be difficult to identify the source of the problem. If we are unable to correct defects or other problems, we could experience, among other things loss of customers, increased costs of product returns and warranty expenses, damage to our brand reputation, failure to attract new customers or achieve market acceptance, diversion of development and engineering resources, or legal action by our customers.

The occurrence of any one or more of the foregoing factors could have a material adverse effect on our business, results of operations or financial condition.

#### Significant Defense Spending Cuts and/or Reductions in Defense Programs Could Adversely Impact Our Business

Specific to the military business within our II-VI Laser Solutions and II-VI Performance Products segments, sales to customers in the defense industry totaled approximately 12% of revenues for the fiscal year ended June 30, 2016. These customers generally contract with a governmental entity, typically a U.S. governmental agency. Future reductions in defense spending could result from the current or future economic or political environment. For example, the ongoing sequestration of the defense budget could result in reductions in demand for defense-related products that we produce. Further, changes to existing defense procurement laws and regulations could adversely affect our results of operations. Most governmental programs are subject to funding approval and can be modified or terminated with no warning upon the determination of a legislative or administrative body. The loss of or failure to obtain certain contracts or the loss of a major government customer could have a material adverse effect on our business, results of operations or financial condition.

#### Changes in Tax Rates, Tax Liabilities or Tax Accounting Rules Could Affect Future Results

As a global company, we are subject to taxation in the U.S. and various other countries and jurisdictions. As such, we must exercise a level of judgment in determining our worldwide tax liabilities. Our future tax rates could be affected

by changes in the composition of earnings in countries with differing tax rates or changes in tax laws. Changes in tax laws or tax rulings may have a significantly adverse impact on our effective tax rate. For example, proposals for fundamental U.S. international tax reform, if enacted, could have a significant adverse impact on our effective tax rate. In addition, we are subject to regular examination of our income tax returns by the Internal Revenue Service and other tax authorities. We regularly assess the likelihood of favorable or unfavorable outcomes resulting from these examinations to determine the adequacy of our provision for income taxes. Although we believe our tax estimates are reasonable, there can be no assurance that any final determination will not be materially different than the treatment reflected in our historical income tax provision and accruals, which could materially and adversely affect our business, results of operation or financial condition.

#### Our Success Depends on Our Ability to Retain Key Personnel

We are highly dependent upon the experience and continuing services of certain scientists, engineers, production and management personnel. Competition for the services of these personnel is intense. There can be no assurance that we will be able to retain or

attract the personnel necessary for our success. The loss of the services of our key personnel could have a material adverse effect on our business, results of operations or financial condition.

#### Natural Disasters or Other Global or Regional Catastrophic Events Could Disrupt Our Operations and Adversely Affect Our Results

We may be exposed to business interruptions due to catastrophe, natural disaster, pandemic, terrorism or acts of war that are beyond our control. Disruptions to our facilities or systems, or to those of our key suppliers, could also interrupt operational processes and adversely impact our ability to manufacture our products and provide services and support to our customers. As a result, our business, results of operations or financial condition could be materially adversely affected.

#### A Significant Portion of Our Business is Dependent on Cyclical Industries

Our business is significantly dependent on the demand for products produced by end-users of industrial lasers and optical communication products. Many of these end-users are in industries that have historically experienced a highly cyclical demand for their products. As a result, demand for our products is subject to these cyclical fluctuations. Fluctuations in demand could have a material adverse effect on our business, results of operations or financial condition.

#### Increases in Commodity Prices May Adversely Affect Our Results of Operations and Financial Condition

We are exposed to a variety of market risks, including the effects of increases in commodity prices. Our businesses purchase, produce and sell high purity selenium and other raw materials based upon quoted market prices from minor metal exchanges. The negative impact from increases in commodity prices may not be recovered through our product sales which could have a material adverse effect on our net earnings and financial condition.

#### Regulations Related to Conflict Minerals Could Adversely Impact Our Business

The Dodd-Frank Wall Street Reform and Consumer Protection Act contain provisions to improve transparency and accountability concerning the supply of gold, columbite-tantalite (coltan), cassiterite and wolframite, including their derivatives, which are limited to tantalum, tin and tungsten, known as "conflict minerals," originating from the Democratic Republic of Congo (DRC) and adjoining countries (collectively known as the "covered countries"). Pursuant to these rules, the SEC has adopted certain annual disclosure and reporting requirements for those companies that use conflict minerals in their products, regardless of whether such minerals were mined from the covered countries, compliance with which began in 2014. We could incur significant costs associated with complying with these disclosure requirements, including costs related to our due diligence efforts to determine the sources of any conflict minerals used in our products. These rules could adversely affect the sourcing, supply and pricing of materials we use in our products, particularly if there are only a limited number of suppliers offering conflict minerals that are from recycled or scrap sources, cannot be traced to a country of origin other than the covered countries, or cannot be traced to a source within the covered countries that does not finance or benefit armed groups in those countries. We cannot be sure that we will be able to obtain products from such suppliers in sufficient quantities or at competitive prices. Also, we may face reputational challenges if we determine that certain of our products contain conflict minerals originating from the covered countries and we cannot definitively determine whether the conflict minerals financed or otherwise benefited armed groups, or if we are unable to sufficiently verify the origins of all of the conflict minerals used in our products through the due diligence procedures we implement.

#### The Market Price of Our Common Stock Can Be Highly Volatile

Factors that could cause fluctuation in our stock price include, among other things, general economic and market conditions, actual or anticipated variations in operating results, changes in financial estimates by securities analysts, our inability to meet or exceed securities analysts' estimates or expectations, conditions or trends in the industries in which our products are purchased, announcements by us or our competitors of significant acquisitions, strategic partnerships, divestitures, joint ventures or other strategic initiatives, capital commitments, additions or departures of key personnel and sales of our Common Stock.

Many of these factors are beyond our control. However, these factors could cause the market price of our Common Stock to decline, regardless of our actual operating performance.

**Provisions in Our Articles of Incorporation and By-Laws May Limit the Price that Investors May be Willing to Pay in the Future for Shares of Our Common Stock**

Our Articles of Incorporation and By-Laws contain provisions that could make us a less attractive target for a hostile takeover and could make more difficult or discourage a merger proposal, a tender offer or a proxy contest. Such provisions include:

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- A requirement that shareholder-nominated director nominees be nominated in advance of the meeting at which directors are elected and that specific information be provided in connection with such nomination;
- The ability of the board of directors to issue additional shares of Common Stock or preferred stock without shareholder approval; and
- Certain provisions requiring supermajority approval (at least two-thirds of the votes cast by all shareholders entitled to vote thereon, voting together as a single class).

In addition, the Pennsylvania Business Corporation Law contains provisions that may have the effect of delaying or preventing a change in control of the Company. All of these provisions may limit the price that investors may be willing to pay for shares of our Common Stock.

**Because We Do Not Currently Intend to Pay Dividends, Shareholders Will Benefit From an Investment in our Common Stock Only if it Appreciates in Value**

We have never declared or paid any dividends on our Common Stock, and do not expect to pay cash dividends in the foreseeable future. We currently anticipate that we will retain any future earnings to support operations and to finance the development of our business. As a result, the success of an investment in our Common Stock will depend entirely upon future appreciation in its value. There is no guarantee that our Common Stock will maintain its value or appreciate in value.

**Item 1B. UNRESOLVED STAFF COMMENTS**

None.

## Item 2. PROPERTIES

Information regarding our principal U.S. properties at June 30, 2016 is set forth below:

Location	Primary Use(s)	Primary Business Segment(s)	Square Footage	Ownership
Saxonburg, PA	Manufacturing, Corporate Headquarters and Research and Development	II-VI Laser Solutions and II-VI Performance Products	252,000	Owned and Leased
Warren, NJ	Manufacturing and Research and Development	II-VI Laser Solutions	151,000	Leased
Newark, DE	Manufacturing and Research and Development	II-VI Performance Products	90,000	Leased
Temecula, CA	Manufacturing and Research and Development	II-VI Performance Products	87,000	Leased
New Port Richey and Port Richey, FL	Manufacturing and Research and Development	II-VI Photonics and II-VI Performance Products	67,000	Owned
Dallas, TX	Manufacturing and Research and Development	II-VI Performance Products	67,000	Owned and Leased
Monroe, CT	Manufacturing and Research and Development	II-VI Performance Products	48,000	Leased
Pine Brook, NJ	Manufacturing and Research and Development	II-VI Performance Products	36,000	Leased
Santa Rosa, CA	Manufacturing and Research and Development	II-VI Photonics	33,000	Leased
Tustin, CA	Manufacturing and Research and Development	II-VI Performance Products	31,000	Leased
Philadelphia, PA	Manufacturing and Research and Development	II-VI Performance Products	30,000	Leased
Champaign, IL	Manufacturing and Research and Development	II-VI Laser Solutions	25,000	Leased
Woburn, MA	Manufacturing and Research and Development	II-VI Photonics	20,000	Leased
Newtown, CT	Manufacturing and Research and Development	II-VI Performance Products	13,000	Leased
Tyngsboro, MA	Research and Development	II-VI Laser Solutions	10,000	Leased
Starkville, MS	Manufacturing	II-VI Performance Products	10,000	Leased
Horseheads, NY	Research and Development	II-VI Photonics	9,000	Leased
Flemington, NJ	Manufacturing and Research and Development	II-VI Photonics	5,000	Leased
San Jose, CA	Research and Development	II-VI Photonics	5,000	Leased
Sunnyvale, CA	Distribution	II-VI Photonics	2,300	Leased



Information regarding our principal foreign properties at June 30, 2016 is set forth below:

Location	Primary Use(s)	Primary Business Segment(s)	Square Footage	Ownership
China	Manufacturing, Research and Development, and Distribution	II-VI Laser Solutions, II-VI Photonics and II-VI Performance Products	1,137,000	Leased
Philippines	Manufacturing	II-VI Laser Solutions and II-VI Performance Products	314,000	Leased
Vietnam	Manufacturing	II-VI Photonics and II-VI Performance Products	207,000	Leased
Switzerland	Manufacturing, Research and Development, and Distribution	II-VI Laser Solutions	134,000	Leased
Germany	Manufacturing and Distribution	II-VI Laser Solutions, II-VI Photonics and II-VI Performance Products	78,000	Owned and Leased
Singapore	Manufacturing	II-VI Laser Solutions	35,000	Leased
Japan	Distribution	II-VI Laser Solutions, II-VI Photonics and II-VI Performance Products	5,000	Leased
Taiwan	Distribution	II-VI Laser Solutions	4,000	Leased
Belgium	Distribution	II-VI Laser Solutions	3,000	Leased
Italy	Distribution	II-VI Laser Solutions and II-VI Photonics	2,000	Leased
South Korea	Distribution	II-VI Laser Solutions	2,000	Leased
United Kingdom	Distribution	II-VI Laser Solutions and II-VI Photonics	1,500	Leased

The square footage listed for each of the above properties represents facility square footage, except in the case of the Philippines location, which includes land.

### Item 3. LEGAL PROCEEDINGS

The Company and its subsidiaries are involved in various claims and lawsuits incidental to its business. The resolution of each of these matters is subject to various uncertainties, and it is possible that these matters may be resolved unfavorably to the Company. Management believes, after consulting with legal counsel, that the ultimate liabilities, if any, resulting from such legal proceedings will not materially affect the Company's financial condition, liquidity or results of operation.

### Item 4. MINE SAFETY DISCLOSURES

Not applicable.

### EXECUTIVE OFFICERS OF THE REGISTRANT



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The executive officers of the Company and their respective ages and positions as of June 30, 2016 are set forth below. Each executive officer listed has been appointed by the Board of Directors to serve until removed or until such person's successor is appointed and qualified.

Name	Age	Position
Francis J. Kramer	67	Chairman, Chief Executive Officer and Director
Vincent D. Mattera, Jr.	60	President and Director
Mary Jane Raymond	56	Chief Financial Officer and Treasurer
Gary A. Kapusta	56	Chief Operating Officer
Giovanni Barbarossa	56	President II-VI Laser Solutions and Chief Technology Officer
David G. Wagner	53	Vice President, Human Resources
Walter R. Bashaw II	51	Interim General Counsel and Secretary

Francis J. Kramer joined II-VI in 1983, served as its President from 1985 to 2014, its Chief Executive Officer since 2007, and its Chairman and CEO from 2014 to 2016. Mr. Kramer will retire as the Company's Chief Executive Officer effective September 1, 2016 and will serve as the Company's Chairman of the Board of Directors. Mr. Kramer holds a B.S. degree in Industrial Engineering from the University of Pittsburgh and an M.S. degree in Industrial Administration from Purdue University. Mr. Kramer has served as director of Barnes Group Inc., a publicly traded aerospace and industrial manufacturing company (NYSE: B), since 2012. Mr. Kramer provides our Board and the Company with guidance on our growth strategy, in particular on the profitable and sustainable execution of the strategy to achieve sustainable competitive advantage. He contributes considerable business development experience, having completed 20 acquisitions in 20 years adding nearly \$700 million of revenue and significant operations experience, relevant to our vertical integration strategy and globalization.

Vincent D. Mattera, Jr. joined II-VI in 2004, and was recently named the Company's Chief Executive Officer effective September 1, 2016. Dr. Mattera has been serving in the role of President since 2014 and Chief Operating Officer since 2013. Prior to that time, he served in several executive capacities. Dr. Mattera joined II-VI following a 20 year career at Agere Systems, Lucent Technologies, and AT&T Bell Laboratories. Dr. Mattera previously served as a non-employee director of the Company from 2000 through 2002. Dr. Mattera holds B.S. and Ph.D. degrees in Chemistry from the University of Rhode Island and Brown University, respectively.

Mary Jane Raymond has been Chief Financial Officer and Treasurer of the Company since March 2014. Previously, Ms. Raymond was Executive Vice President and Chief Financial Officer of Hudson Global, Inc. (NASDAQ: HSON) from 2005 to 2013. Ms. Raymond was the Chief Risk Officer and Vice President and Corporate Controller at Dun and Bradstreet, Inc. from 2002 to 2005. Additionally, she was the Vice President, Merger Integration at Lucent Technologies, Inc. from 1997 to 2002 and held several management positions at Cummins Engine Company from 1988 to 1997. Ms. Raymond holds a B.A. degree in Public Management from St. Joseph's University, and an MBA from Stanford University.

Gary A. Kapusta joined II-VI in February 2016 serving as Chief Operating Officer. Prior to his employment with the Company, Mr. Kapusta served in various roles at Coca-Cola, including as President & Chief Executive Officer, Coca-Cola Bottlers' Sales & Services L.L.C., President, Customer Business Solutions and Vice President, Procurement Transformation, Coca-Cola Refreshments. He joined Coca-Cola following a 19 year career at Agere Systems, Lucent Technologies, and AT&T. Mr. Kapusta graduated from University of Pittsburgh with B.S. and M.S. degrees in Industrial Engineering and an M.B.A from Lehigh University.

Giovanni Barbarossa joined II-VI in 2012 and has been the President, Laser Solutions Segment since 2014 and the Chief Technology Officer since 2012. Dr. Barbarossa was employed at Avanex Corporation from 2000 through 2009, serving in various executive positions in product development and general management, ultimately serving as President and Chief Executive Officer. When Avanex merged with Bookham Technology, forming Oclaro, Dr. Barbarossa became a member of the Board of Directors of Oclaro and served as such from 2009 to 2011. Previously, he had management responsibilities at British Telecom, AT&T Bell Labs, Lucent Technologies, and Hewlett-Packard. Dr. Barbarossa graduated from the University of Bari, Italy with a B.S. in Electrical Engineering and a Ph.D. in Photonics from the University of Glasgow, U.K.

David G. Wagner has been employed by the Company since 2008 and has been the Vice President, Human Resources since 2011. Prior to his employment with the Company, Mr. Wagner was employed with Owens Corning (NYSE: OC) from 1985-2008, serving in various human resource management positions, ultimately becoming the Vice President,

Human Resources for Owens Corning's global sales forces. Mr. Wagner graduated with a B.S. degree in Human Resources Management from Juniata College in 1985.

Walter R. Bashaw II has been engaged by the Company since December 2015 to act as its Interim General Counsel. Mr. Bashaw is also a Managing Shareholder and Director of the law firm of Sherrard, German & Kelly, P.C. in Pittsburgh, Pennsylvania, where he has practiced law since 1993. His role as Interim General Counsel to the Company is pursuant to a secondment arrangement between the Company and the Sherrard, German & Kelly, P.C. law firm. Mr. Bashaw graduated from Pennsylvania State University with a B.S. degree in Logistics and a J.D. from the University of Pittsburgh College of Law.

## PART II

## Item 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

The Company's Common Stock is traded on the NASDAQ Global Select Market ("NASDAQ") under the symbol "IIVI." The following table sets forth the range of high and low trading prices per share of the Company's Common Stock for the fiscal periods indicated, as reported by NASDAQ.

	High	Low
Fiscal 2016		
First Quarter	\$ 19.30	\$ 15.04
Second Quarter	\$ 19.46	\$ 15.69
Third Quarter	\$ 22.18	\$ 16.09
Fourth Quarter	\$ 23.39	\$ 17.91

	High	Low
Fiscal 2015		
First Quarter	\$ 14.75	\$ 11.60
Second Quarter	\$ 14.45	\$ 10.78
Third Quarter	\$ 18.70	\$ 12.55
Fourth Quarter	\$ 19.64	\$ 17.20

On August 19, 2016, the last reported sale price for the Company's Common Stock was \$21.67 per share. As of such date, there were approximately 1,236 holders of record of our Common Stock. The Company historically has not paid cash dividends and does not presently anticipate paying cash dividends in the future.

## ISSUER PURCHASES OF EQUITY SECURITIES

In August 2014, the Board of Directors authorized the Company to purchase up to \$50.0 million of its Common Stock. The repurchase program calls for shares to be purchased in the open market or in private transactions from time to time. Shares purchased by the Company are retained as treasury stock and available for general corporate purposes. During the fiscal year ended June 30, 2016 the Company purchased 380,538 shares of its Common Stock pursuant to the repurchase program for approximately \$6.3 million. Since inception of the Plan, the Company has repurchased 1,316,587 shares of its Common Stock for approximately \$19.0 million.

The following table provides information with respect to purchases of the Company's equity securities during the quarter ended June 30, 2016.

Total	Dollar
Number of	Value of
Shares	Shares That
Purchased	May
as Part of	Yet be
Publicly	Purchased

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Period	Total Number of Shares Purchased	Average Price Paid Per Share	Announced Plans or Programs (a)	Under the Plan or Program
April 1, 2016 to April 30, 2016	-	\$ -	-	\$30,906,904
May 1, 2016 to May 31, 2016	1,189	(1)\$ 19.20	-	\$30,906,904
June 1, 2016 to June 30, 2016	-	\$ -	-	\$30,906,904

(1) Includes 1,189 shares of our Common Stock transferred to the Company from employees in satisfaction of minimum tax withholding obligations associated with the vesting of restricted share awards.

The information incorporated by reference in Item 12 of this Annual Report on Form 10-K from our 2016 Proxy Statement under the heading “Equity Compensation Plan Information” is hereby also incorporated by reference into this Item 5.

PERFORMANCE GRAPH

The following graph compares cumulative total shareholder return on the Company's Common Stock with the cumulative total shareholder return of the Nasdaq Composite Index and with a peer group of companies constructed by the Company for the period from June 30, 2011, through June 30, 2016. The Company's peer group includes Cabot Microelectronics Corporation, Franklin Electric Co., Inc., MKS Instruments, Inc., Rofin-Sinar Technologies, Inc. and Silicon Laboratories.

## Item 6. SELECTED FINANCIAL DATA

## Five-Year Financial Summary

The following selected financial data for the five fiscal years presented are derived from the Company's audited Consolidated Financial Statements as adjusted to reflect the II-VI Performance Metals tellurium product line as a discontinued operation. All periods presented have been adjusted to present this product line on a discontinued operations basis. The data should be read in conjunction with the Consolidated Financial Statements and the related notes thereto included elsewhere in this Annual Report on Form 10-K.

Year Ended June 30, (\$000 except per share data)	2016	2015	2014	2013	2012
<b>Statement of Earnings</b>					
Net revenues from continuing operations	\$ 827,216	\$ 741,961	\$ 683,261	\$ 551,075	\$ 516,403
Earnings from continuing operations	65,486	65,975	38,316	58,720	70,718
Earnings (loss) from discontinued operations	-	-	133	(6,789 )	(9,443 )
Net earnings attributable to redeemable noncontrolling interest	-	-	-	1,118	969
Net earnings attributable to II-VI Incorporated	65,486	65,975	38,449	50,813	60,306
<b>Basic earnings (loss) per shares:</b>					
Continuing operations	1.07	1.08	0.62	0.92	1.10
Discontinued operation	-	-	-	(0.11 )	(0.15 )
Consolidated	1.07	1.08	0.62	0.81	0.96
<b>Diluted earnings (loss) per shares:</b>					
Continuing operations	1.04	1.05	0.60	0.90	1.08
Discontinued operation	-	-	-	(0.11 )	(0.15 )
Consolidated	1.04	1.05	0.60	0.80	0.94
Diluted weighted average shares outstanding	62,909	62,586	63,686	63,884	64,385

Year Ended June 30, 2016 (\$000)	2015	2014	2013	2012
<b>Balance Sheet</b>				
Working capital	\$ 411,721	\$ 373,812	\$ 370,666	\$ 366,710
Total assets	1,212,591	1,058,164	1,071,926	863,802
Long-term debt	215,917	155,957	221,960	114,036
Total debt	235,917	175,957	241,960	114,036
Retained earnings	652,788	587,302	521,327	482,878
Shareholders' equity	782,338	729,081	675,043	636,108

## Item 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

## Forward-Looking Statements

Certain statements contained in this Management's Discussion and Analysis of Financial Condition and Results of Operations are forward-looking statements. Forward-looking statements are also identified by words such as "expects," "anticipates," "believes," "intends," "plans," "projects" or similar expressions. Actual results could differ materially from those anticipated in these forward-looking statements for many reasons, including those potential risks set forth in Item 1A, of this Annual Report on Form 10-K, which are incorporated herein by reference.

#### Overview

The Company generates revenues, earnings and cash flows from developing, manufacturing and marketing engineered materials and optoelectronic components and devices for precision use in industrial, optical communications, military, semiconductor, medical and life science, and consumer applications. We also generate revenue, earnings and cash flows from government funded research and development contracts relating to the development and manufacture of new technologies, materials and products.

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Our customer base includes OEMs, laser end-users, system integrators of high-power lasers, manufacturers of equipment and devices for the industrial, optical communications, military, semiconductor, medical and life science markets, consumer, U.S. government prime contractors, various U.S. Government agencies and thermoelectric integrators.

#### Critical Accounting Estimates

The preparation of financial statements and related disclosures in conformity with accounting principles generally accepted in the United States of America (“U.S. GAAP”) and the Company’s discussion and analysis of its financial condition and results of operations requires the Company’s management to make judgments, assumptions and estimates that affect the amounts reported in its Consolidated Financial Statements and accompanying notes. Note 1 of the Notes to our Consolidated Financial Statements contained in Item 8 of this Annual Report on Form 10-K describes the significant accounting policies and accounting methods used in the preparation of the Company’s Consolidated Financial Statements. Management bases its estimates on historical experience and on various other assumptions that it believes to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities. Actual results may differ from these estimates.

Management believes the Company’s critical accounting estimates are those related to revenue recognition, allowance for doubtful accounts, warranty reserves, inventory valuation, business combinations, valuation of long-lived assets including acquired intangibles and goodwill, accrual of bonus and profit sharing estimates, accrual of income tax liability estimates and accounting for share-based compensation. Management believes these estimates to be critical because they are both important to the portrayal of the Company’s financial condition and results of operations, and they require management to make judgments and estimates about matters that are inherently uncertain.

Management has discussed the development and selection of these critical accounting estimates with the Audit Committee of the Board of Directors and the Audit Committee has reviewed the related disclosure. In addition, there are other items within our financial statements that require estimation, but are not deemed critical as described above. Changes in estimates used in these and other items could have a material impact on the financial statements.

Revenues for product shipments are realizable when we have persuasive evidence of a sales arrangement, the product has been shipped or delivered, the sales price is fixed or determinable and collectability is reasonably assured. Title and risk of loss passes from the Company to its customer at the time of shipment in most cases, with the exception of certain customers for whom customer’s title does not pass and revenue is not recognized until the customer has received the product at its physical location.

The Company’s revenue recognition policy is consistently applied across the Company’s segments, product lines and geographical locations. Further for the periods covered herein, we did not have post shipment obligations such as training or installation, customer acceptance provisions, credits and discounts, rebates and price protection or other similar privileges. Our distributors and agents are not granted price protection. Our distributors and agents, who comprise less than 10% of consolidated revenue, have no additional product return rights beyond the right to return defective products covered by our warranty policy. We believe our revenue recognition practices are consistent with Staff Accounting Bulletin (“SAB”) 104 and that we have adequately considered the requirements of Accounting Standards Codification (“ASC”) 605 Revenue Recognition. Revenues generated from transactions other than product shipments are contract-related and have historically accounted for less than 2% of the Company’s consolidated revenues.

The Company establishes an allowance for doubtful accounts based on historical experience and believes the collection of revenues, net of this reserve, is reasonably assured. The allowance for doubtful accounts is an estimate for potential non-collection of accounts receivable based on historical experience. The Company did not experience a

non-collection of accounts receivable materially affecting its financial condition or results of operations as of and for each of the fiscal years ended June 30, 2016, 2015 and 2014. If the financial condition of the Company's customers were to deteriorate, causing an impairment of their ability to make payments, additional provisions for bad debts could be required in future periods. The Company's allowance for doubtful accounts reserve estimates have historically been proven to be materially correct based upon actual charges incurred.

The Company records a warranty reserve as a charge against earnings based on a historical percentage of revenues utilizing actual returns over a period that approximates historical warranty experience. If actual returns in the future are not consistent with the historical data used to calculate these estimates, additional warranty reserves could be required. The Company's warranty reserve estimates have historically been proven to be materially correct based upon actual charges incurred.

The Company records an inventory reserve as a charge against earnings for all products on hand for more than twelve to twenty-four months, depending on the products that have not been sold to customers or cannot be further manufactured for sale to alternative customers. An additional reserve is recorded for products on hand that are in excess of product sold to customers over the same periods noted above. If actual market conditions are less favorable than projected, additional inventory reserves may be required. The Company's inventory reserve estimates have historically been proven to be materially correct based upon actual write-offs incurred.

The Company accounts for business acquisitions by establishing the acquisition-date fair value as the measurement for all assets acquired and liabilities assumed. Certain provisions of U.S. GAAP prescribe, among other things, the determination of acquisition-date fair value of consideration paid in a business combination (including contingent consideration) and the exclusion of transaction and acquisition-related restructuring costs from acquisition accounting.

The Company tests goodwill and indefinite-lived intangible assets on an annual basis for impairment or when events or changes in circumstances indicate that goodwill or indefinite-lived intangible assets might be impaired. Other intangible assets are amortized over their estimated useful lives. The determination of the estimated useful lives of other intangible assets and whether goodwill or indefinite-lived intangibles are impaired requires us to make judgments based upon long-term projections of future performance. Estimates of fair value are based on our projection of revenues, operating costs and cash flows of each reporting unit considering historical and anticipated results and general economic and market conditions. The fair values of the reporting units are determined using a discounted cash flow analysis based on historical and projected financial information as well as market analysis. The annual goodwill impairment analysis considers the financial projections of the reporting unit based on our most recently completed long-term strategic planning processes and also considers the current financial performance compared to our prior projections of the reporting unit. Changes in our internal structuring, financial performance, judgments and projections could result in an impairment of goodwill or indefinite-lived intangible assets.

The Company has the option to perform a qualitative assessment of goodwill prior to completing the two-step process described above to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount, including goodwill and other intangible assets. If the Company concludes that this is the case, it must perform the two-step process. Otherwise, the Company will forego the two-step process and does not need to perform any further testing.

As a result of the purchase price allocations from our acquisitions, and due to our decentralized structure, our goodwill is included in multiple reporting units which are the same as the Company's operating segments. Due to the cyclical nature of our business, and the other factors described in the section on Risk Factors set forth in Item 1A, of this Annual Report on Form 10-K, the profitability of our individual reporting units may periodically suffer from downturns in customer demand, operational challenges and other factors. These factors may have a relatively more pronounced impact on the individual reporting units as compared to the Company as a whole, and might adversely affect the fair value of the individual reporting units. If material adverse conditions occur that impact one or more of our reporting units, our determination of future fair value may not support the carrying amount of one or more of our reporting units, and the related goodwill would need to be impaired.

Based upon our annual quantitative goodwill and indefinite-lived intangible assets impairment tests, the Company did not record any impairments of goodwill or indefinite-lived intangible assets for the fiscal year ended June 30, 2016.

The Company records certain bonus and profit sharing estimates as a charge against earnings. These estimates are adjusted to actual based on final results of operations achieved during the fiscal year. Certain partial bonus amounts are paid quarterly based on interim company performance, and the remainder is paid after the fiscal year end. Other bonuses are paid annually.

The Company prepares and files tax returns based on its interpretation of tax laws and regulations and records estimates based on these judgments and interpretations. In the normal course of business, the Company's tax returns are subject to examination by various taxing authorities, which may result in future tax, interest and penalty assessments by these authorities. Inherent uncertainties exist in estimates of many tax positions due to changes in tax law resulting from legislation, regulation and/or as concluded through the various jurisdictions' tax court systems. The Company recognizes the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based on the technical merits of the position. The

tax benefits recognized in the financial statements from such a position are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate resolution. The amount of unrecognized tax benefits is adjusted for changes in facts and circumstances. For example, adjustments could result from significant amendments to existing tax law and the issuance of regulations or interpretations by the taxing authorities, new information obtained during a tax examination, or resolution of an examination. The Company believes that its estimates for uncertain tax positions are appropriate and sufficient to pay assessments that may result from examinations of its tax returns. The Company recognizes both accrued interest and penalties related to unrecognized tax benefits in income tax expense.

The Company has recorded valuation allowances against certain of its deferred tax assets, primarily those that have been generated from net operating losses in certain foreign taxing jurisdictions and acquired U.S. carryforwards. The Company adopted an accounting policy to apply acquired deferred tax liabilities to pre-existing deferred tax assets before evaluating the need for a valuation allowance for acquired deferred tax assets. During fiscal year 2016, the Company recorded a \$36.2 million valuation allowance as part of its purchase accounting. In evaluating whether the Company would more likely than not recover these deferred tax assets, it has not assumed any future taxable income or tax planning strategies in the jurisdictions associated with these carry-forwards where history does not support such an assumption. Implementation of tax planning strategies to recover these deferred tax assets or future income

generation in these jurisdictions could lead to the reversal of these valuation allowances and a reduction of income tax expense. During fiscal year 2016, \$8.5 million of a valuation allowance impacted income tax expense.

The Company recognizes share-based compensation expense over the requisite service period of the individual grantees, which generally equals the vesting period. The Company utilized the Black-Scholes valuation model for estimating the fair value of share-based equity expense using assumptions such as the risk-free interest rate, expected stock price volatility, expected stock option life and expected dividend yield. The risk-free interest rate is derived from the average U.S. Treasury Note rate during the period, which approximates the rate in effect at the time of grant related to the expected life of the options. Expected volatility is based on the historical volatility of the Company's Common Stock over the period commensurate with the expected life of the options. The expected life calculation is based on the observed time to post-vesting exercise and/or forfeitures of options by our employees. The dividend yield is zero, based on the fact the Company has never paid cash dividends and has no current intention to pay cash dividends in the future.

#### Fiscal Year 2016 Compared to Fiscal Year 2015

The Company aligns its organizational structure into the following three reporting segments for the purpose of making operational decisions and assessing financial performance: (i) II-VI Laser Solutions, (ii) II-VI Photonics, and (iii) II-VI Performance Products. The Company is reporting financial information (revenue through operating income) for these reporting segments in this Annual Report on Form 10-K.

The following table sets forth bookings and select items from our Consolidated Statements of Earnings for the years ended June 30, 2016 and June 30, 2015 (\$ in millions except per share information):

	Year Ended June 30, 2016		Year Ended June 30, 2015	
Bookings	\$875.3		\$761.7	
	% of Revenues		% of Revenues	
Total Revenues	\$827.2	100.0 %	\$742.0	100.0 %
Cost of goods sold	514.4	62.2	470.4	63.4
Gross margin	312.8	37.8	271.6	36.6
Operating expenses:				
Internal research and development	60.4	7.3	51.3	6.9
Selling, general and administrative	160.6	19.4	143.5	19.3
Interest and other, net	1.9	0.2	(2.3)	(0.3)
Earnings before income tax	89.9	10.9	79.1	10.7
Income taxes	24.5	3.0	13.1	1.8
Net Earnings	\$65.5	7.9 %	\$66.0	8.9 %
Diluted earnings per share	\$1.04		\$1.05	

#### Executive Summary

Net earnings for fiscal year 2016 were \$65.5 million (\$1.04 per-share diluted), compared to \$66.0 million (\$1.05 per-share diluted) for the same period last fiscal year. The acquisitions of EpiWorks and ANADIGICS contributed approximately \$13.9 million in revenues but were dilutive to earnings. Including the operating losses of these two acquisitions, as well as acquisition related expenses and one-time severance expenses, the negative impact of these acquisitions to the Company's results of operations during the fiscal year ended June 30, 2016 was \$20.2 million, or \$0.32 per share diluted. Offsetting the losses from the recent acquisitions were strong financial results experienced by the Company's II-VI Photonics segment. This segment realized revenue increases of over 25% during the current fiscal year compared to last fiscal year which drove stronger earnings from the incremental margins realized. The revenue increase for this segment was driven by broad-based demand across the whole spectrum of optical communication markets, including data center infrastructure build-outs, China broadband initiatives and continued expansion of undersea network deployment. The current year operating results included increased income tax expense as the Company recorded a valuation allowance of approximately \$8.5 million or \$0.14 per share diluted on certain U.S. based deferred income tax assets.

#### Consolidated

**Bookings.** Bookings are defined as customer orders received that are expected to be converted to revenues over the next twelve months. For long-term customer orders, the Company does not include in bookings the portion of the customer order that is beyond

twelve months, due to the inherent uncertainty of such an order that far out in the future. Bookings for the year ended June 30, 2016 increased 15% to \$875.3 million, compared to \$761.7 million for the same period last fiscal year. All of the Company's operating segments experienced stronger booking volumes compared to last year. The increase in bookings was primarily lead by II-VI Photonics which realized increased bookings of \$89.3 million or 32% over the prior fiscal year. This segment has continued to experience strong orders from the China broadband buildout program as well as increased demand for 100G metro deployments in the United States and continued demand for products that serve the data center expansion.

**Revenues.** Revenues for the year ended June 30, 2016 increased 11% to \$827.2 million, compared to \$742.0 million for the prior fiscal year. The increase in revenues for the year ended June 30, 2016 was driven by optical and data communication markets continuing to undergo a cycle of investment and expansion. The Company's II-VI Photonics segment has capitalized on these markets dynamics and realized increased revenues of \$65.1 million for the current fiscal year compared to last fiscal year.

**Gross margin.** Gross margin for the year ended June 30, 2016 was \$312.8 million, or 37.8%, of total revenues, compared to \$271.6 million, or 36.6%, of total revenues for the same period last fiscal year. The improvement in gross margin for the year ended June 30, 2016 compared to last fiscal year was primarily driven by incremental margins realized on the Company's higher revenue levels as well as product mix at II-VI Photonics towards higher margin products relating to 980 nm pumps and undersea network deployments. The inclusion of the recent acquisitions did not have a material impact to the current year's gross margin but going forward, the Company's anticipates the margin to be impacted somewhat by the lower margin profile that each of EpiWorks and ANADIGICS historically has realized.

**Internal research and development.** Company-funded internal research and development expenses for the fiscal year ended June 30, 2016 were \$60.4 million, or 7.3% of revenues, compared to \$51.3 million, or 6.9% of revenues, last fiscal year. The increase in internal research and development expense is the result of the Company's continued investments in the development of the technology required to fabricate VCSELs in large volume for future applications as well as new product introductions across the Company's business units. The Company anticipates the internal research and development expenses as a percentage of revenues to continue to increase as the Company continues to invest in its growth strategy around high-volume VCSELs platform.

**Selling, general and administrative.** Selling, general and administrative ("SG&A") expenses for the year ended June 30, 2016 were \$160.6 million, or 19.4% of revenues, compared to \$143.5 million, or 19.3% of revenues, last fiscal year. The increase in SG&A expense in relative dollars was primarily due to the current year acquisitions' transaction expenses and severance totaling approximately \$11.3 million. The remaining increase in relative dollars was to support a higher revenue base in the current fiscal year.

**Interest and other, net.** Interest and other, net for the year ended June 30, 2016 was expense of \$1.9 million compared to income of \$2.3 million last fiscal year. Included in interest and other, net for the year ended June 30, 2016 were earnings on the Company's equity interest in Guangdong Fuxin Electronic Technology ("Fuxin"), interest expense on borrowings, interest income on excess cash reserves, and unrealized gains and losses on the Company's deferred compensation plan and foreign currency gains and losses. The current fiscal year expense of \$1.9 million includes \$3.1 million of interest expense on the Company's outstanding borrowings offset by \$1.2 million of interest income on the Company's excess cash reserves. The prior year's income of \$2.3 million primarily included a one-time settlement gain of \$7.7 million related to certain payment obligations from prior year acquisitions offset by foreign currency losses of \$2.2 million and \$2.0 million impairment charge on certain tradenames in the II-VI Photonics segment.

**Income taxes.** The Company's year-to-date effective income tax rate at June 30, 2016 was 27.3%, compared to an effective tax rate of 16.6% last fiscal year. The variation between the Company's effective tax rate from continuing

operations and the U.S. statutory rate of 35% was primarily due to the Company's foreign operations, which are subject to income taxes at lower statutory rates. The higher effective tax rate during the current fiscal year is due to an \$8.5 million valuation allowance against certain U.S. based deferred tax assets.

### Segment Reporting

Bookings, revenues and operating income for each of the Company's reportable segments are discussed below. Operating income differs from income from operations in that operating income excludes certain operational expenses included in other expense (income) – net as reported. Management believes operating income to be a useful measure for investors, as it reflects the results of segment performance over which management has direct control and is used by management in its evaluation of segment performance. See "Note 11. Segment and Geographic Reporting," to the Consolidated Financial Statements included in this Annual Report on Form 10-K for further information on the Company's reportable segments and for the reconciliation of operating income to net earnings, which is incorporated herein by reference.



## II-VI Laser Solutions (\$ in millions)

	Year Ended		% Increase	
	June 30,		(Decrease)	
	2016	2015		
Bookings	\$306.0	\$284.8	7	%
Revenues	\$303.0	\$287.9	5	%
Operating income	\$36.2	\$55.0	(34)	%

The Company's II-VI Laser Solutions segment includes the combined operations of II-VI Infrared Optics, II-VI HIGHYAG, II-VI Laser Enterprise, II-VI Suwtech and, II-VI LaserTech, II-VI OptoElectronic Devices Division, and II-VI EpiWorks. The Company acquired II-VI EpiWorks on February 1, 2016 and II-VI OptoElectronic Devices Division, formerly known as ANADIGICS, on March 15, 2016.

Bookings for the fiscal year ended June 30, 2016 for II-VI Laser Solutions increased 7% to \$306.0 million, compared to \$284.8 million last fiscal year. Included in the current year's bookings amounts was \$14.3 million of bookings attributed to the current year acquisitions. Exclusive of this amount, bookings increased approximately \$6.9 million driven by demand for one-micron components for the industrial materials processing market as well higher aftermarket demand for the segment's CQ laser optics.

Revenues for the fiscal year ended June 30, 2016 for II-VI Laser Solutions increased 5% to \$303.0 million, compared to revenues of \$287.9 million last fiscal year. Included in the current year's revenue amount was \$13.9 million of revenue attributed to the current year acquisitions. Exclusive of this amount, revenues were consistent with that of the prior fiscal year levels.

Operating income for the fiscal year ended June 30, 2016 for II-VI Laser Solutions decreased 34% to \$36.2 million, compared to \$55.0 million last fiscal year. The decrease in operating income compared to last fiscal year was primarily due to the inclusion of the operating results of the current year acquisitions. Operating income was also negatively impacted by acquisition related transaction and severance expenses of \$11.3 million.

## II-VI Photonics (\$ in millions)

	Year Ended		% Increase	
	June 30,			
	2016	2015		
Bookings	\$372.2	\$282.9	32	%
Revenues	\$325.9	\$260.8	25	%
Operating income	\$37.8	\$7.2	425	%

The Company's II-VI Photonics segment includes the combined operations of II-VI Photop and II-VI Optical Communications.

Bookings for the year ended June 30, 2016 for II-VI Photonics increased 32% to \$372.2 million, compared to \$282.9 million for the prior fiscal year. The increase in bookings was the result of market demand from the China broadband build-out, 100G metro deployments in the United States and undersea 980 nanometer pumps and high performance optical amplifiers.

Revenues for the year ended June 30, 2016 for II-VI Photonics increased 25% to \$325.9 million, compared to \$260.8 million for last fiscal year. The increase in revenues compared to last fiscal year was mainly attributable to increased customer demand for optical components and modules for the new deployment of CATV optical networks, the continued strength of the China broadband program by the government to extend the fiber to the home deployment, 4G wireless deployment, and accelerated 5G wireless development.

Operating income for the year ended June 30, 2016 for II-VI Photonics increased 425% to \$37.8 million, compared to an operating income of \$7.2 million last fiscal year. The increase in operating income was primarily due to incremental margins realized on the higher revenue levels as well as product mix to higher margin products including 980 nm pumps and optical amplifiers.

## II-VI Performance Products (\$ in millions)

	Year Ended		% Increase	
	June 30, 2016	2015		
Bookings	\$ 197.1	\$ 194.0	2	%
Revenues	\$ 198.3	\$ 193.3	3	%
Operating income	\$ 17.8	\$ 14.6	22	%

The Company's II-VI Performance Products segment includes the business units of II-VI Marlow, II-VI M Cubed, II-VI Advanced Materials, II-VI Optical Systems and II-VI Performance Metals.

Bookings for the year ended June 30, 2016 for II-VI Performance Products increased 2% to \$197.1 million, compared to \$194.0 million for last fiscal year. The moderate increase in bookings during the current fiscal year was driven by increased demand of silicon carbide substrates used in RF applications.

Revenues for the year ended June 30, 2016 for II-VI Performance Products increased 3% to \$198.3 million, compared to \$193.3 million for last fiscal year. The increase in revenues during the current fiscal year was due to increased shipments of military and personal comfort related products.

Operating income for the year ended June 30, 2016 for II-VI Performance Products increased 22% to \$17.8 million, compared to \$14.6 million for last fiscal year. The increase in operating income from the prior fiscal year is a combination of higher revenue levels as well a shift in product mix to higher margin products primarily serving the segment's military markets.

## Fiscal Year 2015 Compared to Fiscal Year 2014

The following table sets forth bookings and select items from our Consolidated Statements of Earnings for the years ended June 30, 2015 and 2014. (\$ millions, except per share information):

	Year Ended		Year Ended	
	June 30, 2015	June 30, 2014	June 30, 2015	June 30, 2014
Bookings	\$761.7	\$691.3		
			% of Revenues	% of Revenues
Total Revenues	\$742.0	\$683.3	100.0 %	100.0 %
Cost of goods sold	470.4	456.5	63.4	66.8
Gross margin	271.6	226.7	36.6	33.2
Operating expenses:				
Internal research and development	51.3	42.5	6.9	6.2
Selling, general and administrative	143.5	137.7	19.3	20.2
Interest and other, net	(2.3 )	0.8	(0.3 )	0.1
Earnings before income tax	79.1	45.6	10.7	6.7

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Income taxes	13.1	1.8	7.3	1.1
Earnings from Continuing Operations	66.0	8.9	38.3	5.6
Earnings from Discontinued Operation, net of income tax	-	-	0.1	-
Net Earnings	\$66.0	8.9	% \$38.4	5.6 %
Diluted earnings per shares:	\$1.05		\$0.60	

Consolidated

**Bookings.** Bookings for the year ended June 30, 2015 increased 10% to \$761.7 million, compared to \$691.3 million for the 2014 fiscal year. The increase in bookings was mostly attributable to a full year of bookings from the acquisitions of II-VI Laser Enterprise and II-VI Network Solutions. In addition, the II-VI HIGHYAG business within the II-VI Laser Solutions segment recorded increased bookings for fiber beam delivery systems and laser processing heads used in automotive manufacturing.

**Revenues.** Revenues for the year ended June 30, 2015 increased 9% to \$742.0 million, compared to \$683.3 million for fiscal year June 30, 2014. The increase in revenues was mostly attributable to a full year of revenues from the acquisitions of II-VI Laser Enterprise and II-VI Network Solutions. In addition, increased revenues at II-VI HIGHYAG from the automotive markets as well as

higher revenues at II-VI Photonics driven by increased demand across a variety of products, such as optical components and modules required by global cable television operators for their broadband initiatives and ongoing investments drove this increase. Somewhat offsetting these higher revenue levels was a decrease in shipment volumes at the Company's military related businesses, driven primarily by reduced U.S. defense spending.

**Gross margin.** Gross margin as a percentage of revenues for the year ended June 30, 2015 was 36.6%, compared to 33.2% for fiscal year June 30, 2014. The increase in gross margin during the fiscal year ended June 30, 2015 was primarily the result of the incremental margin realized on the 9% revenue increase during this period and the elimination of unprofitable product lines. In addition, as noted above, the Company began to realize synergies and operational improvements in connection with its fiscal year 2014 acquisitions, which resulted in higher margin levels. Gross margin for fiscal year 2014 was negatively impacted by a one-time purchase accounting fair market inventory adjustment of \$4.1 million relating to the fiscal year 2014 acquisitions as well as product lines with lower margins.

**Internal research and development.** Company-funded internal research and development expenses for the year ended June 30, 2015 were \$51.3 million, or 6.9% of revenues, compared to \$42.5 million, or 6.2% of revenues, for fiscal year June 30, 2014. The increase in research and development expense as a percentage of revenues in fiscal year 2015 was due to a full year of internal research and development from businesses acquired in prior fiscal years, which invest in higher levels of research and development activity to support their ongoing product development of fiber and direct diode laser components, fiber optical amplifiers and micro-optics.

**Selling, general and administrative.** SG&A expenses for the fiscal year ended June 30, 2015 were \$143.5 million, or 19.3% of revenues, compared to \$137.7 million, or 20.2% of revenues, for fiscal year June 30, 2014. In relative dollar amounts, the increase in SG&A expenses was the result of increased expenses incurred to support an overall revenue base increase from the prior fiscal year. The Company experienced leverage improvement with respect to SG&A expenses as a percentage of revenues through synergies, cost savings and restructuring programs undertaken during the fiscal year ended June 30, 2015.

**Interest and other, net.** Interest and other, net for the year ended June 30, 2015 and 2014 was income of \$2.3 million compared to expense of \$0.8 million for the prior fiscal year. Other income of \$2.3 million for the fiscal year ended June 30, 2015 was primarily the result of a one-time settlement income of \$7.7 million (pre-tax, \$7.1 million after tax) related to certain payment obligations from the prior fiscal year acquisitions offset by foreign currency losses of \$2.2 million due to weakened foreign currencies against the U.S. dollar and a \$2.0 million impairment recorded during the fiscal year 2015 for the write-off of certain tradenames in the II-VI Photonics segment. Included in interest and other, net for the year ended June 30, 2015 were earnings from the Company's equity investment in Fuxin, interest expense on borrowings, interest income on excess cash reserves, unrealized gains on the Company sponsored deferred compensation plan, foreign currency gains and losses.

**Income taxes.** The Company's year-to-date effective income tax rate at June 30, 2015 was 16.6%, compared to an effective tax rate of 16.0% in fiscal year 2014. The variation between the Company's effective tax rate and the U.S. statutory rate of 35% was primarily due to the Company's foreign operations, which are subject to income taxes at lower statutory rates. The year-to-date effective tax rate between the two fiscal years was consistent.

II-VI Laser Solutions (\$ in millions)

Year Ended	%
June 30,	Increase

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	2015	2014		
Bookings	\$284.8	\$262.8	8	%
Revenues	\$287.9	\$254.4	13	%
Operating income	\$55.0	\$24.5	124	%

Bookings for the year ended June 30, 2015 for II-VI Laser Solutions increased 8% to \$284.8 million, compared to \$262.8 million for fiscal year June 30, 2014. The increase in bookings was due in part to higher order levels at II-VI HIGHYAG, which continued to grow its product offerings into the one-micron fiber laser market, for fiber beam delivery systems and for laser processing heads used in automotive manufacturing. In addition, the II-VI Laser Solutions segment recorded a full year of bookings from the acquisition of II-VI Laser Enterprise, which experienced increased demand for products in the direct diode and fiber laser components markets.

Revenues for the year ended June 30, 2015 for II-VI Laser Solutions increased 13% to \$287.9 million, compared to \$254.4 million for fiscal year ended June 30, 2014. The increase in revenues was the result of increased shipment volumes of the segment's fiber beam delivery systems and laser process heads from II-VI HIGHYAG as well as a full year of revenues from the acquisition of II-VI Laser Enterprise.

Operating income for the year ended June 30, 2015 for II-VI Laser Solutions increased 124% to \$55.0 million, compared to \$24.5 million for fiscal year June 30, 2014. The increase in segment earnings was the result of higher revenues as well as gross margin improvements from II-VI Laser Enterprise, as this business unit begun to realize certain operational efficiencies and acquisition related synergies. Operating income for fiscal year 2014 was negatively impacted by transaction expenses of \$3.9 million, \$2.5 million of purchase accounting relating to the fair market inventory adjustment and \$2.0 million of restructuring efforts at II-VI Laser Enterprise.

II-VI Photonics (\$ in millions)

	Year Ended		%
	June 30,		Increase
	2015	2014	
Bookings	\$282.9	\$220.2	28%
Revenues	\$260.8	\$216.5	20%
Operating income (loss)	\$7.2	\$(0.1)	7,300%

Bookings for the year ended June 30, 2015 for II-VI Photonics increased 28% to \$282.9 million, compared to \$220.2 million for fiscal year ended June 30, 2014. The increase in bookings was due to increased demand for a variety of the segment's products, such as optical components and modules driven by broadband initiatives, development of next generation wireless networks and increased bandwidth trends in the data center and cloud applications. In addition, the segment recorded a full year of bookings from the acquisition of II-VI Network Solutions.

Revenues for the year ended June 30, 2015 for II-VI Photonics increased 20% to \$260.8 million, compared to \$216.5 million for fiscal year ended June 30, 2014. The increase in revenues was due to increased customer demand for optical filters, optical components and assemblies, pump lasers and fiber amplifier modules that serve multiple markets. In addition, the segment recorded a full year of revenues from the acquisition of II-VI Network Solutions.

Operating (loss) income for the year ended June 30, 2015 for II-VI Photonics increased 7,300% to \$7.2 million, compared to an operating loss of \$0.1 million for fiscal year June 30, 2014. The improvement in operating income was attributed primarily to incremental margin realized on increased revenues, and favorable product mix towards higher margin products, operational efficiencies and the absence of certain one-time purchase accounting fair market inventory adjustments that occurred in fiscal 2014, offset by \$4.5 million of restructuring expenses to "right-size" its business in fiscal 2015. During fiscal year 2014, one-time fair market inventory purchase accounting adjustments totaled \$1.6 million.

II-VI Performance Products (\$ in millions)

	Year Ended		% (Decrease)	
	June 30,			
	2015	2014		
Bookings	\$194.0	\$208.3	(7	%)
Revenues	\$193.3	\$212.4	(9	%)
Operating income	\$14.6	\$22.1	(34	%)

Bookings for the year ended June 30, 2015 for II-VI Performance Products decreased 7% to \$194.0 million, compared to \$208.3 million for fiscal year June 30, 2014. The decrease in bookings related to lower order volumes of military-related products as a result of the decline in overall defense spending and funding constraints specific to certain U.S. military programs, as well as softness in the semiconductor capital equipment market. The decrease in bookings was somewhat offset by increased demand for SiC substrates addressing high-power high-frequency semiconductor devices.

Revenues for the year ended June 30, 2015 for II-VI Performance Products decreased 9% to \$193.3 million, compared to \$212.4 million for fiscal year June 30, 2014. The decrease in revenues was due to lower shipment volumes of military related products from lower overall defense spending as well as lower shipments to customers in the semiconductor capital equipment markets. The decrease in revenues was somewhat offset by higher revenues from the segment's SiC substrates.

Operating income for the year ended June 30, 2015 for II-VI Performance Products was \$14.6 million, compared to \$22.1 million for fiscal year June 30, 2014. The decrease in operating income was a result of lower revenues during the current fiscal year as well as restructuring charges of \$1.1 million relating to the consolidation of the Company's military-related businesses.



## LIQUIDITY AND CAPITAL RESOURCES

Historically, our primary sources of cash have been provided through operations and long-term borrowings. Other sources of cash include proceeds received from the exercise of stock options and sales of equity investments and businesses. Our historical uses of cash have been for capital expenditures, investments in research and development, business acquisitions, payments of principal and interest on outstanding debt obligations and purchases of treasury stock. Supplemental information pertaining to our sources and uses of cash is presented as follows:

Sources (uses) of Cash (millions):

Year Ended June 30,	2016	2015	2014
Net cash provided by operating activities	\$123.0	\$129.4	\$95.5
Additions to property, plant & equipment	(58.2 )	(52.3 )	(29.2 )
Net proceeds (payments) on long-term borrowings	59.5	(65.5 )	128.0
Purchases of treasury stock	(6.3 )	(12.7 )	(20.0 )
Proceeds from exercises of stock options	9.7	5.2	4.4
Proceeds from the sale of business	45.0	-	-
Purchases of businesses, net of cash acquired	(122.2)	-	(177.7)
Payments of redeemable noncontrolling interest	-	-	(8.8 )
Payments on holdback arrangements	-	(2.4 )	(3.0 )
Other financing activities	(1.4 )	(0.7 )	(1.5 )
Effect of exchange rate changes on cash and cash equivalents and other	(4.3 )	(2.0 )	1.5

Net cash provided by operating activities:

Net cash provided by operating activities was \$123.0 million and \$129.4 million for the fiscal years ended June 30, 2016 and 2015, respectively. The decrease in cash flows from operating activities in fiscal year 2016 compared to the prior fiscal year was mostly due to higher working capital requirements to accommodate the Company's current increased business activities.

Net cash provided by operating activities was \$129.4 million and \$95.5 million for the fiscal years ended June 30, 2015 and 2014, respectively. The increase in cash flows from operating activities in fiscal year 2015 compared to fiscal year 2014 was the result of an increase in the Company's net earnings by \$27.5 million, or 72%, compared to fiscal year 2014.

Net cash used in investing activities:

Net cash used in investing activities was \$135.2 million and \$52.2 million for the fiscal years ended June 30, 2016 and 2015, respectively. Net cash used in investing activities during the year ended June 30, 2016 consisted of \$122.2 million paid for purchases of businesses, net of cash acquired, capital expenditures of \$58.2 million offset by cash received for the sale of the RF business in the amount of \$45.0 million. Net cash used in investing activities for fiscal year 2015 consisted entirely of capital expenditures.

Net cash used in investing activities was \$52.2 million and \$206.8 million for the fiscal years ended June 30, 2015 and 2014, respectively. Net cash used in investing activities during the year ended June 30, 2015 consisted of \$52.3 million paid for capital expenditures of which \$13.4 million represented the purchase of the II-VI HIGHYAG manufacturing facility in Berlin, Germany which was previously accounted for as a capital lease. The majority of net

cash used in investing activities for fiscal year 2014 consisted of \$93.1 million for the acquisition of II-VI Laser Enterprise and \$84.6 million net cash for the acquisition of II-VI Network Solutions. In addition, the Company paid \$29.2 million for capital expenditures in fiscal year 2014.

Net cash provided by (used in) financing activities:

Net cash provided by financing activities was \$61.5 million for the year ended June 30, 2016 compared to net cash used in financing activities of \$76.1 million for the year ended June 30, 2015. During fiscal year 2016, the Company borrowed a total of \$125.2 million to finance its current year acquisitions and repaid \$65.7 million on its outstanding long-term borrowings. In addition, the Company repurchased \$6.3 million of treasury shares under the Company's current share repurchase program, paid \$1.4 million in satisfaction of minimum tax withholding obligations associated with the vesting of restricted and performance share awards and received \$9.7 million of cash from the exercises of stock options.

## Company Credit Facilities

The Company's Second Amended and Restated Credit Agreement (the "Credit Facility"), which was in effect through the period covered by this report, provided for a revolving credit facility of \$225 million, as well as a \$100 million term loan ("the Term Loan"). The Term Loan was being re-paid in consecutive quarterly principal payments on the first business day of each January, April, July and October, with the first payment having commenced on October 1, 2013, as follows: (i) twenty consecutive quarterly installments of \$5.0 million and (ii) a final installment of all remaining principal due and payable on the maturity date of September 10, 2018. Amounts borrowed under the revolving credit facility were due and payable on the maturity date. The Credit Facility was unsecured, but was guaranteed by each existing and subsequently acquired or organized wholly-owned domestic subsidiary of the Company. The Company had the option to request an increase to the size of the revolving credit facility in an aggregate additional amount not to exceed \$100 million. The Credit Facility had a five-year term through September 10, 2018 and had an interest rate of either a Base Rate Option or a Euro-Rate Option, plus an Applicable Margin, as defined in the agreement governing the Credit Facility. If the Base Rate option was selected for a borrowing, the Applicable Margin would have been 0.00% to 0.075% and if the Euro-Rate Option was selected for a borrowing, the Applicable Margin would have been 0.75% to 1.75%. The Applicable Margin was based on the Company's ratio of consolidated indebtedness to consolidated EBITDA. Additionally, the Credit facility was subject to certain covenants, including those relating to minimum interest coverage and maximum leverage ratios. As of June 30, 2016, the Company was in compliance with all financial covenants under the Credit Facility.

In conjunction with the Company's Second Amended and Restated Credit Facility, the Company incurred approximately \$1.0 million of deferred financing costs which were being amortized over the term of the agreement. As a result of the overall increase in borrowing capacity, existing deferred financing costs at the time of the amendment of \$0.5 million were also being amortized over the term of the Credit Facility.

The Company's yen denominated line of credit is a 500 million Yen (\$4.9 million) facility. The Yen line of credit was extended in September 2015 through August 2020 on substantially the same terms. The interest rate equal to LIBOR, as defined in the loan agreement, plus 0.625% to 1.50%. At June 30, 2016 and 2015, the Company had 300 million yen outstanding under the line of credit. Additionally, the facility is subject to certain covenants, including those relating to minimum interest coverage and maximum leverage ratios. As of June 30, 2016, the Company had \$2.9 million outstanding and was in compliance with all financial covenants under its Yen facility.

The Company had aggregate availability of \$37.7 million and \$116.6 million under its lines of credit as of June 30, 2016 and June 30, 2015, respectively. The amounts available under the Company's lines of credit are reduced by outstanding letters of credit. As of June 30, 2016 and 2015, total outstanding letters of credit supported by the Credit Facility were \$1.2 million and \$1.5 million respectively. The weighted average interest rate of total borrowings was 1.6% and 1.8% for the years ended June 30, 2016 and 2015, respectively.

In August 2014, the Board of Directors authorized the Company to purchase up to \$50.0 million of its Common Stock. The repurchase program has no expiration date and provides for shares to be purchased in the open market or in private transactions from time to time. Shares purchased by the Company are retained as treasury stock and are available for general corporate purposes. During the fiscal year ended June 30, 2016, the Company purchased 380,538 shares of its Common Stock for \$6.3 million under this repurchase program. Since inception of the repurchase program the Company has repurchased 1,316,587 shares of its Common Stock for approximately \$19.0 million.

Our cash position, borrowing capacity and debt obligations are as follows (in millions):

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	June 30, 2016	June 30, 2015
Cash and cash equivalents	\$218.4	\$173.6
Available borrowing capacity	37.7	116.6
Total debt obligation	235.9	176.0

On July 28, 2016, subsequent to fiscal year ended June 30, 2016, the Company entered into a Third Amended and Restated Credit Facility (the “Amended Credit Facility”). The Amended Credit Facility provides for a revolving credit facility of \$325 million (increased from \$225 million), as well as a \$100 million term loan, which mature on July 27, 2021. The term loan is to be re-paid in quarterly principal payments of \$5.0 million commencing in October 2016, with any remaining principal due on the maturity date. The Amended Credit Facility is unsecured, but is guaranteed by each of the Company’s existing or subsequently acquired or organized wholly-owned domestic subsidiaries. The Company may request an increase to the size of the Amended Credit Facility in an aggregate additional amount not to exceed \$100 million. Amounts outstanding under the Amended Credit Facility bear interest at LIBOR plus 1.00%-2.25% based on the Company’s ratio of consolidated indebtedness to consolidated EBITDA.

The Amended Credit Facility contains customary affirmative and negative covenants for credit facilities of this type, including limitations on the Company and its subsidiaries with respect to indebtedness, liens, investments, distributions, mergers and acquisitions, disposition of assets, repurchases of the Company's common stock and transactions with affiliates. The covenants permit the Company to use proceeds of the Amended Credit Facility for the repayment of existing indebtedness, permitted acquisitions, working capital and capital expenditures and other lawful corporate purposes. The Amended Credit Facility also contains financial covenants that require the Company to maintain a minimum consolidated interest coverage ratio of 4.0 and a maximum consolidated leverage ratio of 3.25. In conjunction with the new credit facility, the Company incurred \$1.4 million of deferred financing costs which will be amortized over the term of the new facility.

The Company believes cash flow from operations, existing cash reserves and additional available borrowing capacity from its new credit facility will be sufficient to fund its working capital needs, capital expenditures and internal and external growth for fiscal year 2017. The Company's cash and cash equivalent balances are generated and held in numerous locations throughout the world, including amounts held outside the U.S. As of June 30, 2016, the Company held approximately \$177 million of cash and cash equivalents outside of the U.S. Cash balances held outside the United States could be repatriated to the U.S., but, under current law, would potentially be subject to U.S. federal income taxes, less applicable foreign tax credits. The Company has not recorded deferred income taxes related to the majority of its undistributed earnings outside of the U.S., as the majority of the earnings of the Company's foreign subsidiaries are indefinitely reinvested.

#### Off-Balance Sheet Arrangements

The Company's off-balance sheet arrangements include the operating lease obligations and the purchase obligations disclosed in the contractual obligations table below as well as letters of credit as discussed in Note 6 to the Company's Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K. The Company enters into these off-balance sheet arrangements to acquire goods and services used in its business.

#### Tabular Disclosure of Contractual Obligations

	Payments Due By Period				
	Total	Less Than 1 Year	1-3 Years	3-5 Years	More Than 5 Years
Contractual Obligations (\$000)					
Long-term debt obligations	\$235,917	\$20,000	\$213,000	\$2,917	\$-
Interest payments <sup>(1)</sup>	9,533	3,712	5,748	72	-
Capital lease obligations	-	-	-	-	-
Operating lease obligations <sup>(2)</sup>	67,173	13,166	18,923	12,681	22,403
Purchase obligations <sup>(3)(4)</sup>	27,512	23,382	4,130	-	-
Other long-term liabilities reflected on the balance sheet under GAAP	-	-	-	-	-
Total	\$340,135	\$60,260	\$241,801	\$15,670	\$22,403

(1) Variable rate interest obligations are based on the interest rate in place at June 30, 2016 and relate to the Second Amended and Restated Credit Facility.

(2)

Includes an obligation for the use of two parcels of land related to II-VI Performance Metals. The lease obligations extend through years 2039 and 2056, respectively.

- (3) A purchase obligation is defined as an agreement to purchase goods or services that is enforceable and legally binding on the Company and that specifies all significant terms, including fixed or minimum quantities to be purchased; minimum or variable price provisions, and the approximate timing of the transaction. These amounts are primarily comprised of open purchase order commitments to vendors for the purchase of supplies and materials.
- (4) Includes cash earnout opportunities based upon II-VI EpiWorks for the achievement of certain agreed upon financial and operational targets for capacity, wafer output and gross margin.

Pension obligations are not included in the table above. The Company expects defined benefit plan employer contributions to be \$2.5 million in 2017. Estimated funding obligations are determined by asset performance, workforce and retiree demographics, tax and employment laws and other actuarial assumptions which may change the annual funding obligations. The funded status of our defined benefit plans is disclosed in Note 14 to the Company's Consolidated Financial Statements.

The gross unrecognized income tax benefits at June 30, 2016, which are excluded from the above table, were \$5.6 million. The Company is not able to reasonably estimate the amount by which the liability will increase or decrease over time; however, at this time, the Company does not expect a significant payment related to these obligations within the next fiscal year.

#### Item 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK MARKET RISKS

The Company is exposed to market risks arising from adverse changes in foreign currency exchange rates and interest rates. In the normal course of business, the Company uses certain techniques and a derivative financial instrument as part of its overall risk management strategy, primarily focused on its exposure to the Japanese Yen. The Company also has transactions denominated in Euros, British Pounds Sterling, Chinese Renminbi and Swiss Francs. No significant changes have occurred in the techniques and instruments used by the Company during the current fiscal year.

##### Foreign Exchange Risks

In the normal course of business, the Company enters into foreign currency forward exchange contracts with its financial institutions. The purpose of these contracts is to hedge ordinary business risks regarding foreign currencies on product sales. Foreign currency exchange contracts are used to limit transactional exposure to changes in currency rates. The Company enters into foreign currency forward contracts that permit it to sell specified amounts of foreign currencies expected to be received from its export sales for pre-established U.S. dollar amounts at specified dates. The forward contracts are denominated in the same foreign currencies in which export sales are denominated. These contracts provide the Company with an economic hedge in which settlement will occur in future periods, thereby limiting the Company's exposure. These contracts had a total notional amount of \$9.2 million and \$10.8 million at June 30, 2016 and 2015 respectively. The Company continually monitors its positions and the credit ratings of the parties to these contracts. While the Company may be exposed to potential losses due to risk in the event of non-performance by the counterparties to these financial instruments, it does not currently anticipate such losses.

A 10% change in the yen to U.S. dollar exchange rate would have changed revenues in the range from a decrease of approximately \$5.2 million to an increase of approximately \$6.4 million for the year ended June 30, 2016.

The Company has short-term intercompany notes that are denominated in U.S. dollars with certain European subsidiaries. A 10% change in the euro to dollar exchange rate would have changed net earnings in the range from a decrease of \$1.8 million to an increase of \$2.2 million for the year ended June 30, 2016.

Assets and liabilities of foreign operations are translated into U.S. dollars using the period-end exchange rate, while income and expenses are translated using the average exchange rates for the reporting period. Translation adjustments are recorded as accumulated other comprehensive income within shareholders' equity.

##### Interest Rate Risks

As of June 30, 2016, the Company's total borrowings of \$235.9 million were from a line of credit borrowing of \$188.0 million denominated in U.S. dollars, a term loan denominated in U.S. dollars of \$45.0 million and a line of credit borrowing of \$2.9 million denominated in Japanese yen. As such, the Company is exposed to changes in interest rates. A change in the interest rate of 100 basis points on these borrowings would have changed net earnings by \$2.0 million, or \$0.02 per-share diluted, for the fiscal year ended June 30, 2016.

##### Discount Rate Risks

During fiscal year 2016, the discount rate for the Switzerland Defined Benefit Plan was decreased from 1.10% at June 30, 2015 to 0.30% at June 30, 2016 resulting from a decrease in the yield on the 20-year Switzerland government bond. The resulting change to the discount rate increased the unfunded pension liability to \$18.2 million at June 30, 2016, compared to \$10.0 million at June 30, 2015.



Item 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA  
MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

Management's Responsibility for Preparation of the Financial Statements

Management is responsible for the preparation of the financial statements included in this Annual Report on Form 10-K. The financial statements were prepared in accordance with the accounting principles generally accepted in the United States of America and include amounts that are based on the best estimates and judgments of management. The other financial information contained in this Annual Report on Form 10-K is consistent with the financial statements.

Management's Report on Internal Control Over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting. The Company's internal control system is designed to provide reasonable assurance concerning the reliability of the financial data used in the preparation of the Company's financial statements, as well as reasonable assurance with respect to safeguarding the Company's assets from unauthorized use or disposition.

All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement presentation and other results of such systems.

Management conducted an evaluation of the effectiveness of the Company's internal control over financial reporting as of June 30, 2016. In making this evaluation, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control – Integrated Framework (2013). Management's evaluation included reviewing the documentation of its controls, evaluating the design effectiveness of controls and testing their operating effectiveness. Management excluded from the scope of its assessment of internal control over financial reporting the operations and related assets of II-VI EpiWorks which was acquired on February 1, 2016, and ANADIGICS which was acquired on March 15, 2016. The recent acquisitions excluded from management's assessment of internal controls over financial reporting represented approximately \$101.4 million and \$81.3 million of total assets and net assets, respectively, as of June 30, 2016 and approximately \$13.9 million and \$11.0 million of total revenues and net losses, respectively, for the fiscal year then ended. Based on the evaluation, management concluded that as of June 30, 2016, the Company's internal controls over financial reporting were effective and provide reasonable assurance that the accompanying financial statements do not contain any material misstatement.

Ernst & Young LLP, an independent registered public accounting firm, has issued its report on the effectiveness of our internal control over financial reporting as of June 30, 2016. Its report is included herein.

Report of Independent Registered Public Accounting Firm

The Board of Directors and Shareholders of II-VI Incorporated and Subsidiaries

We have audited II-VI Incorporated and Subsidiaries' internal control over financial reporting as of June 30, 2016, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). II-VI Incorporated and Subsidiaries' management is responsible for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the company's internal control over financial reporting based on our audit.

We conducted our audit 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 effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's 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 for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, 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 the policies or procedures may deteriorate.

As indicated in the accompanying Management's Report on Internal Control Over Financial Reporting, management's assessment of and conclusion on the effectiveness of internal control over financial reporting did not include the internal controls of II-VI EpiWorks and ANADIGICS, which is included in the 2016 consolidated financial statements of II-VI Incorporated and Subsidiaries and constituted \$101.4 million and \$81.3 million of total and net assets, respectively, as of June 30, 2016 and \$13.9 million and \$11.0 million of revenues and net losses, respectively, for the year then ended. Our audit of internal control over financial reporting of II-VI Incorporated and Subsidiaries also did not include an evaluation of the internal control over financial reporting of II-VI EpiWorks and ANADIGICS.

In our opinion, II-VI Incorporated and Subsidiaries maintained, in all material respects, effective internal control over financial reporting as of June 30, 2016, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheets of II-VI Incorporated and Subsidiaries as of June 30, 2016 and 2015, and the

related consolidated statements of earnings, comprehensive income, shareholders' equity and cash flows for each of the three years in the period ended June 30, 2016 of II-VI Incorporated and Subsidiaries and our report dated August 26, 2016 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Pittsburgh, PA

August 26, 2016

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Report of Independent Registered Public Accounting Firm

The Board of Directors and Shareholders of II-VI Incorporated and Subsidiaries

We have audited the accompanying consolidated balance sheets of II-VI Incorporated and Subsidiaries as of June 30, 2016 and 2015, and the related consolidated statements of earnings, comprehensive income, shareholders' equity and cash flows for each of the three years in the period ended June 30, 2016. Our audits also included the financial statement schedule listed in the Index at Item 15(a)(2). These financial statements and schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements and schedule 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 financial statements referred to above present fairly, in all material respects, the consolidated financial position of II-VI Incorporated and Subsidiaries at June 30, 2016 and 2015, and the consolidated results of their operations and their cash flows for each of the three years in the period ended June 30, 2016, in conformity with U.S. generally accepted accounting principles. Also, in our opinion, the related financial statement schedule, when considered in relation to the basic financial statements taken as a whole, presents fairly in all material respects the information set forth therein.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), II-VI Incorporated and Subsidiaries' internal control over financial reporting as of June 30, 2016, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated August 26, 2016 expressed an unqualified opinion thereon.

/s/ Ernst & Young LLP

Pittsburgh, PA

August 26, 2016

## II-VI Incorporated and Subsidiaries

## Consolidated Balance Sheets

(\$000)

June 30,	2016	2015
<b>Assets</b>		
<b>Current Assets</b>		
Cash and cash equivalents	\$218,445	\$173,634
Accounts receivable - less allowance for doubtful accounts of \$2,016 at June 30, 2016 and \$1,048 at June 30, 2015	164,817	140,772
Inventories	175,133	164,388
Deferred income taxes	-	13,260
Prepaid and refundable income taxes	6,535	6,881
Prepaid and other current assets	18,033	14,033
<b>Total Current Assets</b>	<b>582,963</b>	<b>512,968</b>
Property, plant & equipment, net	242,857	203,812
Goodwill	233,755	195,894
Other intangible assets, net	124,590	122,462
Investment	11,354	11,914
Deferred income taxes	7,848	2,210
Other assets	9,224	8,904
<b>Total Assets</b>	<b>\$1,212,591</b>	<b>\$1,058,164</b>
<b>Liabilities and Shareholders' Equity</b>		
<b>Current Liabilities</b>		
Current portion of long-term debt	\$20,000	\$20,000
Accounts payable	53,796	45,275
Accrued compensation and benefits	59,012	39,310
Accrued income taxes payable	12,588	9,310
Deferred income taxes	-	685
Other accrued liabilities	25,846	24,576
<b>Total Current Liabilities</b>	<b>171,242</b>	<b>139,156</b>
Long-term debt	215,917	155,957
Deferred income taxes	11,103	7,105
Other liabilities	31,991	26,865
<b>Total Liabilities</b>	<b>430,253</b>	<b>329,083</b>
<b>Shareholders' Equity</b>		
Preferred stock, no par value; authorized - 5,000,000 shares; none issued	-	-
Common stock, no par value; authorized - 300,000,000 shares; issued - 72,840,257 shares at June 30, 2016; 71,779,704 shares at June 30, 2015	243,812	226,609
Accumulated other comprehensive income (loss)	(14,017 )	8,665
Retained earnings	652,788	587,302
	882,583	822,576
Treasury stock, at cost - 10,965,925 shares at June 30, 2016 and 10,565,209 shares at June 30, 2015	(100,245 )	(93,495 )
<b>Total Shareholders' Equity</b>	<b>782,338</b>	<b>729,081</b>
<b>Total Liabilities and Shareholders' Equity</b>	<b>\$1,212,591</b>	<b>\$1,058,164</b>

See Notes to Consolidated Financial Statements.

## II-VI Incorporated and Subsidiaries

## Consolidated Statements of Earnings

Year Ended June 30, (\$000, except per share data)	2016	2015	2014
<b>Revenues</b>			
Domestic	\$303,552	\$274,142	\$240,534
International	523,664	467,819	442,727
<b>Total Revenues</b>	<b>827,216</b>	<b>741,961</b>	<b>683,261</b>
<b>Costs, Expenses and Other Expense (Income)</b>			
Cost of goods sold	514,403	470,363	456,545
Internal research and development	60,354	51,260	42,523
Selling, general and administrative	160,646	143,539	137,707
Interest expense	3,081	3,863	4,479
Other expense (income), net	(1,223 )	(6,176 )	(3,634 )
<b>Total Costs, Expenses and Other Expense (Income)</b>	<b>737,261</b>	<b>662,849</b>	<b>637,620</b>
<b>Earnings from Continuing Operations Before Income Taxes</b>	<b>89,955</b>	<b>79,112</b>	<b>45,641</b>
Income Taxes	24,469	13,137	7,325
<b>Earnings from Continuing Operations</b>	<b>65,486</b>	<b>65,975</b>	<b>38,316</b>
Earnings from Discontinued Operation, net of income tax	-	-	133
<b>Net Earnings</b>	<b>\$65,486</b>	<b>\$65,975</b>	<b>\$38,449</b>
<b>Basic Earnings Per Share:</b>			
Continuing Operations	\$1.07	\$1.08	\$0.62
Discontinued Operation	\$-	\$-	\$-
Consolidated	\$1.07	\$1.08	\$0.62
<b>Diluted Earnings Per Share:</b>			
Continuing Operations	\$1.04	\$1.05	\$0.60
Discontinued Operation	\$-	\$-	\$-
Consolidated	\$1.04	\$1.05	\$0.60

See Notes to Consolidated Financial Statements.





## II-VI Incorporated and Subsidiaries

## Consolidated Statements of Comprehensive Income

Year Ended June 30, (\$000)	2016	2015	2014
Net earnings	\$65,486	\$65,975	\$38,449
Other comprehensive income (loss):			
Foreign currency translation adjustments	(15,651)	(8,497)	2,363
Pension adjustment, net of taxes of (\$1,886), \$(602), and \$387 for the years ended June 30, 2016, 2015, and 2014, respectively	(7,031)	(2,244)	1,443
Comprehensive income	\$42,804	\$55,234	\$42,255

See Notes to Consolidated Financial Statements.

## II-VI Incorporated and Subsidiaries

## Consolidated Statements of Shareholders' Equity

	Common Stock		Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Treasury Stock		Total
	Shares	Amount			Shares	Amount	
(000)							
Balance - June 30, 2013	70,223	\$ 194,284	\$ 15,600	\$ 482,878	(8,012 )	\$ (56,654 )	\$ 636,108
Shares issued under share-based compensation plans	712	4,482	-	-	(44 )	(827 )	3,655
Net earnings	-	-	-	38,449	-	-	38,449
Purchases of treasury stock	-	-	-	-	(1,333 )	(19,973 )	(19,973 )
Treasury stock under deferred compensation arrangements	-	1,809	-	-	(93 )	(1,809 )	-
Foreign currency translation adjustments	-	-	2,363	-	-	-	2,363
Share-based compensation expense	-	12,347	-	-	-	-	12,347
Pension adjustment, net of taxes of \$387	-	-	1,443	-	-	-	1,443
Excess tax benefits from share-based compensation expense	-	651	-	-	-	-	651
Balance - June 30, 2014	70,935	\$ 213,573	\$ 19,406	\$ 521,327	(9,482 )	\$ (79,263 )	\$ 675,043
Shares issued under share-based compensation plans	773	5,196	-	-	(75 )	(1,085 )	4,111
Net earnings	-	-	-	65,975	-	-	65,975
Purchases of treasury stock	-	-	-	-	(936 )	(12,729 )	(12,729 )
Treasury stock under deferred compensation arrangements	72	418	-	-	(72 )	(418 )	-
Foreign currency translation adjustments	-	-	(8,497 )	-	-	-	(8,497 )
Share-based compensation expense	-	11,340	-	-	-	-	11,340
Pension adjustment, net of taxes of \$(602)	-	-	(2,244 )	-	-	-	(2,244 )
APIC pool reclassification	-	(3,812 )	-	-	-	-	(3,812 )
Tax deficiency from share-based compensation expense	-	(106 )	-	-	-	-	(106 )
Balance - June 30, 2015	71,780	\$ 226,609	\$ 8,665	\$ 587,302	(10,565)	\$ (93,495 )	\$ 729,081
Shares issued under share-based compensation	1,046	9,653	-	-	(112 )	(2,004 )	7,649

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Net earnings	-	-	-	65,486	-	-	65,486
Purchases of treasury stock	-	-	-	-	(381 )	(6,284 )	(6,284 )
Treasury stock under deferred compensation arrangements	14	(1,538 )	-	-	92	1,538	-
Foreign currency translation adjustments	-	-	(15,651 )	-	-	-	(15,651 )
Share-based compensation expense	-	9,675	-	-	-	-	9,675
Pension adjustment, net of taxes of (\$1,886)	-	-	(7,031 )	-	-	-	(7,031 )
Tax deficiency from share-based compensation expense	-	(587 )	-	-	-	-	(587 )
Balance - June 30, 2016	72,840	\$ 243,812	\$ (14,017 )	\$ 652,788	(10,966)	\$ (100,245)	\$ 782,338

See Notes to Consolidated Financial Statements.

## II-VI Incorporated and Subsidiaries

## Consolidated Statements of Cash Flows

Year Ended June 30, (\$000)	2016	2015	2014
<b>Cash Flows from Operating Activities</b>			
Net earnings	\$65,486	\$65,975	\$38,449
Adjustments to reconcile net earnings to net cash provided by operating activities:			
Earnings from discontinued operation, net of tax	-	-	(133 )
Depreciation	44,324	41,114	41,805
Amortization	12,339	11,969	11,293
Share-based compensation expense	9,675	11,340	12,347
Impairment of intangible assets	-	1,964	-
(Gains) losses on foreign currency remeasurements and transactions	(51 )	2,178	700
Earnings from equity investment	(29 )	(948 )	(698 )
Deferred income taxes	977	(3,781 )	(4,435 )
Excess tax benefits from share-based compensation expense	(589 )	(335 )	(651 )
Increase (decrease) in cash from changes in (net of effects of acquisitions and dispositions):			
Accounts receivable	(20,770 )	(10,742 )	(28,486 )
Inventories	(8,650 )	(4,207 )	12,794
Accounts payable	5,715	61	19,813
Income taxes	13,416	7,589	(6,282 )
Other operating net assets	1,127	7,189	(2,251 )
Net cash provided by operating activities:			
Continuing Operations	122,970	129,366	94,265
Discontinued Operation	-	-	1,197
Net cash provided by operating activities	122,970	129,366	95,462
<b>Cash Flows from Investing Activities</b>			
Additions to property, plant & equipment	(58,170 )	(52,313 )	(29,220 )
Proceeds from the sale of business	45,000	-	-
Purchases of businesses, net of cash acquired	(122,157)	-	(177,676)
Other investing activities	161	67	79
Net cash used in investing activities	(135,166)	(52,246 )	(206,817)
<b>Cash Flows from Financing Activities</b>			
Proceeds from borrowings	125,200	3,000	183,000
Payments on borrowings	(65,700 )	(68,500 )	(55,000 )
Purchases of treasury stock	(6,284 )	(12,729 )	(19,973 )
Payments of redeemable noncontrolling interest	-	-	(8,789 )
Payments on holdback arrangements	-	(2,350 )	(3,000 )
Proceeds from exercises of stock options	9,653	5,196	4,358
Other financing activities	(1,417 )	(681 )	(1,514 )
Net cash provided by (used in) financing activities	61,452	(76,064 )	99,082
Effect of exchange rate changes on cash and cash equivalents	(4,445 )	(2,082 )	1,500
Net increase (decrease) in cash and cash equivalents	44,811	(1,026 )	(10,773 )

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Cash and Cash Equivalents at Beginning of Period	173,634	174,660	185,433
Cash and Cash Equivalents at End of Period	\$218,445	\$173,634	\$174,660

Non cash transactions:

Purchase of business - earnout consideration recorded in Other liabilities	\$2,417	\$-	\$-
Purchases of business - earnout consideration recorded in Other accrued liabilities	\$1,935	\$-	\$-
Capital lease obligation incurred on facility lease	\$-	\$-	\$11,636
Purchases of businesses - holdback amount recorded in Other accrued liabilities	\$-	\$-	\$10,000

See Notes to Consolidated Financial Statements.

## II-VI Incorporated and Subsidiaries

### Notes to the Consolidated Financial Statements

#### Note 1. Nature of Business and Summary of Significant Accounting Policies

**Nature of Business.** II-VI Incorporated and its subsidiaries (the “Company,” “we,” “us,” or “our”), a global leader in engineered materials and optoelectronic components and devices, is a vertically-integrated manufacturing company that develops innovative products for diversified applications in the industrial, optical communications, military, life sciences, semiconductor equipment and consumer markets. The Company markets its products through its direct sales force and through distributors and agents.

The Company uses certain uncommon materials and compounds to manufacture its products. Some of these materials are available from only one proven outside source. The continued high quality of these materials is critical to the stability of the Company’s manufacturing yields. The Company has not experienced significant production delays due to a shortage of materials. However, the Company does occasionally experience problems associated with vendor-supplied materials not meeting specifications for quality or purity. A significant failure of the Company’s suppliers to deliver sufficient quantities of necessary high-quality materials on a timely basis could have a material adverse effect on the Company’s results of operations.

**Principles of Consolidation.** The Consolidated Financial Statements include the accounts of the Company. All intercompany transactions and balances have been eliminated.

**Estimates.** The preparation of financial statements in conformity with accounting principles generally accepted in the United States (“U.S. GAAP”) 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 revenues and expenses during the reporting period. Actual results could differ from those estimates.

**Foreign Currency Translation.** For II-VI Singapore Pte., Ltd. and its subsidiaries, II-VI Suisse S.a.r.l. and II-VI Laser Enterprise of the II-VI Laser Solutions segment, II-VI Network Solutions Division of the II-VI Photonics segment, and II-VI Performance Metals of the II-VI Performance Products segment the functional currency is the United States (U.S.) dollar. The determination of the functional currency is made based on the appropriate economic and management indicators.

For all other foreign subsidiaries, the functional currency is the local currency. Assets and liabilities of those operations are translated into U.S. dollars using period-end exchange rates while income and expenses are translated using the average exchange rates for the reporting period. Translation adjustments are recorded as accumulated other comprehensive income within shareholders’ equity in the accompanying Consolidated Balance Sheets.

**Cash and Cash Equivalents.** The Company considers highly liquid investment instruments with an original maturity of three months or less to be cash equivalents. We place our cash and cash equivalents with high credit quality financial institutions and to date have not experienced credit losses in these instruments. Cash of foreign subsidiaries is on deposit at banks in China, Vietnam, Singapore, Japan, Switzerland, the Netherlands, Germany, the Philippines, Belgium, Italy, Hong Kong, the United Kingdom and South Korea.

Accounts Receivable. The Company establishes an allowance for doubtful accounts based on historical experience and believes the collection of revenues, net of this allowance, is reasonably assured.

The Company factored a portion of the accounts receivable of its Japan subsidiary during each of the years ended June 30, 2016 and 2015. Factoring is done with high credit quality financial institutions in Japan. During the years ended June 30, 2016 and 2015, \$20.5 million and \$17.8 million, respectively, of accounts receivable had been factored. As of June 30, 2016 and 2015, the amount included in other accrued liabilities representing the Company's obligation to the bank for these receivables factored with recourse was immaterial.

Inventories. Inventories are valued at the lower of cost or market ("LCM"), with cost determined on the first-in, first-out basis. Inventory costs include material, labor and manufacturing overhead. Market cannot exceed the net realizable value (i.e., estimated selling price in the ordinary course of business less reasonably predicted costs of completion and disposal) and market shall not be less than net realizable value reduced by an allowance for an approximately normal profit margin. In evaluating LCM, management also considers, if applicable, other factors as well, including known trends, market conditions, currency exchange rates and other such issues. The Company records an inventory reserve as a charge against earnings for all products on hand more than twelve to twenty-four months depending on the products that have not been sold to customers or cannot be further manufactured for sale to alternative customers. An additional reserve is recorded for product on hand that is in excess of product sold to customers over the same periods noted above. Inventories are presented net of reserves. The reserves totaled \$17.7 million and \$22.3 million at June 30, 2016 and 2015, respectively.

**Property, Plant and Equipment.** Property, plant and equipment are carried at cost or fair market value upon acquisition. Major improvements are capitalized, while maintenance and repairs are generally expensed as incurred. The Company reviews its property, plant and equipment and other long-lived assets for impairment whenever events or circumstances indicate that the carrying amounts may not be recoverable. Depreciation for financial reporting purposes is computed primarily by the straight-line method over the estimated useful lives for building, building improvements and land improvements of 10 to 20 years and 3 to 20 years for machinery and equipment.

**Business Combinations.** The Company accounts for business acquisitions by establishing the acquisition-date fair value as the measurement for all assets acquired and liabilities assumed. Certain provisions of U.S. GAAP prescribe, among other things, the determination of acquisition-date fair value of consideration paid in a business combination (including contingent consideration) and the exclusion of transaction and acquisition-related restructuring costs from acquisition accounting. The Company accounts for contingent consideration received in accordance with the “Loss Recovery Approach” under U.S. GAAP. Contingent consideration is accounted for as a gain contingency and not recognized until all contingencies have been satisfied.

**Goodwill.** The excess purchase price over the fair market value allocated to identifiable tangible and intangible net assets of businesses acquired is reported as goodwill in the accompanying Consolidated Balance Sheets. The Company tests goodwill for impairment at least annually as of April 1, or when events or changes in circumstances indicate that goodwill might be impaired. The evaluation of impairment involves comparing the current fair value of the Company’s reporting units to the recorded value (including goodwill). The Company uses a discounted cash flow (“DCF”) model and a market analysis to determine the current fair value of its reporting units. A number of significant assumptions and estimates are involved in estimating the forecasted cash flows used in the DCF model, including markets and market shares, sales volume and pricing, costs to produce, working capital changes and income tax rates. Management considers historical experience and all available information at the time the fair values of the reporting units are estimated.

The Company has the option to perform a qualitative assessment of goodwill prior to completing the two-step process described above to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount, including goodwill and other intangible assets. If the Company concludes that this is the case, it must perform the two-step process. Otherwise, the Company will forego the two-step process and does not need to perform any further testing.

**Intangibles.** Intangible assets are initially recorded at their cost or fair market value upon acquisition. Finite-lived intangible assets are amortized for financial reporting purposes using the straight-line method over the estimated useful lives of the assets ranging from 5 to 20 years. Indefinite-lived intangible assets are not amortized but tested annually for impairment at April 1, or when events or changes in circumstances indicate that indefinite-lived intangible assets might be impaired.

**Equity Method Investments.** The Company has an equity investment in Guangdong Fuxin Electronic Technology (“Fuxin”) based in Guangdong Province, China of 20.2%, which is accounted for under the equity method of accounting. The total carrying value of the investment recorded at June 30, 2016 and June 30, 2015 was \$11.4 million and \$11.9 million, respectively. During the years ended June 30, 2016, 2015 and 2014, the Company’s pro-rata share of earnings from this investment was less than \$0.1 million, \$0.9 million and \$0.7 million, respectively, and was recorded in other expense (income), net in the Consolidated Statements of Earnings. During the years ended June 30, 2016, 2015 and 2014 the Company recorded dividends from this equity investment of \$0.6 million, \$0.6 million and \$0.3 million, respectively.

**Commitments and Contingencies.** Liabilities for loss contingencies arising from claims, assessments, litigation, fines, and penalties and other sources are recorded when it is probable that a liability has been incurred and the amount of



the assessment and/or remediation can be reasonably estimated. Legal costs incurred in connection with loss contingencies are expensed as incurred. Such accruals are adjusted as further information develops or circumstances change. The Company had no loss contingency liabilities at June 30, 2016 related to commitments and contingencies.

**Accrued Bonus and Profit Sharing Contribution.** The Company records bonus and profit sharing estimates as a charge against earnings. These estimates are adjusted to actual based on final results of operations achieved during the fiscal year. Certain partial bonus amounts are paid on an interim basis, and the remainder is paid after the fiscal year end after the final determination of the applicable percentage or amounts. Other bonuses are paid annually.

**Warranty Reserve.** The Company records a warranty reserve as a charge against earnings based on a percentage of revenues utilizing actual returns over a period that approximates historical warranty experience with adjustments possible for changes in product lines or unusual conditions that come to the Company's attention.

**Income Taxes.** Deferred income tax assets and liabilities are determined based on the differences between the consolidated financial statement and tax basis of assets and liabilities using enacted tax rates in effect in the years in which the differences are expected to reverse. Valuation allowances are established when necessary to reduce deferred income tax assets to the amount more likely than not

to be realized. The Company adopted an accounting policy to apply acquired deferred tax liabilities to pre-existing deferred tax assets before evaluating the need for a valuation allowance for acquired deferred tax assets.

The Company recognizes the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based on the technical merits of the position. The tax benefits recognized in the financial statements from such a position are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate resolution. The amount of unrecognized tax benefits is adjusted for changes in facts and circumstances. For example, adjustments could result from significant amendments to existing tax law and the issuance of regulations or interpretations by the taxing authorities, new information obtained during a tax examination, or resolution of an examination. The Company believes that its estimates for uncertain tax positions are appropriate and sufficient to pay assessments that may result from examinations of its tax returns. The Company recognizes both accrued interest and penalties related to unrecognized tax benefits in income tax expense.

**Revenue Recognition.** The Company recognizes revenues for product shipments when persuasive evidence of a sales arrangement exists, the product has been shipped or delivered, the sale price is fixed or determinable and collectability is reasonably assured. Title and risk of loss passes from the Company to its customer at the time of shipment in most cases with the exception of certain customers. For these customers, title does not pass and revenue is not recognized until the customer has received the product at its physical location.

We establish an allowance for doubtful accounts based on historical experience and believe the collection of revenues, net of this reserve, is reasonably assured. Our reserve estimate has historically been proven to be materially correct based upon actual charges incurred.

The Company's revenue recognition policy is consistently applied across the Company's segments, product lines and geographical locations. Further for the periods covered herein, we did not have post shipment obligations such as training or installation, customer acceptance provisions, credits and discounts, rebates and price protection, or other similar privileges. Our distributors and agents are not granted price protection. Our distributors and agents, which comprise less than 10% of consolidated revenues, have no additional product return rights beyond the right to return defective products covered by our warranty policy. Revenues generated from transactions other than product shipments are contract related and have historically accounted for less than 2% of consolidated revenues. We believe our revenue recognition practices have adequately considered the requirements under U.S. GAAP.

**Shipping and Handling Costs.** Shipping and handling costs billed to customers are included in revenues. Shipping and handling costs incurred by the Company are included in selling, general and administrative expenses in the accompanying Consolidated Statements of Earnings. Total shipping and handling revenue and costs included in revenues and in selling, general and administrative expenses were not significant for the fiscal years ended June 30, 2016, 2015 and 2014.

**Research and Development.** Internal research and development costs and costs not related to customer and government funded research and development contracts are expensed as incurred.

**Share-Based Compensation.** Share-based compensation arrangements requires the recognition of the grant-date fair value of stock compensation in net earnings. The Company recognizes the share-based compensation expense over the requisite service period of the individual grantees, which generally equals the vesting period.

**Workers' Compensation.** The Company is self-insured for certain losses related to workers' compensation for the majority of its U.S. employees. When estimating the self-insurance liability, the Company considers a number of factors, including historical claims experience, demographic and severity factors and valuations provided by

independent third-party consultants. At least annually, management reviews its assumptions and valuations to determine the adequacy of the self-insurance liability.

**Accumulated Other Comprehensive Income.** Accumulated other comprehensive income is a measure of all changes in shareholders' equity that result from transactions and other economic events in the period other than transactions with owners. Accumulated other comprehensive income is a component of shareholders' equity and consists of accumulated foreign currency translation adjustments of (\$6.2) million and \$9.5 million as of June 30, 2016 and 2015, respectively, and pension adjustments of (\$7.8) million and (\$0.8) million as of June 30, 2016 and 2015, respectively.

**Fair Value Measurements.** The Company applies fair value accounting for all financial assets and liabilities that are required to be recognized or disclosed at fair value in the financial statements. Fair value is defined as the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. When determining the fair value measurements for assets and liabilities, the Company considers the principal or most advantageous market in which the Company would transact, and the market-based risk measurements or assumptions that market participants would use in pricing the asset or liability, such as inherent risk, transfer restrictions and credit risk.

Leases. The Company classifies leases as operating in accordance with the provisions of lease accounting. Rent expense under noncancelable operating leases with scheduled rent increases or rent holidays is accounted for on a straight-line basis over the lease term, beginning on the date of initial possession or the effective date of the lease agreement. The amount of the excess of straight-line rent expense over scheduled payments is recorded as a deferred liability. The current portion of unamortized deferred lease costs is included in other accrued liabilities and the long-term portion is included in other liabilities in the Consolidated Balance Sheets.

#### Recently Issued Financial Accounting Standards

##### Adopted Pronouncements

In November 2015, the Financial Accounting Standards Board (“FASB”) issued Accounting Standard Update (“ASU”) 2015-17, Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes. This update requires all deferred tax assets and liabilities, and any related valuation allowance, to be classified as noncurrent on the balance sheet. The classification change for all deferred taxes as noncurrent simplifies the Company’s processes as it eliminates the need to separately identify the net current and net noncurrent deferred tax asset or liability in each jurisdiction and allocate valuation allowances. The Company early adopted this standard and has elected to prospectively adopt the accounting standard in the quarter ended December 31, 2015. The adoption of this standard resulted in the reclassification of \$13.3 million from current deferred income tax assets in the Consolidated Balance Sheet as of December 31, 2015 to noncurrent deferred income tax assets and \$1.0 million from current deferred income tax liabilities to noncurrent deferred income tax liabilities. Prior periods in the Company’s Consolidated Financial Statements were not retrospectively adjusted.

##### Pronouncements Currently Under Evaluation

In May 2016, the FASB issued ASU 2016-12, Revenue from Contracts with Customers (Topic 606): Narrow-Scope Improvements and Practical Expedients. The amendments in the update do not change the core principle of the guidance in Topic 606. Rather, the amendments in this update affect only narrow aspects of Topic 606. The update will be effective for the Company’s 2019 fiscal year. The Company is evaluating the impact of this guidance on the Company’s Consolidated Financial Statements.

In March 2016, the FASB issued ASU 2016-09, Compensation – Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting. This update simplifies several aspects of the accounting for employee share-based payment transactions, including the accounting for income taxes, forfeitures, statutory tax withholding requirements, and classification in the statement of cash flows. The standard will be effective for the Company’s 2017 fiscal year. Early adoption is permitted. The Company is evaluating the impact of this guidance on the Company’s Consolidated Financial Statements.

In March 2016, the FASB issued ASU 2016-07, Investments – Equity Method and Joint Ventures (Topic 323): Simplifying the Transition to the Equity Method of Accounting. This update eliminates the requirement to retrospectively apply the equity method as a result of an increase in the level of ownership interest. The ASU also requires unrealized holding gains or losses in accumulated other comprehensive income related to an available for sale security that becomes eligible for the equity method to be recognized in earnings when it qualifies for the equity method. The standard will be effective for the Company’s 2018 fiscal year. The adoption of this ASU is not expected to have a material effect on the Company’s Consolidated Financial Statements.

In February 2016, the FASB issued ASU 2016-02, Leases (Topic 842): This update requires that a lessee recognize leased assets with terms greater than 12 months on the balance sheet for the rights and obligations created by those leases. The standard will be effective for the Company’s 2019 fiscal year. Early adoption is permitted. The Company is

evaluating the impact of this guidance on the Company's Consolidated Financial Statements.

In September 2015, the FASB issued ASU 2015-16, Business Combinations (Topic 805): Simplifying the Accounting for Measurement-Period Adjustments. This update requires that an acquirer recognize adjustments to provisional amounts that are identified during the measurement period in the reporting period in which the adjustment amounts are determined. The standard will be effective for the Company's 2017 fiscal year. Early adoption is permitted. The adoption of this ASU is not expected to have a material effect on the Company's Consolidated Financial Statements.

In July 2015, the FASB issued ASU 2015-11, Inventory (Topic 330): Simplifying the Measurement of Inventory. This update simplifies the measurement of inventory valuation at the lower of cost or net realizable value. Net realizable value is the estimated selling price in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. The new inventory measurement requirements will be effective for the Company's 2018 fiscal year and will replace the current inventory valuation guidance that requires the use of a lower of cost or market framework. The adoption of this ASU is not expected to have a material effect on the Company's Consolidated Financial Statements.

In April 2015, the FASB issued ASU 2015-05, Intangibles - Goodwill and Other - Internal-Use Software (Subtopic 350-40): Customer's Accounting for Fees Paid in a Cloud Computing Arrangement. This update provides guidance about whether a cloud

computing arrangement includes a software license. The update will be effective for the Company's 2017 fiscal year. Early adoption is permitted. The update allows for the use of either a prospective or retrospective adoption approach. The adoption of this ASU is not expected to have a material effect on the Company's Consolidated Financial Statements.

In April 2015, the FASB issued ASU 2015-03, Interest – Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs. This ASU requires entities to present debt issuance costs in the balance sheet as a direct deduction from the carrying amount of the corresponding debt liability, consistent with debt discounts. The update will be effective for the Company's 2017 fiscal year. The adoption of this ASU is not expected to have a material effect on the Company's Consolidated Financial Statements.

In February 2015, the FASB issued ASU 2015-02, Consolidation (Topic 810): Amendments to the Consolidation Analysis, which affects reporting organizations that are required to evaluate whether they should consolidate certain legal entities. The update will be effective for the Company's 2017 fiscal year. Early adoption is permitted, including adoption in an interim period. The update allows for the use of either a full retrospective or a modified retrospective adoption approach. The adoption of this ASU is not expected to have a material effect on the Company's Consolidated Financial Statements.

In May 2014, the FASB issued ASU 2014-09: Revenue from Contracts with Customers (Topic 606) which supersedes virtually all existing revenue recognition guidance under U.S. GAAP. The update's core principle is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. The update allows for the use of either the retrospective or modified retrospective approach of adoption. On July 9, 2015 the FASB approved a one year deferral of the effective date of the update. The update will be effective for the Company's 2019 fiscal year. The Company has not yet selected a transition method and are currently evaluating the impact of this guidance on the Company's Consolidated Financial Statements.

#### Note 2. Acquisitions/Divestiture Acquisition of EpiWorks, Inc.

In February 2016, the Company acquired all the outstanding shares of EpiWorks, Inc. ("EpiWorks") a privately held company based in Illinois. Under the terms of the merger agreement, the consideration consisted of initial cash paid at the acquisition date of \$43.0 million, net of cash acquired and a working capital adjustment of \$0.2 million. In addition, the agreement provides up to a maximum of \$6.0 million of additional cash earnout opportunities based upon EpiWorks achieving certain agreed upon financial and operational targets for capacity, wafer output and gross margin, which if earned would be payable in the amount of \$2.0 million for the achievement of each specific annual target over the next three years. EpiWorks develops and manufactures compound semiconductor epitaxial wafers for applications in optical components, wireless devices and high-speed communication systems. EpiWorks is a business unit of the Company's II-VI Laser Solutions operating segment for financial reporting purposes. Due to the timing of the acquisition, the Company is still in the process of completing its fair market valuation, primarily relating to the valuation of the earnout arrangement as well as deferred income taxes.

The following table presents the allocation of the purchase price at the date of acquisition (\$000):

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Net cash paid at acquisition	\$ 42,981
Cash paid for working capital adjustment	163
Fair value of cash earnout arrangement	4,352
Purchase price	\$ 47,496

The following table presents the preliminary allocation of the purchase price of the assets acquired and liabilities assumed at the date of acquisition, as the Company intends to finalize its accounting for the acquisition of EpiWorks within one year from the date of acquisition (\$000):

<b>Assets</b>	
Accounts receivable	\$ 2,121
Inventories	2,435
Prepaid and other assets	68
Property, plant & equipment	9,043
Intangible assets	14,124
Goodwill	27,588
Total assets acquired	\$ 55,379
<b>Liabilities</b>	
Accounts payable	\$ 605
Other accrued liabilities	859
Deferred tax liabilities	6,419
Total liabilities assumed	7,883
Net assets acquired	\$ 47,496

The goodwill of \$27.6 million is included in the II-VI Laser Solutions segment and is attributed to the expected synergies and the assembled workforce of EpiWorks. None of the goodwill is deductible for income tax purposes. The fair value of accounts receivable acquired was \$2.1 million with the gross contractual amount being \$2.1 million. At the time of acquisition, the Company expected to collect all of the accounts receivable. The Company expensed transaction costs of \$0.4 million for the year ended June 30, 2016.

The amount of revenues and net loss of EpiWorks included in the Company's Consolidated Statement of Earnings were \$2.5 million and \$1.8 million, respectively, for the year ended June 30, 2016.

#### Acquisition of ANADIGICS, Inc.

In March 2016, the Company acquired all the outstanding shares of ANADIGICS (Nasdaq:ANAD), which was a publicly traded company based in New Jersey. Under the terms of the merger agreement, the consideration consisted of both a working capital advance of \$3.5 million and cash paid of \$78.2 million at the acquisition date, net of cash acquired of \$2.7 million. ANADIGICS has a 6-inch gallium arsenide wafer fabrication capability allowing for the production of high performance lasers and integrated circuits in high volume. In addition, at the time of the acquisition, ANADIGICS designed and manufactured innovative radio frequency (RF) solutions for CATV infrastructure, small-cell, WIFI and cellular markets. The Company divested this portion of the business in June 2016. In conjunction with the sale of the RF business, the Company renamed ANADIGICS as II-VI Optoelectronic Devices Division. OED is a business unit of the Company's II-VI Laser Solutions operating segment for financial reporting purposes. Due to the timing of the acquisition, the Company is still in the process of completing its fair market valuation, primarily relating to the valuation of property, plant and equipment as well as deferred income taxes.

The following table presents the preliminary allocation of the purchase price of the assets acquired and liabilities assumed at the date of acquisition as the Company intends to finalize its accounting for the acquisition of ANADIGICS within one year from the date of acquisition (\$000):

<b>Assets</b>	
Accounts receivable	\$ 3,973
Inventories	8,322
Prepaid and other assets	2,347
Property, plant & equipment	25,810



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Intangible assets	1,060
Goodwill	48,312
Total assets acquired	\$ 89,824
<b>Liabilities</b>	
Accounts payable	\$ 3,586
Other accrued liabilities	7,226
Total liabilities assumed	10,812
Net assets acquired	\$ 79,012

The following adjustments were made at June 30, 2016 to ANADIGICS' preliminary opening balance sheet from the preliminary balances recorded at March 31, 2016:

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- The carrying amount of property, plant & equipment decreased \$15.7 million to reflect further refinement of the valuation procedures employed and reflected increased levels of economic obsolescence.
- The identifiable intangible assets decreased \$22.5 million.
- The carrying amount of goodwill increased \$27.3 million.

The impact of the changes was not material to either depreciation expense or amortization expense as the acquisition occurred on March 15, 2016.

The goodwill of \$48.3 million is included in the II-VI Laser Solutions segment and is attributed to the expected synergies and the assembled workforce of ANADIGICS. None of the goodwill is deductible for income tax purposes. In conjunction with the June 3, 2016 sale of the RF business noted below, the Company disposed of \$35.4 million of goodwill. The fair value of accounts receivable acquired was \$4.0 million with the gross contractual amount being \$4.0 million. At the time of acquisition, the Company expected to collect all of the accounts receivable. The Company expensed transaction costs of \$2.9 million for the year ended June 30, 2016.

The amount of revenues and net loss of ANADIGICS included in the Company's Consolidated Statement of Earnings were \$11.4 million and \$9.2 million, respectively, for the year ended June 30, 2016.

#### Deferred Income Taxes

In connection with above acquisitions, the Company adopted an accounting policy to apply acquired deferred tax liabilities to pre-existing deferred tax assets before evaluating the need for a valuation allowance for acquired deferred tax assets. During fiscal year 2016, the Company recorded a \$36.2 million valuation allowance within purchase accounting as a result of the Company incurring a cumulative U.S. three year loss.

#### Pro Forma Information (Unaudited)

The following unaudited pro forma consolidated results of operations for the year ended June 30, 2016 and 2015 have been prepared as if the acquisitions of EpiWorks and ANADIGICS had occurred on July 1, 2014, the beginning of the Company's fiscal year 2015, which is the fiscal year prior to the acquisitions. As a result, certain transaction related expenses of \$3.3 million (net of tax) recorded in Selling, general and administrative in the Company's Consolidated Statement of Earnings for the year ended June 30, 2016 were only included in the earliest period presented below (\$000 except per share data).

	Year Ended June 30,	
	2016	2015
Net revenues	\$ 866,349	\$ 831,050
Net earnings	\$ 39,762	\$ 32,053
Basic earnings per share	\$ 0.65	\$ 0.52
Diluted earnings per share	\$ 0.63	\$ 0.51

The pro forma results are not necessarily indicative of what actually would have occurred if the transactions had occurred as described above. The pro forma results are not intended to be a projection of future results and do not reflect any cost savings that might be achieved from the combined operations.

#### Divestiture of the RF Business of ANADIGICS

On June 3, 2016, the Company sold the RF business of ANADIGICS that it acquired on March 15, 2016. The consideration consisted of \$45.0 million of cash received at closing, a working capital adjustment of \$0.6 million to be received within 60 days after closing and \$5.0 million contingent consideration to be earned based upon supplying minimum volumes of wafers to the purchaser over an 18-month period through December 2017. The \$5.0 million contingent consideration will be recognized in net earnings when earned and received from the purchaser. The Company believes the sale of this non-strategic business will allow the Company to focus its financial resources and devote greater attention to the 6-inch wafer fab business. The Company incurred approximately \$0.4 million in transaction expenses and recorded an immaterial gain of less than \$0.1 million on the sale of the RF business.

The following table presents the carrying value of the assets and liabilities included as part of the disposal of the RF business of ANADIGICS (\$000):

Assets	
Inventories	\$ 5,378
Equipment	5,813
Goodwill	35,352
	\$ 46,543
Liabilities	
Accounts payable	\$ 963
Total Consideration \$ 45,580	

In conjunction with the sale of the RF business, the Company recorded approximately \$7.5 million of severance expense for employees of the business. The amount of revenue and net loss from the RF business of ANADIGICS from the acquisition date to the date of sale included in the Company's Consolidated Statements of Earnings were \$10.1 million and \$8.4 million, respectively, for the year ended June 30, 2016.

#### Note 3. Inventories

The components of inventories, net of reserves, were as follows:

June 30, (\$000)	2016	2015
Raw materials	\$70,623	\$71,210
Work in progress	57,566	52,726
Finished goods	46,944	40,452
	\$175,133	\$164,388

#### Note 4. Property, Plant and Equipment

Property, plant and equipment consist of the following:

June 30, (\$000)	2016	2015
Land and land improvements	\$4,990	\$4,566
Buildings and improvements	110,219	91,171
Machinery and equipment	409,551	366,560
Construction in progress	34,602	17,749
	559,362	480,046

Less accumulated depreciation	(316,505)	(276,234)
	\$242,857	\$203,812

During the quarter ended March 31, 2016, the Company's one year timeframe to sell its manufacturing facility in New Port Ritchey, Florida under U.S. GAAP accounting for assets held for sale expired. The Company reclassified the carrying value of the land and building of approximately \$1.2 million from Prepaid and other current assets to Property, plant & equipment in the Consolidated Balance Sheet at June 30, 2016. The Company cumulatively adjusted suspended depreciation for the period in which the asset was classified as held for sale. The depreciation adjustment was insignificant.

Depreciation expense was \$44.3 million, \$41.1 million and \$41.8 million for the fiscal years ended June 30, 2016, 2015 and 2014, respectively.

Included in the cost and accumulated depreciation of property, plant and equipment is the effect of foreign currency translation on the portion relating to the Company's foreign subsidiaries.

#### Note 5. Goodwill and Other Intangible Assets

Goodwill represents the excess of the cost over the net tangible and identifiable intangible assets of acquired businesses. Identifiable intangible assets acquired in business combinations are recorded based upon fair market value at the date of acquisition.

In connection with the two acquisitions completed in fiscal year 2016, the Company recorded the excess purchase price over the net assets of the business acquired as goodwill in the accompanying Consolidated Balance Sheets, based on the preliminary purchase price allocation.

In connection with the sale of ANADIGICS' RF business on June 3, 2016, the Company disposed of \$35.4 million of goodwill attributed to the RF business that was sold. The goodwill allocated to the RF business of ANADIGICS was based on a relative fair value allocation approach in accordance with authoritative accounting guidance.

Changes in the carrying amount of goodwill were as follows (\$000):

	Year Ended June 30, 2016			
	II-VI		II- VI	
	Laser	II-VI	Performance	Total
	Solutions	Photonics	Products	
Balance-beginning of period	\$43,578	\$ 99,426	\$ 52,890	\$195,894
Goodwill acquired	75,900	-	-	75,900
Goodwill attributed to the RF business sold	(35,352)	-	-	(35,352)
Foreign currency translation	(21 )	(2,666 )	-	(2,687 )
Balance-end of period	\$84,105	\$ 96,760	\$ 52,890	\$233,755

	Year Ended June 30, 2015			
	II-VI		II- VI	
	Laser	II-VI	Performance	Total
	Solutions	Photonics	Products	
Balance-beginning of period	\$44,041	\$ 99,214	\$ 52,890	\$196,145
Foreign currency translation	(463 )	212	-	(251 )
Balance-end of period	\$43,578	\$ 99,426	\$ 52,890	\$195,894

The Company reviews the recoverability of goodwill at least annually and any time business conditions indicate a potential change in recoverability. The measurement of a potential impairment begins with comparing the current fair value of the Company's reporting units to the recorded value (including goodwill). The Company used a discounted cash flow (DCF) model and a market analysis to determine the current fair value of all its reporting units. A number of significant assumptions and estimates are involved in estimating the forecasted cash flows used in the DCF model, including markets and market shares, sales volume and pricing, costs to produce, working capital changes and income tax rates. Management considers historical experience and all available information at the time the fair values of the reporting units are estimated. The Company has the option to perform a qualitative assessment of goodwill to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount, including goodwill and other intangible assets. As of April 1 of fiscal years 2016 and 2015, the Company completed its annual impairment tests of its reporting units. Based on the results of these analyses, the Company's goodwill was not impaired.

The gross carrying amount and accumulated amortization of the Company's intangible assets other than goodwill as of June 30, 2016 and 2015 were as follows (\$000):

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	June 30, 2016			June 30, 2015		
	Gross Carrying Amount	Accumulated Amortization	Net Book Value	Gross Carrying Amount	Accumulated Amortization	Net Book Value
Technology and Patents	\$54,344	\$ (22,724 )	\$31,620	\$50,520	\$ (18,838 )	\$31,682
Trade Names	15,869	(1,209 )	14,660	15,869	(1,111 )	14,758
Customer Lists	112,141	(33,912 )	78,229	102,489	(26,583 )	75,906
Other	1,571	(1,490 )	81	1,572	(1,456 )	116
Total	\$183,925	\$ (59,335 )	\$124,590	\$170,450	\$ (47,988 )	\$122,462

Amortization expense recorded on the intangible assets for the fiscal years ended June 30, 2016, 2015 and 2014 was \$12.3 million, \$12.0 million, and \$11.3 million, respectively. The technology and patents are being amortized over a range of 60 to 240 months with a weighted-average remaining life of approximately 101 months. The customer lists are being amortized over 60 to 240 months with a weighted-average remaining life of approximately 144 months.

In conjunction with the acquisitions of EpiWorks and ANADIGICS, the Company recorded \$4.6 million of technology and patents, \$10.3 million of customer lists, and \$0.3 million of trade names. The intangibles were recorded based on the Company's preliminary purchase price allocation which is expected to be finalized within one year from the date of acquisitions.

In connection with past acquisitions, the Company acquired trade names with indefinite lives. The carrying amount of these trade names of \$14.1 million as of June 30, 2016 is not amortized but tested annually for impairment. The Company completed its impairment test of these trade names with indefinite lives in the fourth quarter of fiscal years 2016 and 2015. Based on the results of these tests, the trade names were not impaired in fiscal year 2016.

During the year ended June 30, 2015, the Company recognized an impairment charge on two of its indefinite lived trade names in the II-VI Photonics reporting unit as these trade names were abandoned as a result of the Company's rebranding efforts. Total impairment recorded during the year ended June 30, 2015 was \$2.0 million, which represented the entire carrying value of these two trade names and was recorded in other expense (income), net in the Consolidated Statements of Earnings.

Included in the gross carrying amount and accumulated amortization of the Company's technology and patents, customer list and other component of intangible assets and goodwill is the effect of the foreign currency translation on the portion relating to the Company's German and China subsidiaries. The estimated amortization expense for existing intangible assets for each of the five succeeding years is as follows (\$000):

Year Ending June 30,	
2017	\$ 12,515
2018	12,108
2019	11,789
2020	11,048
2021	10,181

#### Note 6. Debt

The components of debt were as follows (\$000):

June 30,	2016	2015
Line of credit, interest at LIBOR, as defined, plus 1.5% and 1.25%, respectively	\$ 188,000	\$ 108,500
Term loan, interest at LIBOR, as defined, plus 1.5% and 1.25%, respectively	45,000	65,000
Yen denominated line of credit, interest at LIBOR, as defined, plus 0.625%	2,917	2,457
Total debt	235,917	175,957
Current portion of long-term debt	(20,000 )	(20,000 )
Long-term debt, less current portion	\$ 215,917	\$ 155,957

The Company's Second Amended and Restated Credit Agreement (the "Credit Facility") provides for a revolving credit facility of \$225 million, as well as a \$100 million Term Loan ("the Term Loan"). The Term Loan is being repaid in consecutive quarterly principal payments on the first business day of each January, April, July and October, with the first payment having commenced on October 1, 2013, as follows: (i) twenty consecutive quarterly installments of \$5 million and (ii) a final installment of all remaining principal due and payable on the maturity date. The Credit Facility is unsecured, but is guaranteed by each existing and subsequently acquired or organized wholly-owned domestic subsidiaries of the Company. The Company has the option to request an increase to the size of the Amended Credit



Facility in an aggregate additional amount not to exceed \$100 million. The Credit Facility has a five-year term through September 10, 2018. Amounts borrowed under the revolving credit facility are due and payable on the maturity date and has an interest rate of either a Base Rate Option or a Euro-Rate Option, plus an Applicable Margin, as defined in the agreement governing the Credit Facility. If the Base Rate option is selected for a borrowing, the Applicable Margin is 0.00% to 0.075% and if the Euro-Rate Option is selected for a borrowing, the Applicable Margin is 0.75% to 1.75%. The Applicable Margin is based on the Company's ratio of consolidated indebtedness to consolidated EBITDA. Additionally, the Credit facility is subject to certain covenants, including those relating to minimum interest coverage and maximum leverage ratios. As of June 30, 2016, the Company was in compliance with all financial covenants under the Credit Facility.

The Company's Yen denominated line of credit is a 500 million Yen (\$4.9 million) facility. The Yen line of credit was extended in September 2015 through August 2020 on substantially the same terms. The interest rate equal to LIBOR, as defined in the loan agreement, plus 0.625% to 1.50%. At June 30, 2016 the Company had 300 million yen outstanding under the line of credit. Additionally, the facility is subject to certain covenants, including those relating to minimum interest coverage and maximum leverage ratios. As of June 30, 2016, the Company had \$2.9 million outstanding and was in compliance with all financial covenants under its Yen facility.

The Company had aggregate availability of \$37.7 million and \$116.6 million under its lines of credit as of June 30, 2016 and 2015, respectively. The amounts available under the Company's lines of credit are reduced by outstanding letters of credit. As of June 30, 2016 and 2015, total outstanding letters of credit supported by the credit facilities were \$1.2 million and \$1.5 million, respectively.

The weighted-average interest rate of total borrowings for each of the years ended June 30, 2016 and 2015 was 1.6% and 1.8%, respectively. The weighted-average of total borrowings for the fiscal years ended June 30, 2016 and 2015 was \$193.7 million and \$210.0 million, respectively.

The Company has a line of credit facility with a Singapore bank which permits maximum borrowings in the local currency of approximately \$0.6 million and \$0.3 million for the fiscal years ended June 30, 2016 and 2015. Borrowings are payable upon demand with interest charged at the rate of 1.00% above the bank's prevailing prime lending rate. The interest rate was 5.25% at June 30, 2016 and June 30, 2015. At June 30, 2016 and 2015, there were no outstanding borrowings under this facility. The Company had \$0.2 million of letters of credit supported by the Singapore line of credit facility as of June 30, 2016 and 2015.

There are no interim maturities or minimum payment requirements related to the credit facilities before their respective expiration dates. Interest and commitment fees paid during the fiscal year ended June 30, 2016, 2015 and 2014 were \$3.1 million and \$4.0 million and \$4.2 million, respectively.

Remaining annual principal payments under the Company's existing credit facilities as of June 30, 2016 were as follows (\$000):

			U.S. Dollar	
	Term	Yen Line of Credit	Line of Credit	Total
Period	Loan			
Year 1	\$20,000	\$-	\$-	\$20,000
Year 2	20,000	-	-	20,000
Year 3	5,000	-	188,000	193,000
Year 4	-	-	-	-
Year 5	-	2,917	-	2,917
Thereafter	-	-	-	-
Total	\$45,000	\$2,917	\$188,000	\$235,917

#### Note 7. Income Taxes

The components of earnings (losses) from continuing operations before income taxes were as follows:

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Year Ended June 30, (\$000)	2016	2015	2014
U.S. loss	\$(5,809 )	\$(5,326 )	\$(2,863 )
Non-U.S. income	95,764	84,438	48,504
Earnings from continuing operations before income taxes	\$89,955	\$79,112	\$45,641

The components of income tax expense from continuing operations were as follows:

Year Ended June 30, (\$000)	2016	2015	2014
Current:			
Federal	\$3,704	\$(146 )	\$(1,067 )
State	5	86	152
Foreign	19,783	16,978	12,675
Total Current	\$23,492	\$16,918	\$11,760
Deferred:			
Federal	\$2,759	\$(2,762 )	\$(16 )
State	1,302	(251 )	148
Foreign	(3,084 )	(768 )	(4,567 )
Total Deferred	\$977	\$(3,781 )	\$(4,435 )
Total Income Tax Expense	\$24,469	\$13,137	\$7,325

Principal items comprising deferred income taxes were as follows:

June 30, (\$000)	2016	2015
Deferred income tax assets		
Inventory capitalization	\$6,814	\$6,614
Non-deductible accruals	2,212	1,902
Accrued employee benefits	15,543	10,297
Net-operating loss and credit carryforwards	43,516	22,232
Share-based compensation expense	11,693	13,222
Other	1,770	1,468
Valuation allowances	(42,641)	(2,713 )
Total deferred income tax assets	\$38,907	\$53,022
Deferred income tax liabilities		
Tax over book accumulated depreciation	\$(9,759 )	\$(15,937)
Intangible assets	(29,628)	(25,132)
Tax on unremitted earnings	(797 )	(1,753 )
Other	(1,978 )	(2,520 )
Total deferred income tax liabilities	\$(42,162)	\$(45,342)
Net deferred income taxes	\$(3,255 )	\$7,680

The reconciliation of income tax expense at the statutory federal rate to the reported income tax expense is as follows:

Year Ended June 30, (\$000)	2016	%	2015	%	2014	%
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Taxes at statutory rate	\$31,484	35	\$27,689	35	\$15,974	35
Increase (decrease) in taxes resulting from:						
State income taxes-net of federal benefit	864	1	(196 )	-	254	1
Taxes on non U.S. earnings	(13,860)	(15)	(11,687)	(15)	(6,672 )	(15)
Valuation allowance	8,464	9	678	1	(595 )	(1 )
Research and manufacturing incentive deductions	(3,074 )	(3 )	(2,573 )	(3 )	(2,190 )	(5 )
Other	591	-	(774 )	(1 )	554	1
	\$24,469	27	\$13,137	17	\$7,325	16

During the fiscal years ended June 30, 2016, 2015, and 2014, net cash paid by the Company for income taxes was \$18.5 million, \$13.0 million, and \$17.2 million, respectively.

Our foreign subsidiaries in the Philippines operate under various tax holiday arrangements. The benefits of such arrangements phase out through the fiscal year ended June 30, 2019. The impact of the tax holidays on our effective rate is a reduction in the rate of 0.37%, 0.22% and 0.12% for the fiscal years ended June 30, 2016, 2015 and 2014, respectively.

The cumulative amount of the Company's foreign undistributed net earnings for which no deferred taxes have been provided was approximately \$479 million at June 30, 2016. If the earnings of such foreign subsidiaries were not indefinitely reinvested, an additional deferred tax liability of approximately \$89 million would have been required as of June 30, 2016. It is the Company's intention to permanently reinvest substantially all of its undistributed earnings of its foreign subsidiaries; therefore, no provision has been made for future income taxes on the undistributed earnings of the majority of foreign subsidiaries, as they are considered indefinitely reinvested. The Company has provided a deferred tax liability for future income taxes on the earnings of certain foreign subsidiaries as these earnings are planned to be repatriated.

The Company has the following gross operating loss carryforwards and tax credit carryforwards as of June 30, 2016:

Type (\$000)	Amount	Expiration Date
Tax credit carryforwards:		
Federal research and development credits	\$8,479	June 2019-June 2036
Foreign tax credits	2,594	June 2024-June 2026
State tax credits	3,218	June 2017-June 2036
Operating loss carryforwards:		
Loss carryforwards - federal	\$93,081	June 2021-June 2036
Loss carryforwards - state	48,934	June 2017-June 2036
Loss carryforwards - foreign	2,049	June 2017-June 2024

The Company has recorded a valuation allowance against the majority of the loss and credit carryforwards. The Company's federal loss carryforwards, federal research and development credit carryforwards, and certain state tax credits resulted from the Company's acquisitions of Photop, Aegis, M Cubed, EpiWorks, and ANADIGICS are subject to various annual limitations under Section 382 of the Internal Revenue Code.

Changes in the liability for unrecognized tax benefits for the fiscal years ended June 30, 2016, 2015 and 2014 were as follows:

	2016	2015	2014
(\$000)			
Balance at Beginning of Year	\$4,022	\$2,775	\$3,181
Increases in current year tax positions	2,146	2,450	298
Increases in prior year tax positions	190	203	2
Decreases in prior year tax positions	(67 )	-	-
Settlements	-	-	-
Expiration of statute of limitations	(732 )	(1,406)	(706 )
Balance at End of Year	\$5,559	\$4,022	\$2,775

The Company classifies all estimated and actual interest and penalties as income tax expense. During the fiscal years 2016 and 2014, there were no interest and penalties within income tax expense. During the fiscal year 2015, there was a benefit of \$0.1 million of interest and penalties within tax expense. The Company had \$0.1 million, \$0.1 million, and \$0.2 million of interest and penalties accrued at June 30, 2016, 2015, and 2014, respectively. The increase in the Company's current year tax positions are the result of certain unrecognized tax benefits associated with transfer

pricing. The Company has classified the uncertain tax positions as non-current income tax liabilities as the amounts are not expected to be paid within one year. Including tax positions for which the Company determined that the tax position would not meet the more likely than not recognition threshold upon examination by the tax authorities based upon the technical merits of the position, the total estimated unrecognized tax benefit that, if recognized, would affect our effective tax rate was approximately \$4.6 million and \$3.6 million at June 30, 2016 and 2015, respectively. The Company expects a decrease of \$0.3 million of unrecognized tax benefits during the next twelve months due to the expiration of statutes of limitation.

Fiscal years 2013 to 2016 remain open to examination by the Internal Revenue Service, fiscal years 2011 to 2016 remain open to examination by certain state jurisdictions, and fiscal years 2007 to 2016 remain open to examination by certain foreign taxing jurisdictions. The Company's fiscal years 2011 and 2012 California and fiscal years 2012 through 2015 New Jersey state income tax returns are currently under examination. The Company's Vietnam subsidiary has been notified of an examination to start in fiscal year 2017.

## Note 8. Earnings Per Share

The following table sets forth the computation of earnings per share for the periods indicated. Weighted-average shares issuable upon the exercise of stock options that were not included in the calculation were 153,000, 576,000 and 507,000 for the fiscal years ended June 30, 2016, 2015 and 2014, respectively, because they were anti-dilutive.

Year Ended June 30, (\$000 except per share)	2016	2015	2014
Earnings from continuing operations	\$65,486	\$65,975	\$38,316
Earnings from discontinued operation	-	-	133
Net earnings from continuing operations	\$65,486	\$65,975	\$38,449
Divided by:			
Weighted average shares	61,366	61,219	62,248
Basic earnings per common share:			
Continuing operations	\$1.07	\$1.08	\$0.62
Discontinued operation	\$-	\$-	\$-
Consolidated	\$1.07	\$1.08	\$0.62
Earnings from continuing operations	\$65,486	\$65,975	\$38,316
Earnings from discontinued operation	-	-	133
Net earnings from continuing operations	\$65,486	\$65,975	\$38,449
Divided by:			
Weighted average shares	61,366	61,219	62,248
Dilutive effect of common stock equivalents	1,543	1,367	1,438
Diluted weighted average common shares	62,909	62,586	63,686
Diluted earnings per common share:			
Continuing operations	\$1.04	\$1.05	\$0.60
Discontinued operation	\$-	\$-	\$-
Consolidated	\$1.04	\$1.05	\$0.60

## Note 9. Operating Leases

The Company leases certain property under operating leases that expire at various dates. Future rental commitments applicable to the operating leases at June 30, 2016 are as follows:

Year Ending June 30, (\$000)	
2017	\$13,166
2018	10,301
2019	8,622



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2020	7,610
2021	5,071
Thereafter	22,403

Rent expense was approximately \$14.2 million, \$15.0 million, and \$13.6 million for the fiscal years ended June 30, 2016, 2015 and 2014, respectively.

Note 10. Share-Based Compensation Plans

The Company's Board of Directors adopted the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan (the "Plan") which was approved by the shareholders at the Annual Meeting in November 2014. The Plan provides for the grant of non-qualified stock options, stock appreciation rights, restricted shares, restricted share units, deferred shares, performance shares and performance share units to employees, officers and directors of the Company. The maximum number of shares of the Company's Common Stock authorized for issuance under the Plan is limited to 4,900,000 shares of Common Stock, not including any remaining shares forfeited under the predecessor plans that may be rolled into the Plan. The Plan has vesting provisions predicated upon the death, retirement or

disability of the grantee. As of June 30, 2016, there were approximately 2,805,911 shares available to be issued under the Plan, including forfeited shares from predecessor plans.

The Company records share-based compensation expense for these awards which requires the recognition of the grant-date fair value of share-based compensation in net earnings. The Company recognizes the share-based compensation expense over the requisite service period of the individual grantees, which generally equals the vesting period. The Company accounts for cash-based stock appreciation rights, cash-based restricted share unit awards and cash-based performance share unit awards as liability awards, in accordance with applicable accounting standards.

Share-based compensation expense for the fiscal years ended June 30, 2016, 2015 and 2014 is as follows (\$000):

Year Ended June 30,	2016	2015	2014
Stock Options and Cash-Based Stock Appreciation Rights	\$4,309	\$5,158	\$5,818
Restricted Share Awards and Cash-Based Restricted Share Unit Awards	4,401	5,182	4,868
Performance Share Awards and Cash-Based Performance Share Unit Awards	2,196	2,649	2,311
	\$10,906	\$12,989	\$12,997

The share-based compensation expense is allocated approximately 20% to cost of goods sold and 80% to selling, general and administrative expense in the Consolidated Statements of Earnings, based on the employee classification of the grantees. Share-based compensation expense associated with liability awards was \$1.2 million in fiscal year 2016 and \$1.6 million in both fiscal years 2015 and 2014.

#### Stock Options and Cash-Based Stock Appreciation Rights:

The Company utilized the Black-Scholes valuation model for estimating the fair value of stock option expense. During the fiscal years ended June 30, 2016, 2015 and 2014, the weighted-average fair value of options granted under the stock option plan was \$7.35, \$5.76 and \$8.21, respectively, per option using the following assumptions:

Year Ended June 30,	2016	2015	2014
Risk-free interest rate	1.68 %	1.71 %	1.71 %
Expected volatility	38 %	41 %	47 %
	6.43	5.94	5.56
Expected life of options	years	years	years
Dividend yield	None	None	None

The risk-free interest rate is derived from the average U.S. Treasury Note rate during the period, which approximates the rate in effect at the time of grant related to the expected life of the options. The risk-free interest rate shown above is the weighted average rate for all options granted during the fiscal year. Expected volatility is based on the historical volatility of the Company's Common Stock over the period commensurate with the expected life of the options. The expected life calculation is based on the observed time to post-vesting exercise and/or forfeitures of options by our employees. The dividend yield of zero is based on the fact that the Company has never paid cash dividends and has no current intention to pay cash dividends in the future. The estimated annualized forfeitures are based on the Company's historical experience of option pre-vesting cancellations and are estimated at a rate of 17.43%. The Company will

record additional expense in future periods if the actual forfeiture rate is lower than estimated, and will adjust expense in future periods if the actual forfeitures are higher than estimated.

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Stock option and cash-based stock appreciation rights activity during the fiscal year ended June 30, 2016 was as follows:

	Stock Options		Cash-Based Stock Appreciation Rights	
	Number of Shares	Weighted Average Exercise Price	Number of Rights	Weighted Average Exercise Price
Outstanding - July 1, 2015	4,564,824	\$ 16.54	167,172	\$ 16.80
Granted	686,100	\$ 18.20	51,400	\$ 17.96
Exercised	(700,816 )	\$ 13.77	(15,330 )	\$ 17.10
Forfeited and Expired	(298,182 )	\$ 18.11	(25,008 )	\$ 16.59
Outstanding - June 30, 2016	4,251,926	\$ 17.15	178,234	\$ 17.13
Exercisable - June 30, 2016	2,613,008	\$ 17.14	41,192	\$ 17.84

As of June 30, 2016, 2015 and 2014, the aggregate intrinsic value of stock options and cash-based stock appreciation rights outstanding and exercisable was \$10.1 million, \$14.3 million and \$5.2 million, respectively. Aggregate intrinsic value represents the total pretax intrinsic value (the difference between the Company's closing stock price on the last trading day of the year ended June 30, 2016, and the option's exercise price, multiplied by the number of in-the-money options) that would have been received by the option holders had all option holders exercised their options on June 30, 2016. This amount varies based on the fair market value of the Company's stock. The total intrinsic value of stock options and cash-based stock appreciation rights exercised during the fiscal years ended June 30, 2016, 2015, and 2014 was \$4.5 million, \$2.9 million, and \$3.1 million, respectively. As of June 30, 2016, total unrecognized compensation cost related to non-vested stock options and cash-based stock appreciation rights was \$7.2 million. This cost is expected to be recognized over a weighted-average period of approximately three years. Outstanding and exercisable stock options at June 30, 2016 were as follows:

Range of Exercise Prices	Stock Options and Cash-Based Stock Appreciation Rights Outstanding			Stock Options and Cash-Based Stock Appreciation Rights Exercisable		
	Shares or Rights	Weighted Average Remaining Contractual Term (Years)	Weighted Average Exercise Price	Shares or Rights	Weighted Average Remaining Contractual Term (Years)	Weighted Average Exercise Price
\$10.04 - \$15.38	1,418,876	5.14	\$ 13.09	890,384	3.39	\$ 12.54
\$15.41 - \$23.45	2,528,354	6.48	\$ 18.19	1,284,294	4.97	\$ 17.92
\$23.49 - \$27.18	482,930	2.27	\$ 23.67	479,522	2.25	\$ 23.65
	4,430,160	5.59	\$ 17.15	2,654,200	\$ 3.95	\$ 17.15

Restricted Share Awards and Cash-Based Restricted Share Unit Awards:

Restricted share awards and cash-based restricted share unit awards compensation expense was calculated based on the number of shares or units expected to be earned by the grantee multiplied by the stock price at the date of grant (for restricted share awards) or the stock price at the period end date (for cash-based restricted share unit awards), and is being recognized over the vesting period. Generally, the restricted share awards and restricted share unit awards have a three year cliff-vesting provision and an estimated forfeiture rate of 12.0%.

Restricted share and cash-based restricted share unit activity during the fiscal year ended June 30, 2016, was as follows:

	Restricted Share Awards		Cash-Based Restricted Share Units	
	Number of Shares	Weighted Average Grant Date Fair Value	Number of Units	Weighted Average Grant Date Fair Value
Nonvested - June 30, 2015	791,010	\$ 16.94	98,995	\$ 16.57
Granted	298,740	\$ 18.74	40,945	\$ 17.97
Vested	(283,345)	\$ 18.47	(23,845)	\$ 18.81
Forfeited	(45,490)	\$ 17.08	(10,160)	\$ 15.85
Nonvested - June 30, 2016	760,915	\$ 17.49	105,935	\$ 16.67

As of June 30, 2016, total unrecognized compensation cost related to non-vested restricted share and cash-based restricted share unit awards was \$6.4 million. This cost is expected to be recognized over a weighted-average period of approximately two years. The

restricted share compensation expense was calculated based on the number of shares expected to be earned multiplied by the stock price at the date of grant and is being recognized over the vesting period. The cash-based restricted share unit compensation expense was calculated based on the number of shares expected to be earned multiplied by the stock price at the period-end date and is being recognized over the vesting period. The total fair value of the restricted share and cash-based restricted share unit awards granted during the years ended June 30, 2016, 2015 and 2014, was \$6.3 million, \$5.9 million and \$4.5 million, respectively. The total fair value of restricted shares vested was \$5.5 million, \$5.1 million and \$3.8 million during fiscal years 2016, 2015 and 2014, respectively.

#### Performance Share Awards and Cash-Based Performance Share Unit Awards:

The Compensation Committee of the Board of Directors of the Company has granted certain executive officers and employees performance share awards and performance share unit awards under the Plan. As of June 30, 2016, the Company had outstanding grants covering performance periods ranging from 24 to 36 months. These awards are intended to provide continuing emphasis on specified financial performance goals that the Company considers important contributors to the creation of long-term shareholder value. These awards are payable only if the Company achieves specified levels of financial performance during the performance periods.

The performance share compensation expense was calculated based on the number of shares expected to be earned multiplied by the stock price at the date of grant, and is being recognized over the vesting period. The cash-based performance share unit compensation expense was calculated based on the number of shares expected to be earned multiplied by the stock price at the period-end date, and is being recognized over the vesting period. Performance share and cash-based performance share unit award activity relating to the plan during the year ended June 30, 2016, was as follows:

	Performance Share Awards		Cash-Based Performance Share Units	
	Number of	Weighted Average Grant Date Fair Value	Number of	Weighted Average Grant Date Fair Value
	Shares	Value	Units	Value
Nonvested - June 30, 2015	307,445	\$ 15.99	101,434	\$ 18.52
Granted	127,730	\$ 17.84	7,329	\$ 17.84
Vested	(83,842 )	\$ 17.90	(1,907 )	\$ 17.84
Forfeited	(57,792 )	\$ 16.65	(8,197 )	\$ 18.95
Nonvested - June 30, 2016	293,541	\$ 16.12	98,659	\$ 18.44

As of June 30, 2016, total unrecognized compensation cost related to non-vested performance share and cash-based performance share unit awards was \$1.7 million. This cost is expected to be recognized over a weighted-average period of approximately one year. The total fair value of the performance share and cash-based performance share unit awards granted during the fiscal years ended June 30, 2016, 2015 and 2014 was \$2.4 million, \$2.3 million and \$2.1 million, respectively. The total fair value of performance shares vested during the fiscal years ended June 30, 2016, 2015 and 2014 was \$1.5 million, \$1.6 million and \$1.3 million, respectively.

For our relative Total Shareholder Return, or TSR, performance-based awards, which are based on market performance of our stock as compared to the Russel 2000 Index, the compensation cost is recognized over the performance period on a straight-line basis net of forfeitures, because the awards vest only at the end of the measurement period and the probability of actual shares expected to be earned is considered in the grant date valuation. As a result, the expense is not adjusted to reflect the actual shares earned. We estimate the fair value of the TSR performance-based awards using the Monte-Carlo simulation model.

#### Note 11. Segment and Geographic Reporting

The Company reports its business segments using the “management approach” model for segment reporting. This means that the Company determines its reportable business segments based on the way the chief operating decision maker organizes business segments within the Company for making operating decisions and assessing performance.

The Company reports its financial results in the following three segments: (i) II-VI Laser Solutions, (ii) II-VI Photonics, and (iii) II-VI Performance Products, and the Company’s chief operating decision maker receives and reviews financial information based on these segments. The Company evaluates business segment performance based upon segment operating income, which is defined as earnings before income taxes, interest and other income or expense. The segments are managed separately due to the market, production requirements and facilities unique to each segment.

The II-VI Laser Solutions segment is located in the U.S., Singapore, China, Germany, Switzerland, Japan, Belgium, the U.K., Italy, South Korea and the Philippines. II-VI Laser Solutions is directed by the President of II-VI Laser Solutions, while each geographic location is directed by a general manager, and is further divided into production and administrative units that are directed by managers. II-VI Laser Solutions designs, manufactures and markets optical and electro-optical components and materials sold under the II-VI

Infrared brand name and used primarily in high-power CO<sub>2</sub> lasers, fiber-delivered beam delivery systems and processing tools and direct diode lasers for industrial lasers sold under the II-VI HIGHYAG and II-VI Laser Enterprise brand names. II-VI Laser Solutions also manufactures compound semiconductor epitaxial wafers for applications in optical components, wireless devices, and high-speed communication systems and manufactures 6-inch gallium arsenide wafers allowing for the production of high performance lasers and integrated circuits in high volume sold under the II-VI EpiWorks and II-VI OptoElectronic Devices Division brand names.

The II-VI Photonics segment is located in the U.S., China, Vietnam, Germany, Japan, the U.K., Italy and Hong Kong. II-VI Photonics is directed by the President of II-VI Photonics and is further divided into production and administrative units that are directed by managers. II-VI Photonics manufactures crystal materials, optics, microchip lasers and optoelectronic modules for use in optical communication networks and other diverse consumer and commercial applications. In addition, the segment also manufactures pump lasers, and optical amplifiers and micro-optics for optical amplifiers for both terrestrial and submarine applications within the optical communications market.

The II-VI Performance Products segment is located in the U.S., Vietnam, Japan, China, Germany and the Philippines. II-VI Performance Products is directed by the President of II-VI Performance Products, while each geographic location is directed by a general manager. II-VI Performance Products is further divided into production and administrative units that are directed by managers. II-VI Performance Products designs, manufactures and markets infrared optical components and high-precision optical assemblies for military, medical and commercial laser imaging applications. In addition, the segment designs, manufactures and markets unique engineered materials for thermoelectric and silicon carbide applications servicing the semiconductor, military and medical markets.

On February 1, 2016, the Company completed its acquisition of EpiWorks. On March 15, 2016, the Company completed its acquisition of ANADIGICS. On June 3, 2016, the Company sold the RF business and related assets of ANADIGICS. See Note 2. Acquisitions/Divestiture. The operating results of these acquisitions have been reflected in the selected financial information of the Company's II-VI Laser Solutions segment since the respective dates of acquisition.

The accounting policies of the segments are the same as those of the Company. The Company's corporate expenses are allocated to the segments. The Company evaluates segment performance based upon reported segment operating income, which is defined as earnings from continuing operations before income taxes, interest and other income or expense. Inter-segment sales and transfers have been eliminated.

The following tables summarize selected financial information of the Company's operations by segment:

	II-VI Laser Solutions	II-VI Photonics	II-VI Performance Products	Eliminations	Total
(\$000)					
2016					
Revenues	\$303,002	\$325,879	\$198,335	\$-	\$827,216
Inter-segment revenues	24,290	12,081	7,274	(43,645)	-
Operating income	36,184	37,849	17,780	-	91,813
Interest expense	-	-	-	-	(3,081)
Other income, net	-	-	-	-	1,223
Income taxes	-	-	-	-	(24,469)



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Net earnings	-	-	-	-	65,486
Depreciation and amortization	17,222	19,855	19,586	-	56,663
Expenditures for property, plant & equipment	25,620	21,096	11,454	-	58,170
Segment assets	470,364	467,486	274,741	-	1,212,591
Equity investment	-	-	11,354	-	11,354
Goodwill	84,105	96,760	52,890	-	233,755

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	II-VI Laser Solutions	II-VI Photonics	II-VI Performance Products	Eliminations	Total
(\$000)					
2015					
Revenues	\$287,881	\$260,825	\$193,255	\$-	\$741,961
Inter-segment revenues	21,021	13,210	9,325	(43,556)	-
Operating income	55,039	7,208	14,552	-	76,799
Interest expense	-	-	-	-	(3,863)
Other income, net	-	-	-	-	6,176
Income taxes	-	-	-	-	(13,137)
Net earnings	-	-	-	-	65,975
Depreciation and amortization	14,127	21,073	17,883	-	53,083
Expenditures for property, plant & equipment	27,349	11,324	13,640	-	52,313
Segment assets	330,308	450,763	277,093	-	1,058,164
Equity investment	-	-	11,914	-	11,914
Goodwill	43,578	99,426	52,890	-	195,894

	II-VI Laser Solutions	II-VI Photonics	II-VI Performance Products	Eliminations	Total
(\$000)					
2014					
Revenues	\$254,342	\$216,493	\$212,426	\$-	\$683,261
Inter-segment revenues	9,825	9,533	12,000	(31,358)	-
Operating income (loss)	24,457	(113)	22,142	-	46,486
Interest expense	-	-	-	-	(4,479)
Other income, net	-	-	-	-	3,634
Income taxes	-	-	-	-	(7,325)
Loss from discontinued operation	-	-	-	-	133
Net earnings	-	-	-	-	38,449
Depreciation and amortization	15,018	20,123	17,957	-	53,098
Expenditures for property, plant & equipment	11,797	8,359	9,064	-	29,220

Geographic information for revenues from the country of origin (shipped from), and long-lived assets from the country of origin, which include property, plant and equipment, net of related depreciation, and certain other long-term assets, were as follows:

Year Ended June 30, (\$000)	Revenues		
	2016	2015	2014
United States	\$266,347	\$241,974	\$263,493
Non-United States			
China	172,292	140,586	114,247
Hong Kong	140,821	109,428	54,602

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Germany	72,070	77,524	69,983
Japan	57,287	52,864	38,110
Switzerland	54,760	56,940	70,260
Vietnam	24,267	24,307	23,141
Italy	10,160	9,313	8,897
United Kingdom	8,154	7,749	7,148
Philippines	8,106	11,334	14,959
Belgium	6,026	5,731	6,578
Korea	3,887	-	-
Singapore	3,039	3,897	8,273
Australia	-	314	3,570
Total Non-United States	560,869	499,987	419,768
	\$827,216	\$741,961	\$683,261

June 30, (\$000)	Long-Lived Assets		
	2016	2015	2014
United States	\$137,521	\$102,171	\$109,138
Non-United States			
China	51,824	46,794	45,667
Switzerland	38,202	26,384	22,524
Germany	15,162	15,790	16,129
Vietnam	8,895	7,985	9,107
Philippines	4,399	6,003	6,205
Hong Kong	1,765	2,476	5,111
Other	1,146	1,282	2,218
Total Non-United States	121,393	106,714	106,961
	\$258,914	\$208,885	\$216,099

#### Note 12. Fair Value of Financial Instruments

The FASB defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous markets for the asset and liability in an orderly transaction between market participants at the measurement date. The Company estimates fair value of its financial instruments utilizing an established three-level hierarchy in accordance with U.S. GAAP. The hierarchy is based upon the transparency of inputs to the valuation of an asset or liability as of the measurement date as follows:

- Level 1 – Valuation is based upon unadjusted quoted prices for identical assets or liabilities in active markets.
- Level 2 – Valuation is based upon quoted prices for similar assets and liabilities in active markets, or other inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instruments.
- Level 3 – Valuation is based upon other unobservable inputs that are significant to the fair value measurements.

The classification of fair value measurements within the hierarchy is based upon the lowest level of input that is significant to the measurement. At June 30, 2016, the Company had foreign currency forward contracts recorded at fair value. The fair values of these instruments were measured using valuations based upon quoted prices for similar assets and liabilities in active markets (Level 2) and are valued by reference to similar financial instruments, adjusted for credit risk and restrictions and other terms specific to the contracts. The Company also had a contingent earnout arrangement which provides up to a maximum of \$6.0 million of additional cash earnout opportunities based upon EpiWorks achieving certain agreed upon financial and operational targets for capacity, wafer output and gross margin, which if earned would be payable for the achievement of each specific annual target over the next three years. The fair value of the contingent earnout arrangement was measured using valuations based upon other unobservable inputs that are significant to the fair value measurement (Level 3).

The following tables provide a summary by level of the fair value of financial instruments that are measured on a recurring basis as of June 30, 2016 and 2015 (\$000):

Fair Value Measurements at June 30, 2016  
Using:

Significant

	June 30, 2016	Quoted Prices in Active Markets for Identical Assets (Level 1)	Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
<b>Liabilities:</b>				
Foreign currency forward contracts	\$511	\$ -	\$ 511	\$ -
Contingent earnout arrangement	\$4,352	\$ -	\$ -	\$ 4,352

Fair Value Measurements at June 30, 2015

Using:

	Quoted Prices in Active Markets for Identical Assets	Significant Other Observable Inputs	Significant Unobservable Inputs
June 30, 2015	(Level 1)	(Level 2)	(Level 3)
<b>Assets:</b>			
Foreign currency forward contracts	\$ 130	\$ -	\$ 130
			\$ -

The Company's policy is to report transfers into and out of Levels 1 and 2 of the fair value hierarchy at fair values as of the beginning of the period in which the transfers occur. There were no transfers in and out of Levels 1 and 2 of the fair value hierarchy during fiscal years 2016 and 2015.

The following table presents a reconciliation of the beginning and ending fair value measurements of the Company's level 3 contingent earnout arrangement related to the acquisition of II-VI EpiWorks (\$000):

	Significant Unobservable Inputs (Level 3)
Balance at July 1, 2015	\$ -
Contingent earnout arrangement	4,352
Payments	-
Changes in fair value	-
Balance at June 30, 2016	\$ 4,352

The fair values of cash and cash equivalents are considered Level 1 among the fair value hierarchy and approximate fair value because of the short-term maturity of those instruments. The Company's borrowings are considered Level 2 among the fair value hierarchy and are variable interest rates and accordingly their carrying amounts approximate fair value.

Note 13. Derivative Instruments

The Company, from time to time, purchases foreign currency forward exchange contracts, primarily in Japanese Yen, that permit it to sell specified amounts of these foreign currencies expected to be received from its export sales for

pre-established U.S. dollar amounts at specified dates. These contracts are entered into to limit transactional exposure to changes in currency exchange rates of export sales transactions in which settlement will occur in future periods and which otherwise would expose the Company, on the basis of its aggregate net cash flows in respective currencies, to foreign currency risk.

The Company has recorded the fair market value of these contracts in the Company's financial statements. These contracts had a total notional amount of \$9.2 million and \$10.8 million at June 30, 2016 and June 30, 2015, respectively. As of June 30, 2016, these forward contracts had expiration dates ranging from July 2016 through October 2016, with Japanese Yen denominations individually between 200 million and 300 million Yen. The Company does not account for these contracts as hedges as defined by U.S. GAAP and records the change in the fair value of these contracts in Other expense (income), net in the Consolidated Statements of Earnings as they occur. The fair value measurement takes into consideration foreign currency rates and the current creditworthiness of the counterparties to these contracts, as applicable, and is based upon quoted prices for similar assets and liabilities in active markets, or other inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instruments and thus represents a Level 2 measurement. These contracts are recorded in other accrued liabilities in the Company's Consolidated Balance Sheets. The change in the fair value of these contracts for the fiscal years ended June 30, 2016, 2015 and 2014 was insignificant.

#### Note 14. Employee Benefit Plans

Eligible U.S. employees of the Company participate in a profit sharing retirement plan. Contributions accrued for the plan are made at the discretion of the Company's board of directors and were \$3.4 million, \$2.8 million, and \$2.5 million for the years ended June 30, 2016, 2015 and 2014, respectively.

The Company has an employee stock purchase plan available for employees who have completed six months of continuous employment with the Company. The employee may purchase the Company's Common Stock at 5% below the prevailing market price. The amount of shares which may be bought by an employee during each fiscal year is limited to 10% of the employee's base pay. This plan, as amended, limits the number of shares of Common Stock available for purchase to 1,600,000 shares. There were 492,913 and 514,031 shares of Common Stock available for purchase under the plan at June 30, 2016 and 2015, respectively.

#### Switzerland Defined Benefit Plan

In conjunction with the acquisition of II-VI Laser Enterprise in fiscal year 2014, the Company assumed a pension plan covering employees of our Swiss subsidiary (the "Swiss Plan"). Employer and employee contributions are made to the Swiss Plan based on various percentages of salary and wages that vary according to employee age and other factors. Employer contributions to the Swiss Plan for year ended June 30, 2016 were \$2.0 million. Expected employer contributions in fiscal year 2017 are \$2.5 million.

The funded status of the Swiss Plan in the fiscal years ended June 30, 2016 and 2015 were as follows:

Year Ended June 30,	2016	2015
Change in projected benefit obligation:		
Projected benefit obligation, beginning of period	\$42,575	\$39,390
Service cost	2,680	2,791
Interest cost	434	744
Participant contributions	1,046	965
Benefits received (paid)	1,567	(1,279 )
Actuarial loss on obligation	8,071	1,520
Currency translation adjustment	(2,279 )	(1,556 )
Projected benefit obligation, end of period	\$54,094	\$42,575
Change in plan assets:		
Plan assets at fair value, beginning of period	32,509	31,965
Actual return on plan assets	431	207
Employer contributions	2,043	1,914
Participant contributions	1,046	965
Benefits received (paid)	1,567	(1,279 )
Currency translation adjustment	(1,739 )	(1,263 )
Plan assets at fair value, end of period	\$35,857	\$32,509
Amounts recognized in consolidated balance sheets:		
Other non-current assets:		
Deferred tax asset	\$3,857	\$2,129
Other non-current liabilities:		
Underfunded pension liability	\$18,237	10,066
Amounts recognized in accumulated other comprehensive		
income, net of tax:		
Pension adjustment	\$(7,031 )	\$(2,244 )
Accumulated benefit obligation, end of period	\$50,772	\$38,734

Net periodic pension cost associated with the Swiss Plan included the following components:



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Year Ended June 30,	2016	2015
Service cost	2,680	\$2,791
Interest cost	434	744
Expected return on plan assets	(1,097)	(1,106)
Net period pension cost	\$2,017	\$2,429

The projected and accumulated benefit obligations for the Swiss Plan were calculated as of June 30, 2016 and 2015 using the following assumptions:

Year Ended June 30,	2016	2015
Discount rate	0.3 %	1.1 %
Salary increase rate	2.0 %	2.0 %
Expected return on plan assets	2.0 %	3.5 %
Expected average remaining working life (in years)	10.2	13.1

The discount rate is based on assumed pension benefit maturity and estimates developed using the rate of return and yield curves for high quality Swiss corporate and government bonds. The fiscal year 2016 decrease in the discount rate was a result of a decrease in the yield on the 20-year Swiss government bond. As a result of the decrease in the Swiss Plan's discount rate utilized in the current fiscal year the underfunded pension liability increased from the \$10.1 million at the beginning of the fiscal year to \$18.2 million at June 30, 2016. The salary increase rate is based on our best assessment for on-going increases over time. The expected long-term rate of return on plan assets is based on the expected asset allocation and taking into consideration historical long-term rates of return for the relevant asset categories.

As is customary with Swiss pension plans, the assets of the plan are invested in a collective fund with multiple employers. We have no investment authority over the assets of the plan that are held and invested by a Swiss insurance company. The Swiss Plan assets are measured at fair value and are classified within Level 2 of the fair value hierarchy. The investment strategy of the Swiss Plan is managed by an independent asset manager with the objective of achieving a consistent long-term return which will provide sufficient funding for future pension obligations while limiting risk.

The Swiss Plan is legally separate from II-VI, as are the assets of the plan. As of June 30, 2016, the Swiss Plan's asset allocation was as follows:

Year Ended June 30,	2016	2015
Fixed income investments	15.0 %	22.0 %
Equity investments	51.0 %	52.0 %
Real estate	28.0 %	16.0 %
Cash	3.0 %	8.0 %
Alternative investments	3.0 %	2.0 %
	100.0 %	100.0 %

Estimated future benefit payments under the Swiss Plan are estimated to be as follows:

Year Ending June 30, (\$000)	
2017	\$2,521
2018	1,419
2019	3,661
2020	1,312
2021	2,222

Next five years	16,549
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### Other Employee Benefit Plans

The Company has no program for post-retirement health and welfare benefits.

The II-VI Incorporated Deferred Compensation Plan (the “Compensation Plan”) is designed to allow officers and key employees of the Company to defer receipt of compensation into a trust fund for retirement purposes. Under the Compensation Plan, as it is currently implemented by the Company, eligible participants can elect to defer up to 100% of certain discretionary incentive compensation and certain equity awards into the Compensation Plan. The Compensation Plan is a nonqualified, defined contribution employees’ retirement plan. At the Company’s discretion, the Compensation Plan may be funded by the Company making contributions based on compensation deferrals, matching contributions and discretionary contributions. Compensation deferrals will be based on an election by the participant to defer a percentage of compensation under the Compensation Plan. All assets in the Compensation Plan are subject to claims of the Company’s creditors until such amounts are paid to the Compensation Plan participants. Employees of the Company made contributions to the Compensation Plan in the amounts of approximately \$1.2 million,

\$0.7 million, and \$1.9 million for the fiscal years ended June 30, 2016, 2015, and 2014, respectively. There were no employer contributions made to the Compensation Plan for the fiscal years ended June 30, 2016, 2015 and 2014.

#### Note 15. Other Accrued Liabilities

The components of other accrued liabilities were as follows:

Year Ended June 30, (\$000)	2016	2015
Deferred revenue	\$4,014	\$8,767
Warranty reserve	3,908	3,251
Current portion of earnout arrangement	1,935	-
Other accrued liabilities	15,989	12,558
	\$25,846	\$24,576

The following table summarizes the change in the carrying value of the Company's warranty reserve included in Other Accrued Liabilities as of and for the year ended June 30, 2016.

Year Ended June 30, (\$000)	2016
Balance-Beginning of Year	\$3,251
Settlements during the period	(4,073)
Additional warranty liability recorded	4,730
Balance-End of Year	\$3,908

#### Note 16. Commitments and Contingencies

The Company has purchase commitments for materials and supplies as part of the ordinary conduct of business. A portion of the commitments are long-term and are based on minimum purchase requirements. Certain short-term raw material purchase commitments have a variable price component which is based on market pricing at the time of purchase. Due to the proprietary nature of some of the Company's materials and processes, certain contracts may contain penalty provisions for early termination. The Company does not believe that a significant amount of penalties are reasonably likely to be incurred under these commitments based upon historical experience and current expectation. Total future commitments are as follows:

Year Ending June 30, (\$000)	
2017	\$23,382
2018	2,065
2019	2,065
2020	-

Note 17. Share Repurchase Programs

In August 2014, the Board of Directors authorized the Company to purchase up to \$50 million of its Common Stock. The repurchase program has no expiration and calls for shares to be purchased in the open market or in private transactions from time to time. Shares purchased by the Company will be retained as treasury stock and available for general corporate purposes. During the fiscal years ended June 30, 2016 and 2015, the Company purchased 380,538 and 936,049 shares of its Common Stock for \$6.3 million and \$12.7 million respectively, under this repurchase program.

## Note 18. Accumulated Other Comprehensive Income (Loss)

The changes in accumulated other comprehensive income (“AOCI”) by component, net of tax, for the years ended June 30, 2016, 2015, and 2014 were as follows (\$000):

	Foreign Currency Translation Adjustment	Defined Benefit Pension Plan	Total Accumulated Other Comprehensive Income
AOCI - June 30, 2013	\$ 15,600	\$-	\$ 15,600
Other comprehensive income (loss) before reclassifications	2,363	1,443	3,806
Amounts reclassified from AOCI	-	-	-
Net current-period other comprehensive income	2,363	1,443	3,806
AOCI - June 30, 2014	17,963	1,443	19,406
Other comprehensive income (loss) before reclassifications	(8,497 )	(2,244 )	(10,741 )
Amounts reclassified from AOCI	-	-	-
Net current-period other comprehensive income	(8,497 )	(2,244 )	(10,741 )
AOCI - June 30, 2015	\$ 9,466	\$(801 )	\$ 8,665
Other comprehensive income (loss) before reclassifications	(15,651 )	(6,805 )	(22,456 )
Amounts reclassified from AOCI	-	(226 )	(226 )
Net current-period other comprehensive income	(15,651 )	(7,031 )	(22,682 )
AOCI - June 30, 2016	\$(6,185 )	\$(7,832 )	\$(14,017 )

## Note 19. Subsequent Events

On July 28, 2016, the Company entered into a Third Amended and Restated Credit Agreement (the “Amended Credit Facility”) which amended the related existing credit facility. The Amended Credit Facility provides for a revolving credit facility of \$325 million (increased from \$225 million), as well as a \$100 million term loan, which mature, on July 27, 2021. The term loan is to be re-paid in quarterly principal payments commencing in October 2016, with any remaining principal due on the maturity date. The Amended Credit Facility is unsecured, but is guaranteed by each of the Company’s existing or subsequently acquired or organized wholly-owned domestic subsidiaries. The Company may request an increase to the size of the Amended Credit Facility in an aggregate additional amount not to exceed \$100.0 million. Amounts outstanding under the Amended Credit Facility bear interest at LIBOR plus 1.00% to 2.25% based on the Company’s ratio of consolidated indebtedness to consolidated EBITDA.

The Amended Credit Facility contains customary affirmative and negative covenants for credit facilities of this type, including limitations on the Company and its subsidiaries with respect to indebtedness, liens, investments, distributions, mergers and acquisitions, disposition of assets, repurchases of the Company’s common stock and transactions with affiliates. The covenants permit the Company to use proceeds of the Amended Credit Facility for the repayment of existing indebtedness, permitted acquisitions, working capital and capital expenditures and other lawful corporate purposes. The Amended Credit Facility also contains financial covenants that require the Company to maintain a minimum consolidated interest coverage ratio of 4.0 and a maximum consolidated leverage ratio of 3.25.



## Quarterly Financial Data (unaudited)

## Fiscal Year 2016

Quarter Ended	September 30, 2015	December 31, 2015	March 31, 2016	June 30, 2016
(\$000)				
2016				
Net revenues	\$ 189,207	\$ 191,434	\$ 205,105	\$ 241,470
Cost of goods sold	118,018	120,090	127,436	148,859
Internal research and development	13,151	12,155	14,946	20,102
Selling, general and administrative	36,310	37,408	43,333	43,595
Interest expense	649	597	769	1,066
Other expense (income) - net	(1,057 )	(994 )	1,257	(429 )
Earnings before income taxes	22,136	22,178	17,364	28,277
Income taxes	4,922	3,187	2,426	13,934
Net Earnings	\$ 17,214	\$ 18,991	\$ 14,938	\$ 14,343
Basic earnings per share:	\$0.28	\$0.31	\$0.24	\$0.23
Diluted earnings per share:	\$0.27	\$0.30	\$0.24	\$0.23

## Fiscal Year 2015

Quarter Ended	September 30, 2014	December 31, 2014	March 31, 2015	June 30, 2015
(\$000)				
2015				
Net revenues	\$ 185,833	\$ 176,736	\$ 182,709	\$ 196,683
Cost of goods sold	117,974	113,718	116,984	121,687
Internal research and development	12,943	12,845	12,874	12,598
Selling, general and administrative	35,520	33,642	35,192	39,185
Interest expense	1,204	1,038	844	777
Other expense (income) - net	1,682	(9,295 )	1,534	(97 )
Earnings before income taxes	16,510	24,788	15,281	22,533
Income taxes	4,208	2,692	773	5,464
Net Earnings	\$ 12,302	\$ 22,096	\$ 14,508	\$ 17,069
Basic earnings per share:	\$0.20	\$0.36	\$0.24	\$0.28



Diluted earnings per share:	\$ 0.20	\$ 0.35	\$ 0.23	\$ 0.27
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## SCHEDULE II

## II-VI INCORPORATED AND SUBSIDIARIES

## VALUATION AND QUALIFYING ACCOUNTS

YEARS ENDED JUNE 30, 2016, 2015, 2014 AND

(IN THOUSANDS OF DOLLARS)

	Balance at Beginning of Year	Additions Charged to Expense	Charged to Other Accounts	Deduction from Reserves	Balance at End of Year
<b>YEAR ENDED JUNE 30, 2016:</b>					
Allowance for doubtful accounts	\$ 1,048	\$ 1,123	\$ -	\$ (155 )	(2) \$2,016
Warranty reserves	\$ 3,251	\$ 4,648	\$ 82	(1) \$ (4,073 )	\$ 3,908
Deferred tax asset valuation allowance	\$ 2,713	\$ 8,464	\$ 36,240	(3) \$ (4,776 )	(4) \$42,641
<b>YEAR ENDED JUNE 30, 2015:</b>					
Allowance for doubtful accounts	\$ 1,852	\$ (482 )	\$ -	\$ (322 )	(2) \$1,048
Warranty reserves	\$ 2,859	\$ 5,047	\$ -	\$ (4,655 )	\$ 3,251
<b>YEAR ENDED JUNE 30, 2014:</b>					
Allowance for doubtful accounts	\$ 1,479	\$ 993	\$ -	\$ (620 )	(2) \$1,852
Warranty reserves	\$ 1,661	\$ 1,868	\$ 1,173	(1) \$ (1,843 )	\$ 2,859

(1) Relates to the warranty reserve acquired from the acquisitions.

(2) Primarily relates to write-offs of accounts receivable.

(3) Valuation allowance recorded through goodwill.

(4) Reduction in valuation allowance as a result of divestiture of portion of business.

## Item 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

## Item 9A. CONTROLS AND PROCEDURES

## Evaluation of Disclosure Controls and Procedures

The Company's management evaluated, with the participation of the Company's Chief Executive Officer, and the Company's Chief Financial Officer and Treasurer, the effectiveness of the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended (the "Exchange Act")) as of the end of the period covered by this Annual Report on Form 10-K. The Company's disclosure controls were designed to provide reasonable assurance that information required to be disclosed in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified

in the rules and forms of the SEC. It should be noted that the design of any system of controls is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions, regardless of how remote. However, the controls have been designed to provide reasonable assurance of achieving the controls' stated goals. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer concluded that, as of June 30, 2016, the Company's disclosure controls and procedures are effective.

#### Management's Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rule 13a-15(f) and 15d-15(f) under the Exchange Act. The Company's internal control system is designed to provide reasonable assurance concerning the reliability of the financial data used in the preparation of the Company's financial statements, as well as reasonable assurance with respect to safeguarding the Company's assets from unauthorized use or disposition. All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement presentation and other results of such systems. Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we

conducted an evaluation of the effectiveness of our internal control over financial reporting as of June 30, 2016. In making this evaluation, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control – Integrated Framework (2013). Management excluded from the scope of its assessment of internal control over financial reporting, the operations and related assets of II-VI EpiWorks which was acquired on February 1, 2016, and ANADIGICS which was acquired on March 15, 2016. The recent acquisitions excluded from management’s assessment of internal controls over financial reporting represented approximately \$101.4 million and \$81.3 million of total assets and net assets, respectively, as of June 30, 2016 and approximately \$13.9 million and \$11.0 million of total revenues and net losses, respectively, for the fiscal year then ended. Based on the evaluation, management concluded that as of June 30, 2016, the Company’s internal controls over financial reporting were effective and provides reasonable assurance that the accompanying financial statements do not contain any material misstatement.

#### Report of the Registered Public Accounting Firm

The report of Ernst & Young LLP, an independent registered public accounting firm, with respect to our internal control over financial reporting is included in Item 8 of this Annual Report on Form 10-K.

#### Changes in Internal Control over Financial Reporting

There have been no changes in the Company’s internal controls over financial reporting that occurred during our most recent quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

#### Item 9B. OTHER INFORMATION

None.

### PART III

#### Item 10. DIRECTORS AND EXECUTIVE OFFICERS OF THE REGISTRANT

The information set forth above in Part I of this Annual Report on Form 10-K under the caption “Executive Officers of the Registrant” is incorporated herein by reference. The other information required by this item is incorporated herein by reference to the information set forth under the captions “Election of Directors Section 16(a) Beneficial Ownership Reporting Compliance” in the Company’s definitive proxy statement for the 2016 Annual Meeting of Shareholders to be filed pursuant to Regulation 14A of the Exchange Act (the “Proxy Statement”).

#### Audit Committee Financial Expert

The information as to the Audit Committee and the Audit Committee Financial Expert is incorporated herein by reference to the information set forth in the Company’s Proxy Statement.

#### Code of Ethics

The Company has adopted its Code of Business Conduct and Ethics for all of its employees and its Code of Ethics for Senior Financial Officers including the principal executive officer and principal financial officer. The Code of Business Conduct and Ethics and Code of Ethics for Senior Financial Officers can be found on the Company’s Internet

web site at [www.ii-vi.com](http://www.ii-vi.com) under “Investors Information – Corporate Governance Documents.” The Company will promptly disclose on its web site (i) any amendments or waivers with respect to a director’s or executive officer’s compliance with the Code of Business Conducts and Ethics and (ii) any amendments or waivers with respect to any provision of the Code of Ethics for Senior Financial Officers. Any person may also obtain a copy of the Code of Business Conduct and Ethics and/or the Code of Ethics for Senior Financial Officer without charge by submitting their request to the Chief Financial Officer and Treasurer of II-VI Incorporated, 375 Saxonburg Boulevard, Saxonburg, Pennsylvania 16056 or by calling (724) 352-4455.

The web site and information contained on it or incorporated in it are not intended to be incorporated in this Annual Report on Form 10-K or other filings with the SEC.

**Item 11. EXECUTIVE COMPENSATION**

The information required by this item is incorporated herein by reference to the information set forth under the caption “Director Compensation in Fiscal Year 2016,” “Executive Compensation,” “Compensation Committee Report” and “Compensation and Risk” in the Company’s Proxy Statement.

**Item 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS**

The information required by this item is incorporated herein by reference to the information set forth under the captions “Equity Compensation Plan Information” and “Security Owners of Certain Beneficial Owners and Management” in the Company’s Proxy Statement.

**Item 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTOR INDEPENDENCE**

The information required by this item is incorporated herein by reference to the information set forth under the caption “Director Independence and Corporate Governance Policies” in the Company’s Proxy Statement.

**Item 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

The information required by this item is incorporated herein by reference to the information set forth under the caption “Ratification of Selection of Independent Registered Public Accounting Firm” in the Company’s Proxy Statement.

**PART IV**

**Item 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES**

**(a)(1) Financial Statements**

The financial statements are set forth under Item 8 of this Annual Report on Form 10-K.

**(2) Schedules**

Schedule II – Valuation and Qualifying Accounts for each of the three fiscal years in the period ended June 30, 2016 is set forth under Item 8 of this Annual Report on Form 10-K.

Financial statements, financial statement schedules and exhibits not listed have been omitted where the required information is included in the Consolidated Financial Statements or notes thereto, or is not applicable or required.

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Exhibit No.	Description	Location
2.01	Share and Asset Purchase Agreement dated as of September 12, 2013, between II-VI Holdings B.V. and Oclaro Technology Limited	Incorporated herein by reference to Exhibit 2.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 12, 2013.
2.02	Asset Purchase Agreement dated as of October 10, 2013, between II-VI Incorporated and Oclaro Technology Limited	Incorporated herein by reference to Exhibit 2.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on October 11, 2013.
3.01	Amended and Restated Articles of Incorporation of II-VI Incorporated	Incorporated herein by reference to Exhibit 3.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on November 8, 2011.
3.02	Amended and Restated By-Laws of II-VI Incorporated	Incorporated herein by reference to Exhibit 3.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on November 14, 2014.
10.01	Second Amended and Restated Credit Agreement, dated as of September 10, 2013, by and among II-VI Incorporated, each of the Guarantors party thereto, each of the Lenders party thereto, and PNC Bank, National Association, as administrative agent (\$225,000,000 Revolving Credit Facility and \$100,000,000 Term Loan Facility)	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 12, 2013.
10.02	Credit Agreement, dated as of January 31, 2012, by and among II-VI Japan Incorporated, each of the Guarantors party thereto, PNC Bank, National Association, the other Banks party thereto, and PNC Bank, National Association, in its capacity as agent for the Banks thereunder (500,000,000 Yen Revolving Credit Facility)	Incorporated herein by reference to Exhibit 10.02 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.03	First Amendment to Credit Agreement, dated as of September 18, 2015, by and among II-VI Japan Incorporated, the	Incorporated herein by reference to Exhibit 10.01 to II-VI's Quarterly Report on Form

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	Guarantors party thereto, the Banks party thereto, and PNC Bank, National Association, as agent.	10-Q (File No. 000-16195) for the quarter ended September 30, 2015.
10.04	Amended and Restated Employment Agreement, dated September 19, 2008, by and between II-VI and Francis J. Kramer*	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 24, 2008.
10.05	Employment Agreement, dated August 1, 2016, by and between II-VI and Vincent D. Mattera, Jr.*	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on August 2, 2016.
10.06	Employment Agreement, dated March 6, 2014, by and between II-VI Incorporated and Mary Jane Raymond*	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2014.
10.07	Consulting Agreement, dated June 10, 2015, by and between II-VI Incorporated and James Martinelli*	Incorporated Herein by reference to Exhibit 10.06 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.08	Employment Agreement, dated October 3, 2012, by and between II-VI Incorporated and Giovanni Barbarossa*	Incorporated herein by reference to Exhibit 10.07 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.09	Employment Agreement, dated November 10, 2008, by and between II-VI Incorporated and David G. Wagner*	Incorporated herein by reference to Exhibit 10.08 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.10	Secondment Engagement Letter, dated November 6, 2015, among Sherrard, German & Kelly, P.C., II-VI Incorporated, and Walter R. Bashaw II*	Incorporated herein by reference to Exhibit 10.02 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the fiscal Quarter ended December 31, 2015.



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| 10.11 | Employment Agreement, dated February 1, 2016, by and between II-VI Incorporated and Gary A. Kapusta*   | Incorporated herein by reference to Exhibit 10.01 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on February 1, 2016.               |
| 10.12 | Form of Employment Agreement*  | Incorporated herein by reference to Exhibit 10.16 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).                                  |
| 10.13 | Form of Representative Agreement between II-VI and its foreign representatives                         | Incorporated herein by reference to Exhibit 10.15 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).                                  |
| 10.14 | II-VI Incorporated Amended and Restated Employees' Stock Purchase Plan                                 | Incorporated herein by reference to Exhibit 10.04 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).                                  |
| 10.15 | First Amendment to the II-VI Incorporated Amended and Restated Employees' Stock Purchase Plan          | Incorporated herein by reference to Exhibit 10.01 to II-VI's Quarterly Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 1996. |
| 10.16 | II-VI Incorporated Amended and Restated Employees' Profit-Sharing Plan and Trust Agreement, as amended | Incorporated herein by reference to Exhibit 10.05 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).                                  |
| 10.17 | Description of Bonus Incentive Plan*   | Incorporated herein by reference to Exhibit 10.14 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1996. |
| 10.18 | Description of Discretionary Incentive Plan (now known as the Goal/ Results Incentive Program)*        | Incorporated herein by reference to Exhibit 10.27 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2009. |
| 10.19 | Description of Management-By-Objective Plan*   | Incorporated herein by reference to Exhibit 10.09 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1993. |

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| 10.20 | Amended and Restated II-VI Incorporated Deferred Compensation Plan (applicable to periods prior to January 1, 2015)* | Incorporated herein by reference to Exhibit 10.17 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.  |
| 10.21 | Amended and Restated II-VI Incorporated Deferred Compensation Plan (applicable to periods after January 1, 2015)*    | Incorporated herein by reference to Exhibit 10.18 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.  |
| 10.22 | Trust Under the II-VI Incorporated Deferred Compensation Plan*   | Incorporated herein by reference is Exhibit 10.13 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1996.  |
| 10.23 | II-VI Incorporated 2009 Omnibus Incentive Plan*  | Incorporated herein by reference to Exhibit A to II-VI's Definitive Proxy Statement on Schedule 14A (File No. 000-16195) filed on September 25, 2009.  |
| 10.24 | Form of Nonqualified Stock Option Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                | Incorporated herein by reference to Exhibit 10.27 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |

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| 10.25 Form of Restricted Share Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                         | Incorporated herein by reference to Exhibit 10.28 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.26 Form of Performance Share Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                        | Incorporated herein by reference to Exhibit 10.29 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.27 Form of Stock Appreciation Rights Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                      | Incorporated herein by reference to Exhibit 10.30 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.28 Form of Performance Unit Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                         | Incorporated herein by reference to Exhibit 10.31 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2012.    |
| 10.29 Form of Restricted Share Unit Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                    | Incorporated herein by reference to Exhibit 10.32 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2012.    |
| 10.30 II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*   | Incorporated herein by reference to Exhibit 10.01 to II-VI's Registration Statement on Form S-8 (File No. 333-199855) filed on November 4, 2014.       |
| 10.31 Form of Nonqualified Stock Option Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan* | Incorporated herein by reference to Exhibit 10.30 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.  |
| 10.32 Form of Restricted Share Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*    | Incorporated herein by reference to Exhibit 10.31 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.  |
| 10.33 Form of Performance Share Award Agreement (Consolidated Revenue) under the II-VI Incorporated                              | Incorporated herein by reference to Exhibit 10.32 to II-VI's Annual Report on Form 10-K (File No.  |

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Amended and Restated 2012 Omnibus Incentive Plan*	000-16195) for the fiscal year ended June 30, 2013.
10.34 Form of Stock Appreciation Rights Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.33 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.35 Form of Performance Unit Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.34 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.36 Form of Restricted Share Unit Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.35 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.37 Form of Performance Share Award Agreement (Total Shareholder Return) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.38 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2014.
10.38 Form of Performance Unit Award Agreement (Total Shareholder Return) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.39 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2014.

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10.39	Form of Performance Share Award Agreement (Cash Flow From Operations) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.36 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.40	Form of Performance Unit Award Agreement (Cash Flow From Operations) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.37 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.41	II-VI Incorporated Second Amended and Restated Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2015.
21.01	List of Subsidiaries of II-VI Incorporated	Filed herewith.
23.01	Consent of Ernst & Young LLP	Filed herewith.
31.01	Certification of the Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as amended, and Section 302 of the Sarbanes-Oxley Act of 2002	Filed herewith.
31.02	Certification of the Chief Financial Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as amended, and Section 302 of the Sarbanes-Oxley Act of 2002	Filed herewith.
32.01	Certification of the Chief Executive Officer pursuant to Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended, and 18 U.S.C. § 1350 as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	Furnished herewith.
32.02	Certification of the Chief Financial Officer pursuant to Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended, and 18 U.S.C. § 1350 as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	Furnished herewith.

101 Interactive Data File

(101.INS) XBRL Instance Document Filed herewith.

(101.SCH) XBRL Taxonomy Extension Schema Document Filed herewith.

(101.CAL) XBRL Taxonomy Extension Calculation Linkbase Document Filed herewith.

(101.DEF) XBRL Taxonomy Definition Linkbase Filed herewith.

(101.LAB) XBRL Taxonomy Extension Label Linkbase Document Filed herewith.

(101.PRE) XBRL Taxonomy Extension Presentation Linkbase Document Filed herewith.

\*Denotes management contract or compensatory plan, contract or arrangement.

The Registrant will furnish to the Commission upon request copies of any instruments not filed herewith which authorize the issuance of long-term obligations of the Registrant not in excess of 10% of the Registrant's total assets on a consolidated basis.

Item 16.FORM 10-K SUMMARY

None.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

II-VI INCORPORATED

Date: August 26, 2016 By: /s/ Francis J. Kramer  
Francis J. Kramer  
Chairman and Chief Executive Officer and Director

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Principal Executive Officer:

Date: August 26, 2016 By: /s/ Francis J. Kramer  
Francis J. Kramer  
Chairman and Chief Executive Officer and Director

Principal Financial and Accounting Officer:

Date: August 26, 2016 By: /s/ Mary Jane Raymond  
Mary Jane Raymond  
Chief Financial Officer and Treasurer

Date: August 26, 2016 By: /s/ Joseph J. Corasanti  
Joseph J. Corasanti  
Director

Date: August 26, 2016 By: /s/ Wendy F. DiCicco  
Wendy F. DiCicco  
Director

Date: August 26, 2016 By: /s/ Thomas E. Mistler  
Thomas E. Mistler  
Director

Date: August 26, 2016 By: /s/ RADM Marc Y. E. Pelaez (retired)  
RADM Marc Y. E. Pelaez (retired)  
Director

Date: August 26, 2016 By: /s/ Howard H. Xia  
Howard H. Xia  
Director

Date: August 26, 2016 By: /s/ Vincent D. Mattera, Jr.  
Vincent D. Mattera, Jr.  
President and Director

Date: August 26, 2016 By: /s/ William Schromm  
William Schromm  
Director

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Date: August 26, 2016 By: /s/ Shaker Sadasivam  
Shaker Sadasivam  
Director

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## EXHIBIT INDEX

Exhibit No.	Description	Location
2.01	Share and Asset Purchase Agreement dated as of September 12, 2013, between II-VI Holdings B.V. and Oclaro Technology Limited	Incorporated herein by reference to Exhibit 2.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 12, 2013.
2.02	Asset Purchase Agreement dated as of October 10, 2013, between II-VI Incorporated and Oclaro Technology Limited	Incorporated herein by reference to Exhibit 2.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on October 11, 2013.
3.01	Amended and Restated Articles of Incorporation of II-VI Incorporated	Incorporated herein by reference to Exhibit 3.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on November 8, 2011.
3.02	Amended and Restated By-Laws of II-VI Incorporated	Incorporated herein by reference to Exhibit 3.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on November 14, 2014.
10.01	Second Amended and Restated Credit Agreement, dated as of September 10, 2013, by and among II-VI Incorporated, each of the Guarantors party thereto, each of the Lenders party thereto, and PNC Bank, National Association, as administrative agent (\$225,000,000 Revolving Credit Facility and \$100,000,000 Term Loan Facility)	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 12, 2013.
10.02	Credit Agreement, dated as of January 31, 2012, by and among II-VI Japan Incorporated, each of the Guarantors party thereto, PNC Bank, National Association, the other Banks party thereto, and PNC Bank, National Association, in its capacity as agent for the Banks thereunder (500,000,000 Yen Revolving Credit Facility)	Incorporated herein by reference to Exhibit 10.02 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.

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|-------|--|---|
| 10.03 | First Amendment to Credit Agreement, dated as of September 18, 2015, by and among II-VI Japan Incorporated, the Guarantors party thereto, the Banks party thereto, and PNC Bank, National Association, as agent. | Incorporated herein by reference to Exhibit 10.01 to II-VI's Quarterly Report on Form 10-Q (File No. 000-16195) for the quarter ended September 30, 2015. |
| 10.04 | Amended and Restated Employment Agreement, dated September 19, 2008, by and between II-VI and Francis J. Kramer*   | Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on September 24, 2008.                  |
| 10.05 | Employment Agreement, dated August 1, 2016, by and between II-VI and Vincent D. Mattera, Jr.*  | Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on August 2, 2016.                      |
| 10.06 | Employment Agreement, dated March 6, 2014, by and between II-VI Incorporated and Mary Jane Raymond*  | Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2014.        |
| 10.07 | Consulting Agreement, dated June 10, 2015, by and between II-VI Incorporated and James Martinelli*   | Incorporated Herein by reference to Exhibit 10.06 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.     |
| 10.08 | Employment Agreement, dated October 3, 2012, by and between II-VI Incorporated and Giovanni Barbarossa*  | Incorporated herein by reference to Exhibit 10.07 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.     |
| 10.09 | Employment Agreement, dated November 10, 2008, by and between II-VI Incorporated and David G. Wagner*  | Incorporated herein by reference to Exhibit 10.08 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.     |

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|-------|--|---|
| 10.10 | Secondment Engagement Letter, dated November 6, 2015, among Sherrard, German & Kelly, P.C., II-VI Incorporated, and Walter R. Bashaw II* | Incorporated herein by reference to Exhibit 10.02 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the fiscal Quarter ended December 31, 2015. |
| 10.11 | Employment Agreement, dated February 1, 2016, by and between II-VI Incorporated and Gary A. Kapusta*                                     | Incorporated herein by reference to Exhibit 10.01 to II-VI's Current Report on Form 8-K (File No. 000-16195) filed on February 1, 2016.                       |
| 10.12 | Form of Employment Agreement*  | Incorporated herein by reference to Exhibit 10.16 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).  |
| 10.13 | Form of Representative Agreement between II-VI and its foreign representatives   | Incorporated herein by reference to Exhibit 10.15 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).  |
| 10.14 | II-VI Incorporated Amended and Restated Employees' Stock Purchase Plan   | Incorporated herein by reference to Exhibit 10.04 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).  |
| 10.15 | First Amendment to the II-VI Incorporated Amended and Restated Employees' Stock Purchase Plan  | Incorporated herein by reference to Exhibit 10.01 to II-VI's Quarterly Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 1996.         |
| 10.16 | II-VI Incorporated Amended and Restated Employees' Profit-Sharing Plan and Trust Agreement, as amended                                   | Incorporated herein by reference to Exhibit 10.05 to II-VI's Registration Statement on Form S-1 (File No. 33-16389).  |
| 10.17 | Description of Bonus Incentive Plan*   | Incorporated herein by reference to Exhibit 10.14 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1996.         |
| 10.18 | Description of Discretionary Incentive Plan (now known as the Goal/ Results Incentive Program)*  | Incorporated herein by reference to Exhibit 10.27 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2009.         |

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|-------|--|---|
| 10.19 | Description of Management-By-Objective Plan*   | Incorporated herein by reference to Exhibit 10.09 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1993. |
| 10.20 | Amended and Restated II-VI Incorporated Deferred Compensation Plan (applicable to periods prior to January 1, 2015)* | Incorporated herein by reference to Exhibit 10.17 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015. |
| 10.21 | Amended and Restated II-VI Incorporated Deferred Compensation Plan (applicable to periods after January 1, 2015)*    | Incorporated herein by reference to Exhibit 10.18 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015. |
| 10.22 | Trust Under the II-VI Incorporated Deferred Compensation Plan*   | Incorporated herein by reference is Exhibit 10.13 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 1996. |
| 10.23 | II-VI Incorporated 2009 Omnibus Incentive Plan*  | Incorporated herein by reference to Exhibit A to II-VI's Definitive Proxy Statement on Schedule 14A (File No. 000-16195) filed on September 25, 2009. |

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| 10.24 Form of Nonqualified Stock Option Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                      | Incorporated herein by reference to Exhibit 10.27 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.25 Form of Restricted Share Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                         | Incorporated herein by reference to Exhibit 10.28 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.26 Form of Performance Share Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                        | Incorporated herein by reference to Exhibit 10.29 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.27 Form of Stock Appreciation Rights Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                      | Incorporated herein by reference to Exhibit 10.30 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2011. |
| 10.28 Form of Performance Unit Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                         | Incorporated herein by reference to Exhibit 10.31 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2012.    |
| 10.29 Form of Restricted Share Unit Award Agreement under the II-VI Incorporated 2009 Omnibus Incentive Plan*                    | Incorporated herein by reference to Exhibit 10.32 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended March 31, 2012.    |
| 10.30 II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*   | Incorporated herein by reference to Exhibit 10.01 to II-VI's Registration Statement on Form S-8 (File No. 333-199855) filed on November 4, 2014.       |
| 10.31 Form of Nonqualified Stock Option Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan* | Incorporated herein by reference to Exhibit 10.30 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.  |

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Form of Restricted Share Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.31 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.33 Form of Performance Share Award Agreement (Consolidated Revenue) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.32 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.34 Form of Stock Appreciation Rights Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.33 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.35 Form of Performance Unit Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.34 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.36 Form of Restricted Share Unit Award Agreement under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.35 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2013.
10.37 Form of Performance Share Award Agreement (Total Shareholder Return) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.38 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2014.

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10.38	Form of Performance Unit Award Agreement (Total Shareholder Return) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.39 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2014.
10.39	Form of Performance Share Award Agreement (Cash Flow From Operations) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.36 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.40	Form of Performance Unit Award Agreement (Cash Flow From Operations) under the II-VI Incorporated Amended and Restated 2012 Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.37 to II-VI's Annual Report on Form 10-K (File No. 000-16195) for the fiscal year ended June 30, 2015.
10.41	II-VI Incorporated Second Amended and Restated Omnibus Incentive Plan*	Incorporated herein by reference to Exhibit 10.1 to II-VI's Current Report on Form 10-Q (File No. 000-16195) for the quarter ended December 31, 2015.
21.01	List of Subsidiaries of II-VI Incorporated	Filed herewith.
23.01	Consent of Ernst & Young LLP	Filed herewith.
31.01	Certification of the Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as amended, and Section 302 of the Sarbanes-Oxley Act of 2002	Filed herewith.
31.02	Certification of the Chief Financial Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934, as amended, and Section 302 of the Sarbanes-Oxley Act of 2002	Filed herewith.
32.01	Certification of the Chief Executive Officer pursuant to Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended, and 18 U.S.C. § 1350 as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	Furnished herewith.



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32.02 Certification of the Chief Financial Officer pursuant to Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended, and 18 U.S.C. § 1350 as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Furnished herewith.

101 Interactive Data File

(101.INS) XBRL Instance Document

Filed herewith.

(101.SCH) XBRL Taxonomy Extension Schema Document

Filed herewith.

(101.CAL) XBRL Taxonomy Extension Calculation Linkbase Document

Filed herewith.

(101.DEF) XBRL Taxonomy Definition Linkbase

Filed herewith.

(101.LAB) XBRL Taxonomy Extension Label Linkbase Document

Filed herewith.

(101.PRE) XBRL Taxonomy Extension Presentation Linkbase Document

Filed herewith.

\*Denotes management contract or compensatory plan, contract or arrangement.

The Registrant will furnish to the Commission upon request copies of any instruments not filed herewith which authorize the issuance of long-term obligations of the Registrant not in excess of 10% of the Registrant's total assets on a consolidated basis.

Item 16.FORM 10-K SUMMARY

None.

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