

For Immediate Release
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Press Release

NP Photonics Offers High-Power, Single-Frequency Fiber Laser

5W Fiber Laser Ideal for Sensing, LIDAR, Metrology, Communications and General R & D

Tucson, AZ, April 29, 2005 – NP Photonics expands its line of industry-leading Scorpio™ single-frequency fiber lasers with the introduction of the Scorpio high-power laser. This latest innovation provides 0.5 to 5 watts of output power and operates over the eye-safe wavelengths of the C-band (1530 nm-1565 nm) as well as near-infrared wavelengths from 1030 nm to 1085 nm. The laser uses a master-oscillator, power-amplifier configuration that boosts output significantly while maintaining the narrow linewidth (<3 kHz) and low phase noise at the same level as its lower-power Scorpio products.

The all-fiber design makes the Scorpio high-power laser immune to many environmental stressors, practically eliminating coupling loss and drastically decreasing sensitivity to vibration and acoustics. The output power emanates from a polarization-preserving single-mode fiber and delivers a beam with excellent spatial mode properties and a high polarization extinction ratio. In addition, its unique design minimizes overall system heat and power consumption.

"At Photonics West in January 2005, we showed a prototype 2W fiber laser", said Philippe Brak, vp of sales & marketing for NP Photonics. "Based on strong customer interest, we increased our R & D efforts so that we can now offer up to 5 watts of output power."

These high-power lasers, ideal for sensing, LIDAR, metrology, telecom and general research and development applications, are available at a base price starting at \$30,000 with delivery in 8 weeks.

Founded in 1998, NP Photonics is the originator of Erbium Micro Fiber (EMF) technology and is dedicated to the design, manufacture and marketing of compact, low-cost, intelligent fiber-based products for the sensing, medical and R & D markets. The company has developed a broad family of products based on its EMF including fiber lasers, ASE sources and fiber amplifiers.

For additional information contact:

Philippe Brak
VP of Sales and Marketing
NP Photonics
PBrak@npphotonics.com
Tel. 520 799 7496
Fax 520 799 7403
www.npphotonics.com