FOR IMMEDIATE RELEASE

For more information contact:

Gary Wagner, General Manager, Ophir Photonics (U.S.), gary.wagner@us.ophiropt.com
Shari Worthington, PR Counsel, Telesian Technology, sharilee@telesian.com

Spiricon M²-200s Automated M² Laser Beam Propagation Analyzer Adds Support for 64-bit Processing

October 1, 2012 — North Logan, UT – Ophir Photonics Group, the 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. The latest version adds support for the 64-bit Windows® 7, addressing more physical memory, minimizing the time required to swap processes, and speeding up the measurement cycle to less than two minutes.
Designed for continuous 24/7 use, the M2-200s features a CCD camera that works with pulsed or CW lasers, 266nm – 1300nm. The compact, portable 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 measurements verify a beam’s focus-ability and determine whether you’re getting the laser you expected,” stated Gary Wagner, General Manager, Ophir Photonics. “Accuracy is important. Unlike non-ISO compliant instruments, the M²-200s uses a fixed position lens and moving detector. This allows the system to measure M² values even when 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.

M²-200s 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 Ophir-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’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit http://www.ophiropt.com/photonics

###

For more information, contact:
Gary Wagner, General Manager
Ophir Photonics (U.S.)
3050 North 300 West
North Logan, UT 84341
Tel: 435-753-3729
E-mail: gary.wagner@us.ophiropt.com
Web: www.ophiropt.com/photonics

PR Office:
Shari Worthington
Telesian Technology
49 Midgley Lane
Worcester, MA 01604
Tel: 508-755-5242
E-mail: sharilee@telesian.com

© 2012. BeamGage, BeamMaker, BeamMic, and Ultrcal are trademarks of Ophir-Spiricon. All other trademarks are the registered property of their respective owners.