



FOR IMMEDIATE RELEASE

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## **M<sup>2</sup> Beam Propagation Analyzer Receives Major Upgrades/Reduced Size**

**EDITORS:** High resolution images are available for download at <http://www.ophir-spiricon.com>

Logan, UT (July 11, 2007) – Ophir-Spiricon Inc. announces major upgrades and reduced size of their 200S Beam Propagation Analyzer. The M<sup>2</sup>-200S upgrades include: a physical size reduction of almost one-half of its predecessor, reports measurements up to 2-3X faster, and is more robust, insuring 24/7 reliability. The M<sup>2</sup>-200S maintains the company's leadership position as the only ISO compliant system for all reported measurements.

### **Automatic M<sup>2</sup> – at Production Speeds**

Software improvements in the M<sup>2</sup>-200S, including more efficient algorithm execution has decreased the measurement reporting time by 2-3X, making it possible to report M<sup>2</sup> in under two minutes. All these measurements and translations, as well as incremental beam attenuation, are automatically controlled by the M<sup>2</sup>-200S software.

### **Accurate**

“Ophir-Spiricon has a proprietary method of using software apertures to exclude noise beyond the wings of the laser beam, reports Kenneth Ferree, VP Sales & Marketing. This contributes greatly to beam width measurement accuracy, especially when the beam is focused to a small waist and covers only a small number of pixels.”

### **Increased Reliability**

With customers wanting to deploy applications for continuous use; three shifts a day, seven days a week, increased attention in these areas and endurance testing of critical components has been a major focus in the new M<sup>2</sup>-200S.

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**General Specifications:**

Measurements	$M_x^2, M_y^2, K_x, K_y, BPP_x, BPP_y$ Width at waist $W_x, W_y$ Divergence angle $\theta_x, \theta_y$ Waist location $Z_x, Z_y$ Astigmatism Asymmetry ratio
(Additionally, statistical results are available on all measurements)	
Wavelength Range	UV operation between 250-370nm (handles quad and tripled YAG's) Visible operation from 400-700nm (handles doubled YAG's) NIR operation from 650-1100nm (1064nm YAG) NIR operation from 1000-1800nm (1064nm YAG plus telecom)
Physical Dimensions	26 cm W x 17 cm H x 44 cm L (10 in W x 7 in H x 17 in L)

**About Ophir-Spiricon Inc.**

Ophir-Spiricon Inc., the world leader in laser beam profile instruments for the past 29 years, produced the first linear pyroelectric array for laser beam diagnostics in 1978. The Pyrocam III pyroelectric matrix array camera is the industry standard for measuring CO<sub>2</sub> and other IR and far IR lasers from 1 $\mu$ m to 1000 $\mu$ m. Spiricon's beam analysis algorithms revolutionized the accuracy of CCD camera measurement of visible and near IR lasers, using the patented Ultracal™ method of baseline setting. Other leading edge products from Spiricon measure beam focusability, wavefront phase, telecom device characteristics, and industrial laser reliability.

Ophir-Spiricon is part of the Ophir Laser Measurement Group headquartered in Jerusalem, Israel. The Ophir Laser Measurement Group manufactures, calibrates and sells a complete line of instruments for laser power meters, laser energy meters, laser beam analyzer instrumentation, laser measurement tools and spectral analysis instruments.

For more information, see [www.ophir-spiricon.com](http://www.ophir-spiricon.com)

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