

II-VI Suwtech Introduces GaAs Pump Laser Modules with 20 Watt Wavelength-stabilized Output Power for Ultrafast Fiber Lasers

PITTSBURGH, PA, January 16, 2017 (GLOBE NEWSWIRE) – The II-VI Suwtech Division of II-VI Incorporated (NASDAQ:IIVI), a leading provider of high power laser modules, today announced the introduction of 976 nm wavelength-stabilized multimode pump laser modules with up to 20 Watts of output power.

Medical, industrial and semiconductor manufacturing applications increasingly employ ultrafast pulsed lasers for precision drilling and marking on a microscopic scale. II-VI Suwtech's new pump lasers feature a wavelength-stabilized optical design that significantly extends their output power stability performance over operating temperature and output power dynamic ranges. These pump lasers enable ultrafast fiber lasers to operate with shorter pulses and achieve higher precision drilling and marking. The new wavelength-stabilized optical system also minimizes warm up time which improves the productivity of the fiber lasers.

"This new laser module builds on the proven reliability of II-VI's gallium arsenide technology platform," said Di Yang, General Manager, II-VI Suwtech. "Beyond ultrafast fiber-lasers for precision drilling and marking, our product portfolio will expand to advance pulsed lasers for other applications including supercontinuum lasers for life sciences."

The high output power of the new pump laser is achieved by combining multiple GaAs semiconductor laser chips into one module. The combined output power is coupled to an industry standard 105 μm multimode fiber. The operating wavelength can be adjusted to meet specific customer applications.

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 Suwtech

II-VI Suwtech is a leading laser light source solution provider for laser leveling, range finding, bio-medical instrumentation, Raman spectroscopy, machine vision, laser entertainment,

laser display, digital printing and others. The product portfolio includes compact, highly reliable and low cost green lasers, free space and fiber pigtailed laser diode modules with superior performance and reliability, narrow linewidth lasers and Q-switched lasers in compact packaging with unique technology, along with application-oriented optics and electronics. To learn more, visit www.ii-vi-suwtech.com.

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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