

50th

1971–2021

2021 FACT SHEET

II-VI

MOBILE

Enhancing our mobility experience, safety, and security with 3D sensing



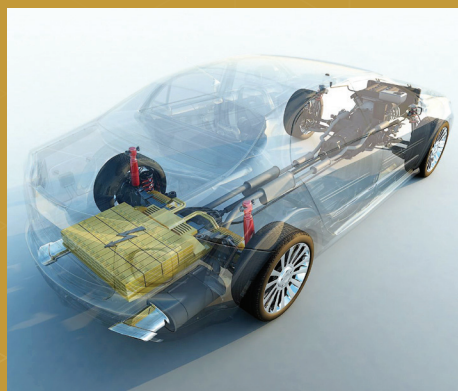
INTELLIGENT

Connecting the world to intelligence in the cloud



ELECTRIC

Enabling the electrification of the energy infrastructure

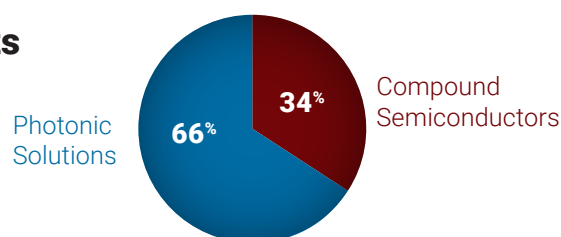


OVERVIEW

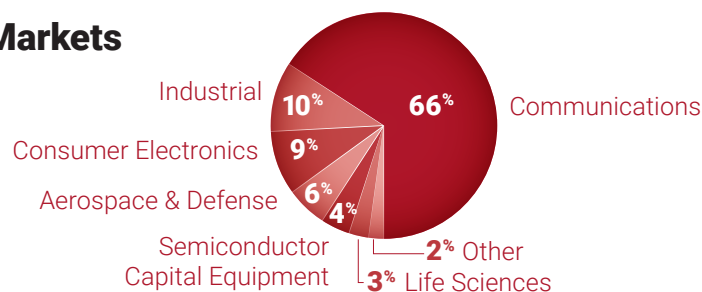
II-VI Incorporated, a global leader in engineered materials and optoelectronic components, is a vertically integrated manufacturing company that develops innovative products for diversified applications in communications, industrial, aerospace & defense, semiconductor capital equipment, life sciences, consumer electronics, and automotive markets. Headquartered in Saxonburg, Pennsylvania, the Company has research and development, manufacturing, sales, service, and distribution facilities worldwide. The Company produces a wide variety of application-specific photonic and electronic materials and components, and deploys them in various forms, including integrated with advanced software to support our customers. For more information, please visit www.ii-vi.com.

FY21 Revenue Distribution

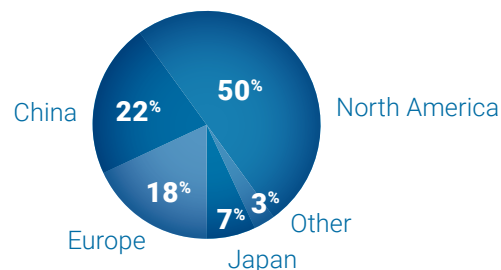
Segments



Markets



Regions



Headquarters

Saxonburg, Pennsylvania



Silicon Valley

Regional Headquarters

Sunnyvale, California



Asia

Regional Headquarters

Fuzhou, China



Founded

1971



IPO 1987

(Nasdaq: IIVI)



Core Competency

Engineered Materials



Patents

2,200+



Worldwide Employees

22,000+



Engineering & Technology

3,800+ Employees



Worldwide Locations

73



Countries

18



FY21 Revenue

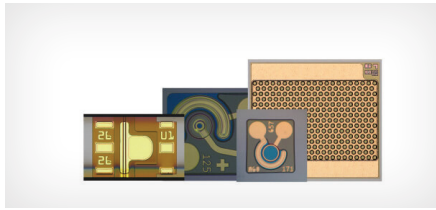
\$3.1B

PRODUCTS



Optical Communications

- Finisar® Optical Transceivers
- Finisar® Active Optical Cables
- Optical Engines
- Communication Components
- Wavelength Management
- Optical Instrumentation



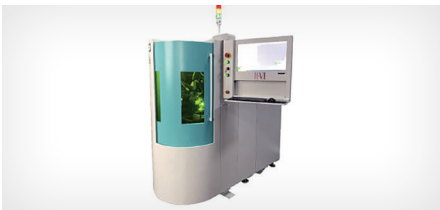
Optoelectronic Devices

- HPL Bars and Stacks
- HPL SE Pumps and Seeds
- GaAs Optoelectronics
- InP Optoelectronics
- VCSELs for Sensing



Optics

- Industrial Laser Optics
- Thermal Imaging Optics
- Life Sciences Optics
- Diffractive Optics
- All-Purpose Optics
- Optical Materials



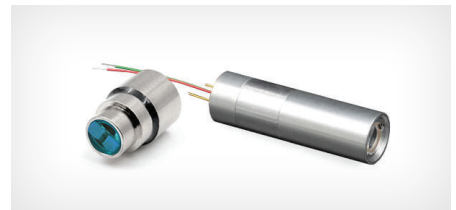
Laser Systems

- Laser Cutting
- Laser Micromachining
- Laser Lapping
- Mono Diamond Cutting



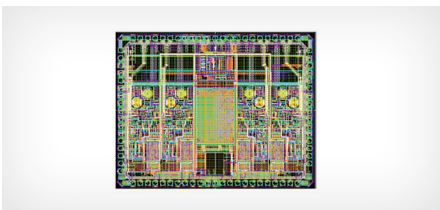
Laser Processing Tools

- Laser Processing Heads
- Beam Delivery Systems



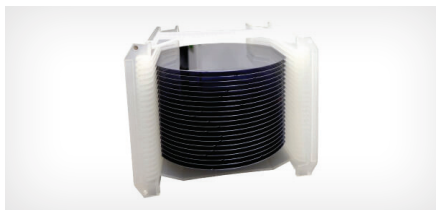
Laser Components

- DPSS Lasers
- Laser Diode Modules
- Laser Engines



Electronic Devices

- Discrete Low-Noise Amplifiers
- Broadband Switches
- MMIC Amplifiers



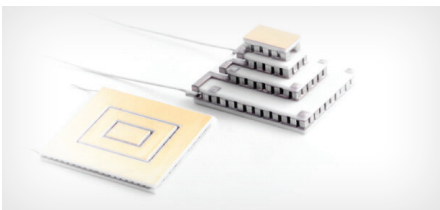
Epitaxial Wafers

- RF Epitaxial Wafers
- Photonics Epitaxial Wafers
- Power Electronics Epitaxial Wafers



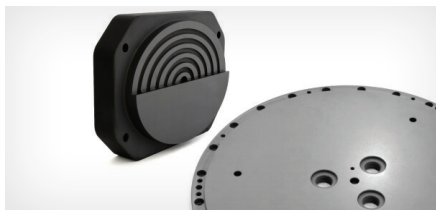
Silicon Carbide Substrates

- SiC for Power Electronics
- SiC for RF Electronics



Thermoelectrics

- Thermoelectric Coolers
- Power Generators
- Thermoelectric Systems



Ceramics and Metal-Matrix Composites

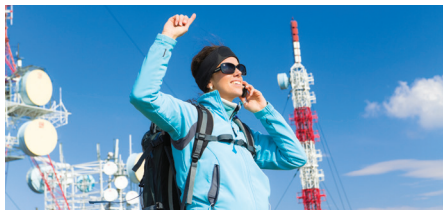
- Reaction-Bonded Ceramics
- Metal-Matrix Composites



Rare Metals

- Rare Specialty Metals
- Scandium Recovery Technology

MARKETS



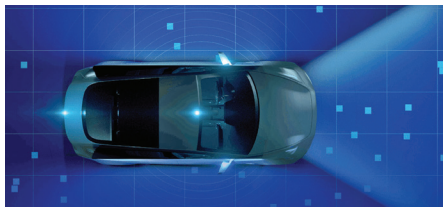
Communications

- ROADM Systems
- Coherent Transmission
- Datacenter Interconnects
- Submarine Transmission
- 5G Wireless
- 5G Optical Infrastructure
- Datacom Transceivers and Active Optical Cables



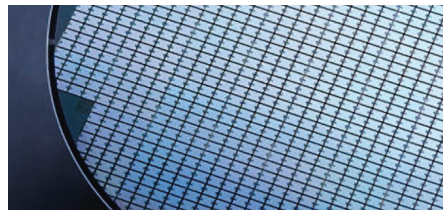
Industrial

- High-Power 1 μm Laser Processing
- High-Power CO₂ Laser Processing
- CO₂ Laser Microprocessing
- CO Laser Microprocessing
- Ultraviolet Laser Microprocessing
- Ultrafast Laser Microprocessing



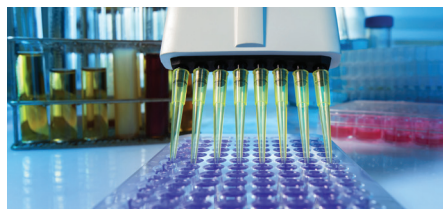
Automotive

- High-Power Electronics
- In-Cabin Interaction
- LiDAR Sensing
- Thermal Management Systems



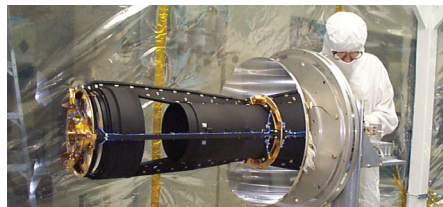
Semiconductor Capital Equipment

- FEOL Photolithography
- MEOL Inspection and Testing
- BEOL Dicing, Packaging, and Testing



Life Sciences

- Flow Cytometry
- Fluorescence Imaging
- Fluorescence Spectroscopy
- Genome Sequencing
- Clinical Lasers
- FDA-Approved Assemblies
- PCR Analysis



Aerospace & Defense

- Intelligence, Surveillance, and Reconnaissance (ISR)
- High-Energy Laser Systems
- Missiles and Ordnance
- Electromagnetic Interference and Survivability



Consumer Electronics

- 3D Sensing in Biometrics
- 3D Sensing in VR and AR
- Human-Machine Interfaces
- Internet of Things (IoT)

MATERIALS THAT MATTER

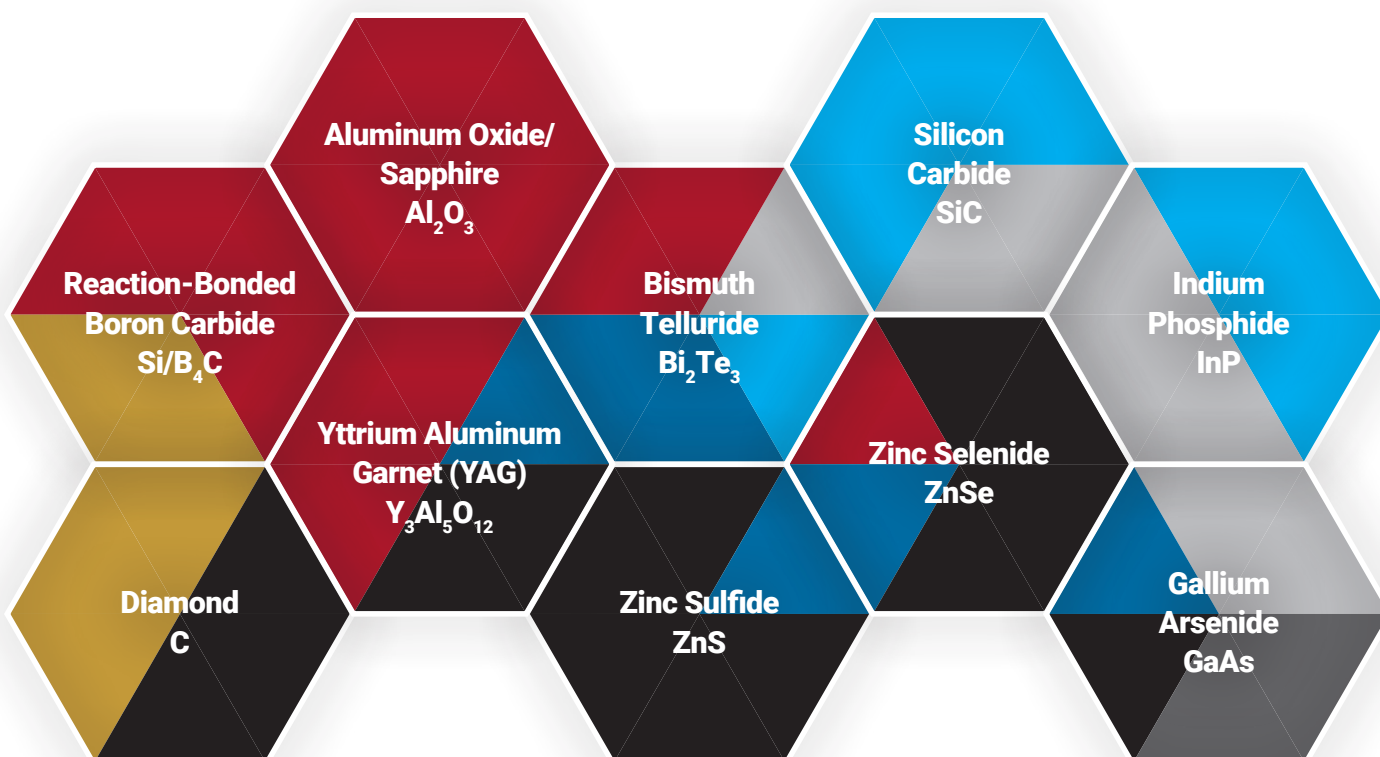
Our Name and History ('TWO-SIX')

The Roman numerals "II-VI" refer to group II and group VI of the periodic table of elements. By chemically combining elements from these groups, II-VI produced the infrared optical crystalline compounds cadmium telluride (CdTe), zinc selenide (ZnSe), zinc sulfide (ZnS), and zinc sulfide multispectral (ZnS MS). These compounds and others created from group II and group VI elements are commonly referred to as "II-VI materials." When our company was founded in 1971 to create CdTe, company co-founder Dr. Carl J. Johnson paid homage to our II-VI materials heritage by calling our new company "II-VI Incorporated."

IIIA	IVA	VA	VIA
5 B Boron	6 C Carbon	7 N Nitrogen	8 O Oxygen
13 Al Aluminum	14 Si Silicon	15 P Phosphorus	16 S Sulfur
30 Zn Zinc	31 Ga Gallium	32 Ge Germanium	33 As Arsenic
48 Cd Cadmium	49 In Indium	50 Sn Tin	51 Sb Antimony
80 Hg Mercury	81 Tl Thallium	82 Pb Lead	83 Bi Bismuth
			84 Po Polonium

Markets and Engineered Materials

II-VI's broad portfolio of engineered materials is grown and fabricated in-house. Each material is differentiated by unique optical, electrical, thermal, and mechanical properties, which we leverage to successfully compete in our end markets. We build on these differentiated materials to develop market-leading devices, components, and subsystems.



◆ Aerospace & Defense

◆ Automotive

◆ Datacom, Telecom & Wireless Communications

◆ Industrial

◆ Life Sciences

◆ Semiconductor Capital Equipment

◆ 3D Sensing/Consumer

MISSION

Enabling the world to be safer, healthier,
closer, and more efficient

VISION

A world transformed through innovative
materials vital to a better life today and
the sustainability of future generations



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