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New Bioinstrumentation Lasers Offer Higher Power in a Smaller Package

Santa Clara, Calif., June 15, 2009 – Two new bioinstrumentation lasers from Coherent, Inc. (Santa Clara, CA) (Nasdaq: COHR) deliver the highest power yet available in a compact package. Specifically, the Sapphire™ 488 LP now offers 150 mW of CW output at 488 nm, while the Sapphire 561 LP provides 200 mW of power at 561 nm. These two new lasers, available in an OEM and CDRH configuration, measure just 125 x 70 x 34 mm, making them particularly easy to integrate into benchtop instrumentation. Integration is further aided by the high efficiency of the optically pumped semiconductor laser (OPSL) technology utilized in Sapphire LP series products, which produces minimal waste heat. Also, a USB port interface (OEM version only; in addition to the analog and RS-232 ports previously available) enables simple software control of laser operation and readout of all laser operating and status parameters. In addition, a new OEM controller board, available for all Sapphire LP products, is approximately half the size of the prior version.

The Sapphire LP 488 and Sapphire LP 561 are primarily targeted at life science applications, such as flow cytometry, confocal microscopy, and sequencing in genomics and proteomics. In these uses, their unique combination of small size and high output power enable construction of highly compact instrumentation. Furthermore, these cost effective lasers do not sacrifice performance. In particular, they deliver excellent beam quality ($M^2 < 1.1$), low noise (<0.25% rms from 20 Hz to 2 MHz) and high pointing stability (<30 μ rad), resulting in stable, low noise instrument operation. And they are also very cost-effective; OPSL technology has a long track record of delivering exceptional reliability and leading lifetimes, therefore enabling minimum long term cost of ownership.

Founded in 1966, Coherent, Inc. is a Russell 2000 Index company and a world leader in providing laser-based solutions to the commercial and scientific research markets. Please direct any questions to Andreas Zuck, Product Line Manager, at +49 451 3000 368, or 1-800-527-3786. For more information about Coherent, including product and financial updates, visit our website at <http://www.Coherent.com>.