



FOR IMMEDIATE RELEASE

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## Ophir-Spiricon Introduces Low Cost, Portable Industrial Beam Profiler for High Power CO<sub>2</sub> Lasers

**System Eliminates Mode Burns, Allows for Prediction and Scheduling of Periodic Maintenance**

April 6, 2009 – Logan, UT – Ophir-Spiricon, the global leader in precision laser measurement equipment, today announced **ModeCheck™**, the **Industrial CO<sub>2</sub> Laser Beam Profiler**.

ModeCheck is a low cost, portable beam profiling system that enables the quantitative measurement and viewing of high power CO<sub>2</sub> beams. Designed to verify performance and reduce changeover time for industrial parts manufacturers, the system measures key characteristics of the laser beam profile in real-time and stores mode images for later recall and comparison.

**ModeCheck** monitors high power CW and pulsed lasers in the 8-30 $\mu$ m range with intensities up to 30 W/cm<sup>2</sup>. The system reduces the time needed for changeovers between jobs. The user can quickly place the ModeCheck head in front of the laser, then see and measure the beam profile to confirm optimal laser performance. ModeCheck delivers accurate 2D and 3D renderings of the beam profile in real-time. When used regularly, the user



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can compare measurement changes from the same set-up and make necessary adjustments, keeping the laser output constant for the same job from day-to-day. Over time, the user will be able to measure laser degradation and predict and schedule down-time for maintenance.

“ModeCheck replaces the laborious process of acrylic mode burns, which produce toxic fumes and, at best, rough estimates of beam shape and size,” stated Gary Wagner, President of Ophir-Spiricon Inc. “Manufacturers are under intense pressure to maintain quality and produce increasingly customized products. ModeCheck was created for exactly this scenario. It instantly sees and measures the beam, reducing setup times and optimizing laser efficiency.”

### **Pricing and Availability**

The **ModeCheck Industrial CO<sub>2</sub> Beam Analyzer** is available now. OEM pricing is available on request.

### **About Ophir-Spiricon**

Established in 1978, Ophir-Spiricon is part of the Ophir Optronics Laser Measurement Group. The Laser Measurement Group provides a complete line of instrumentation including power and energy meters, beam profilers, and spectrum analyzers. Dedicated to continuous innovation in laser measurement, the company holds a number of patents, including **Ultracal™**, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The company’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit [www.ophir-spiricon.com](http://www.ophir-spiricon.com).

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