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II-VI Incorporated Presents its Broad Portfolio for Laser Material Processing at EuroBLECH 2016

PITTSBURGH, August 11, 2016 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a global leader in engineered materials and opto-electronic components, today announced that it will exhibit at EuroBLECH, on October 25-29, 2016, in Hanover, Germany, in Hall 11, Booth #F154. The II-VI booth will house the business divisions II-VI HIGHYAG, II-VI Infrared, II-VI Photop, II-VI Suwtech and II-VI Laser Enterprise in one location. They will present their latest products for laser material processing including laser processing heads, laser light cables, laser optics and laser modules. This broad portfolio reinforces II-VI's leading global position in the laser material processing industry.

Laser Processing Heads and Laser Light Cables

II-VI HIGHYAG will highlight the laser cutting head BIMO-FSC which is available in different versions for focus control. The version with machine-controlled adjustment of focus position is rated for laser power of up to 8kW. Flexible cutting of various sheet thicknesses for maximum productivity is enabled by machine-controlled adjustment of both focus position and focus diameter. Additional value for customers will be brought by the qualification of the BIMO-FSC for direct diode lasers. II-VI Infrared will be showing the FiberLight, a compact and low power cutting solution for an extensive range of cutting tasks up to 3kW.

II-VI HIGHYAG will also showcase its latest generation of welding and brazing heads as well its capability to equip all industrial 1µm lasers with state-of-the-art laser light cables. These reliable and industry proven heads are used for a wide range of applications, including cladding, hardening and brazing with seam-tracking needs. The RLSK, an 8kW remote laser welding head, can freely position the focus in a three-dimensional workspace by scanner technology enabling shorter cycle times. The "µ" laser processing head features a compact 1 inch optic and is widely deployed in welding and cutting applications at microscopic scale. The modular structure of these heads combined with II-VI HIGHYAG's in-house consulting service capabilities in well-equipped application laboratories permit customized projects for specific customer demands.

Laser Optics

II-VI will show a series of cutting edge laser optics for high power laser processing applications including fused silica optics. Those industry proven optics feature low absorbing coatings to enable peak laser performance for use in 1-10kW laser cutting, welding and remote welding heads. II-VI, with its global manufacturing footprint and strong value proposition, can provide these optics in many different configurations, including aspherical lenses, spherical lenses and debris shields. The optics can also be provided in mounts for direct installation in customers' laser processing heads.

Laser Modules

Highly reliable laser diode modules, visible and NIR lasers, narrow line-width lasers as well as Q-Switched lasers will also be displayed at the II-VI booth, including II-VI Suwtech's new 9xxnm fiber-coupled diode laser module offering output powers from 140W up to 300W. The module is a single emitter cascaded design that allows higher output powers with increased wall plug efficiency and simplified thermal management. II-VI Laser Enterprise will highlight a higher power 1060nm single-mode laser diode seed module and a new line of high power multi-bar stack laser diode modules. The new 1060nm laser diode seed module delivers kink-free powers of up to 1.5 W in nanosecond pulse operation enabling fiber laser systems with highly efficient pulse amplification and improved frequency conversions.

EuroBLECH: Hall 11, Booth #F154

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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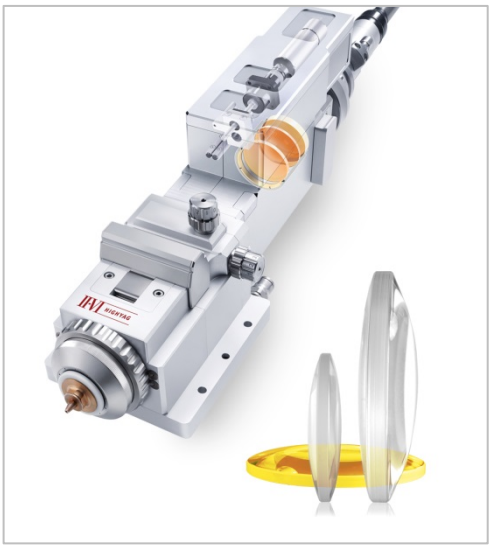

II-VI ‘s broad portfolio for laser material processing including laser processing heads and laser optics will be presented at EuroBLECH: Hall 11, Booth #F154

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