

II-VI Incorporated Introduces Freeform Beam Shaping Laser Optics for Fiber and Direct Diode Laser Applications

PITTSBURGH, January 24, 2018 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a world leader in laser optics and subsystems, today announced the introduction of its freeform beam shaping laser optics for fiber and direct diode laser applications.

The rapidly increasing number of applications in laser-based materials processing is driving the demand for laser processing heads with engineered beam geometries that maximize process efficiency and minimize equipment cost and size. II-VI's industry leading freeform diamond turning capabilities deliver custom high power laser optics with precise surface finish to enable the design of highly differentiated beam shaping optical systems used in advanced laser processing heads.

"II-VI is leveraging its deep expertise in freeform nanotechnology surfacing techniques to offer a nearly limitless number of custom design options to optimize laser-based materials processing tasks," said John Ryan, Vice President of Sales, II-VI Laser Solutions. "Our Bessel focus lenses in particular, enable our customers to engineer beams with elongated depth of focus that greatly improve the efficiency of their laser processing heads."

II-VI offers a broad range of freeform beam shaping laser optics including Bessel focus lenses, faceted integrators, vortex lenses, flat top converters, biconic lenses, axicons and dual focus lenses. II-VI also offers debris windows and turnkey capabilities in optical design, fabrication, thin film coatings and metrology.

II-VI at SPIE Photonics West, Jan. 30- Feb. 1, 2018, Booth # 1230

II-VI will exhibit at SPIE Photonics West in San Francisco one of the broadest portfolios of merchant products for all laser technology platforms employed in high-power or precision materials processing. From ultraviolet to the far-infrared, II-VI's market leading laser optics will be on display along with new products for fiber lasers and some of the most advanced laser heads and beam delivery solutions on the market. In the life sciences area, II-VI's display will consist of spectroscopy optics, flow cells and precision temperature controlled modules to support advances such as in DNA sequencing. II-VI will also show products from epitaxial wafers to semiconductor lasers that will enable exciting new features such as 3D sensing in the next generation of consumer electronics.

About II-VI Incorporated



Press Release

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 the industrial, optical communications, military, life sciences, semiconductor equipment, and consumer 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 enable our customers. For more information, please visit us at www.ii-vi.com.

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