



FOR IMMEDIATE RELEASE

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## **Ophir-Spiricon's LBA, High Accuracy Laser Beam Profiling Software, Features Patented Beam Measurement System, Pointing Stability, and Support for Microsoft Windows Vista 32 OS**

August 18, 2008 – Logan, UT – Ophir-Spiricon, the global leader in precision laser measurement equipment, today announced the latest version of **LBA**, the company's high accuracy laser beam analysis software. LBA measurement precision is based on **Ultracal™**, the company's patented, baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. Ultracal ensures the highest accuracy and reliability in the industry by retaining negative signals essential for making correct beam width measurements and for extracting weak signals out of noise. LBA also features a **Pointing Stability** program that collects centroid and peak data from the LBA core system and displays it graphically; this is critical for maintaining accuracy in welding, laser manufacturing, and military range finder applications. The newest version of LBA operates on the Microsoft® Windows® Vista 32 operating system and works with Ophir-Spiricon's **SP503U** and **SP620U**, new USB 2.0 CCD cameras that feature the highest dynamic range in the industry, up to 64dB.

Designed for a variety of scientific R&D and manufacturing applications, **LBA** contains all the algorithms and calculations necessary to make the most accurate beam measurements, including quantitative calculations, 2D and 3D viewing, user-defined apertures, multiple frames averaging and summing, zoom up to 32 times the original size, and user-selectable Z-axis (intensity) scal-

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ing. An ActiveX® interface allows data to be shared with other applications, including MATLAB® and LabVIEW®.

“LBA is the industry’s most advanced beam analysis software,” stated Gary Wagner, President, Ophir-Spiricon, Inc. “Unique features include the ability to calculate statistics on an unlimited number of frames. This is an important capability for enterprise-critical applications, such as production operations that monitor pass/fail limits. LBA also provides assured data integrity -- once an image is saved, it cannot be altered. This is an important feature for researchers who are publishing their findings. And LBA’s accuracy is unmatched. With Ultracal, the baseline can be calculated to better than 1/8th of one digital count, pixel by pixel, allowing profiling of the smallest spot sizes in the industry.”

### **Availability**

**LBA** laser beam profiling software is available now. The data sheet can be viewed at <http://www.ophiropt.com/laser-measurement-instruments/beam-profilers/products/scientific-technology-application/laser-beam/lba-software>.

### **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. Wholly-focused on laser measurement, the group’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. An unwavering commitment to forward thinking helps keep us “the partner of choice.” For more information, visit [www.ophir-spiricon.com](http://www.ophir-spiricon.com).

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