

II-VI Infrared Introduces a Multiple Beam Delivery Solution for Semiconductor Materials Processing

PITTSBURGH, January 19, 2017 (GLOBE NEWSWIRE) – The II-VI Infrared Division of II-VI Incorporated (NASDAQ:IIVI), a world leader in laser optics, today announced the introduction of the Power EqualizIR, an innovative multiple beam delivery solution for materials processing.

Semiconductor equipment manufacturers reduce production cycle times by implementing parallel laser processing in applications such as wafer scribing, cutting and via-hole drilling. The II-VI Power EqualizIR beam delivery module manipulates multiple beams from a single CO₂ laser source and dynamically equalizes their power to enable back-end semiconductor equipment to achieve a highly uniform process.

“Our new Power EqualizIR overcomes the fundamental performance limitations of existing beam delivery components that rely on beam splitters, polarizers and attenuators,” said John Ryan, Vice President of Sales, II-VI Laser Solutions. “II-VI leveraged its industry-leading expertise in optics and assemblies to develop a unique solution.”

The II-VI Power EqualizIR dynamically equalizes power in process without disrupting phase shift and polarization.

In addition to the Power EqualizIR, II-VI offers a wide range of products for advanced semiconductor equipment applications. These include optics for extreme ultraviolet (EUV) lithography, advanced ceramic components for front-end semiconductor equipment, and the new CogentuM™ product family of advanced materials for next-generation back-end semiconductor equipment.

II-VI at SPIE Photonics West, Jan. 31- Feb. 2, 2017, South Hall, Booth # 1833

II-VI Incorporated innovations and capabilities being showcased at Photonics West 2017 will highlight the advances our material science and technology platforms have made possible for our customers in materials processing, industrial machine tools, biomedical instrumentation and the military. II-VI will launch several new high power semiconductor laser chips, modules and bars as well as high power laser optics for next generation CO₂, fiber and direct diode lasers.

About II-VI Infrared

II-VI Infrared is the world leader in laser optics, delivering an unbeatable combination of innovation, quality, and expertise. II-VI Infrared also delivers the largest vertically integrated CO₂ laser optics manufacturing process - from raw materials to finished coated products - in the world. An optics foundry to laser original equipment manufacturers (OEMs) the world over, consistently building optics to specification with consistent performance and quality, with products ranging from spherical and aspherical lenses for high power 1um lasers to replacement CO₂ laser optics and nozzles, lenses, partial reflectors, windows, beam splitters, mirrors, beam expanders, reflective phase retarders, scanning-laser system optics, diamond-turned custom optics, IR optical materials (ZnSe, ZnS, ZnS MS, CVD Diamond), and more. Our products and reputation make us the number one supplier to OEMs of CO₂ laser systems worldwide, while our capabilities are without rival in the industry.

About II-VI Incorporated

II-VI Incorporated, a global leader in engineered materials and opto-electronic components 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. Headquartered in Saxonburg, Pennsylvania, with 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 enable our customers.

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