

**For Immediate Release
No. 1195**

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New Green Laser Optimized for Cost Sensitive Micromachining

Santa Clara, Calif., August 24, 2009 – A new pulsed green laser from Coherent, Inc. (Santa Clara, CA) (Nasdaq: COHR) delivers high performance for cost sensitive processes which require only moderate output power. The new AVIA 532-23 is a Q-switched, frequency doubled, diode pumped solid-state laser, offering 23W of average power at a wavelength of 532 nm. With a repetition rate of up to 300 kHz, this AVIA laser delivers an excellent combination of high throughput speed and low cost of ownership for applications such as P2 and P3 patterning of thin film solar cells, micromachining of Micro SD card packages, microelectronics package singulation and silicon via drilling.

This new laser extends the AVIA platform to medium power levels while still offering the same proven reliability and advanced feature set found in more powerful AVIA lasers. Specifically, this includes PermAlign™ solder-bonding technology for drift free mounting of all the resonator optics, as well as long-lived AAA™ (Aluminum-free Active Area) pump laser diodes. The AVIA 532-23 also incorporates PulseEQ™ to deliver constant pulse energy over time, even with varying repetition rates, and ThermEQ™ to guarantee uniform pulse energy when the laser is operated in burst mode. Together, these features provide the ability to regulate the energy delivered to the work surface without causing any change to other beam parameters, thus enhancing process consistency and flexibility.

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 Mark Mondry, product manager, at (408) 764-4170. For more information about Coherent, including product and financial updates, visit our website at <http://www.Coherent.com>.