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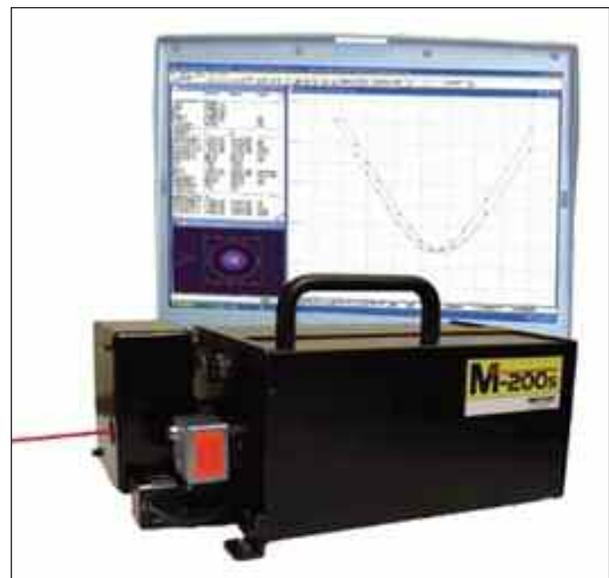
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Ophir-Spiricon's M²-200s Automated M² Laser Beam Propagation Analyzer Enhances Robust Packaging for 24/7 Operation

Measuring M² Video: <http://bit.ly/ROLknG>

May 19, 2014 — North Logan, UT — Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the newest version of the M²-200s, the company's camera-based beam propagation analyzer. The M²-200s is an ISO 11146 compliant system that automatically measures laser beam quality in less than two minutes. It features a robust design that supports continuous, 24/7 operation. The latest version enhances the system's robust packaging with an all-new motor controller that decreases noise from motor



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movement by 30%.

The **M²-200s** is a compact, portable unit that features a CCD camera for use with pulsed or CW lasers, 266nm – 1300nm. The system automatically measures M², beam waist location and width, divergence, astigmatism, asymmetry ratio, and the Rayleigh range for each axis. Input beam sizes can range from 0.5mm – 10mm. Manual mode is available for beams that are too large or too small, or for wavelengths outside the standard optical train.

“M² is a common measure of the beam quality of a laser, allowing the laser to be tuned for optimum performance,” stated Gary Wagner, General Manager (U.S.), Ophir Photonics. “The redesigned M²-200s, the world's top selling beam propagation system, provides high accuracy ISO 11145 compliant measurements and increased attention to durability and operational robustness for continuous use applications -- three shifts a day, seven days a week.”

The **M²-200s** is fully ISO 11145 compliant, using a fixed position lens and moving detector. This allows measurement of M² values whether the laser beam is diverging or converging. Non-ISO compliant instruments compromise results by using a moving lens and fixed detector.

The **M²-200s** supports both the 64-bit and 32-bit versions of Windows® 7, enhancing system configuration options and increasing processing speed. The software displays a 2D or 3D beam profile of the currently measured point in the beam propagation curve. After each run, the beam profile of any individual measured point can be observed. Outlying or anomalous points can be automatically or manually excluded from the curve fit calculations for more accurate results.

The **M²-200s** software is based on Spiricon's patented **UltraCal™** calibration method and auto aperturing. This excludes noise beyond the wings of the laser beam and assures high accuracy measurements.

Availability & Pricing

The **M²-200s** is available now. Data sheet: <http://bit.ly/S7Objx>

About Ophir Photonics

With over 30 years of experience, Ophir Photonics, a Newport Corporation brand, provides a complete line of instrumentation including power and energy meters, beam profilers, spectrum analyzers, and goniometric radiometers. Dedicated to continuous innovation in laser measurement, the company holds a number of patents, including the **R&D 100** award-winning **Beam-Track** power/position/size meters and Spiricon's **Ultracal™**, the baseline correction algorithm

that helped establish the ISO 11146-3 standard for beam measurement accuracy. The Photon family of products includes **NanoScan** scanning-slit technology, which is capable of measuring beam size and position to sub-micron resolution. The company is **ISO/IEC 17025:2005** accredited for calibration of laser measurement instruments. Their modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit <http://www.ophiropt.com/photonics>

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