

For Immediate Release

Spectra-Physics® Unveils Ultra-Compact Femtosecond Laser

- New air-cooled ultrafast laser is ideal for fixed wavelength multiphoton imaging and nano-structuring

Santa Clara, CA – February 3, 2014 – Spectra-Physics®, a Newport company, introduces HighQ-2™, a new ultra-compact, air-cooled, fixed wavelength industrial femtosecond (fs) laser. The ultrafast laser delivers short pulses, high peak power (>190 kW) and a highly focusable beam profile, making it perfect for fixed wavelength multiphoton imaging, micro- and nano-structuring, micro- and nano-surgery, and micro-dissection applications.

“HighQ-2 is a new class of industrial femtosecond lasers with exceptionally precise performance in a tiny, air-cooled package,” says Klaus Madlener, managing director for Spectra-Physics in Rankweil, Austria. “The new laser is ideal for powering a range of high precision applications in bio-imaging, bio-medical and microprocessing that require a near-perfectly controlled beam and ultrashort pulse.”



Available in infrared (IR) and green wavelengths, HighQ-2 has a tiny footprint of $9 \times 8 \times 4$ inches (222 x 204 x 101 mm) and is a reliable OEM laser for 24/7 operation. The laser has the combination of true turnkey operation and fast, cold-start turn-on, making it quick and easy to install and operate. HighQ-2 is equipped with long-life diodes, a sealed optical cavity design, and is manufactured in a controlled, clean room environment. The result is a highly dependable laser with long lifetime, high uptime, and low cost of ownership.

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Spectra-Physics' new HighQ-2 laser will be featured at SPIE Photonics West, Moscone Center, San Francisco, CA, February 4 - 6, 2014. Please visit Spectra-Physics at booth #1301 for a demonstration. For more information, go to www.spectra-physics.com/HighQ-2.

About Spectra-Physics

Founded over 50 years ago as the first commercial laser company, Spectra-Physics delivers breakthrough technologies that transform the way businesses operate and people live. From the manufacturing floor to the operating room to the research laboratory, the company has blazed a trail of discovery and success in lasers that continues to advance every day. Spectra-Physics is singularly focused on helping its customers use precision laser technologies to advance leading-edge science and propel industries forward. The company does so by offering groundbreaking technologies, deep applications expertise, disruptive cost-performance, a commitment to world-class customer experience, and the highest standards for operational excellence and continuous global improvement. Spectra-Physics is a Newport company and has offices in countries around the world, serving customers across a broad range of industry segments.

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