

For Immediate Release
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Press Release

NP Photonics Releases Ultra Narrow Linewidth Fiber Laser

200 Hz Linewidth at 25 mW Power for Sensing, RF-Photonics, Metrology, Communication and General R&D

Tucson, AZ, May 23, 2005 – NP Photonics expands its portfolio of industry-leading Scorpio single frequency fiber lasers with the introduction of the Scorpio Brillouin Fiber Laser. The laser delivers light of extremely high spectral purity with an unprecedented spectral linewidth of 200 Hz and is offered with 25 mW of CW output power in a stand-alone unit. NP Photonics' new laser operates over the eye-safe wavelengths of the C-band (1530 nm – 1565 nm). The all-fiber design makes this laser robust against environmental disturbances and integrated electronic controls ensure low frequency and intensity noise.

The new ultra-narrow linewidth fiber lasers represent a the breakthrough in terms of commercially available low noise laser technology and will pave the way to a variety of new applications in sensing, RF-photonics, metrology, communication and general research and development applications.

“We knew that by taking advantage of our EMF laser technology and incorporating it into the right design, we would be able to deliver a laser with extremely narrow linewidth. The biggest challenge was to develop a robust turnkey system that would work without requiring the customer to do any installation, adjustment, or maintenance. With the Scorpio Brillouin Fiber Laser, our engineers have delivered what we hoped for.” said Philippe Brak, VP of Sales & Marketing for NP Photonics.

The Scorpio Brillouin Fiber Laser will be introduced at the CLEO 2005 show in Baltimore at NP Photonics' booth #1341 and will be available with a delivery time of 8 weeks.

NP Photonics is using innovative glass and fiber technology to design, produce and deliver a new class of advanced optical light sources for sensing, medical and R & D markets. The company has developed a broad family of products including Narrow-Linewidth Fiber Lasers, ASE sources, Fiber Amplifiers, and High-Power Light Sources.

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