



FOR IMMEDIATE RELEASE

For more information contact:

Gary Wagner, General Manager (U.S.), Ophir Photonics, gary.wagner@us.ophiropt.com

Shari Worthington, PR Counsel, Telesian Technology, sharilee@telesian.com

Sales Inquiries: sales@us.ophiropt.com

## Ophir Photonics' BeamGage® Laser Beam Profiling Software Features Enhanced Computation Engine

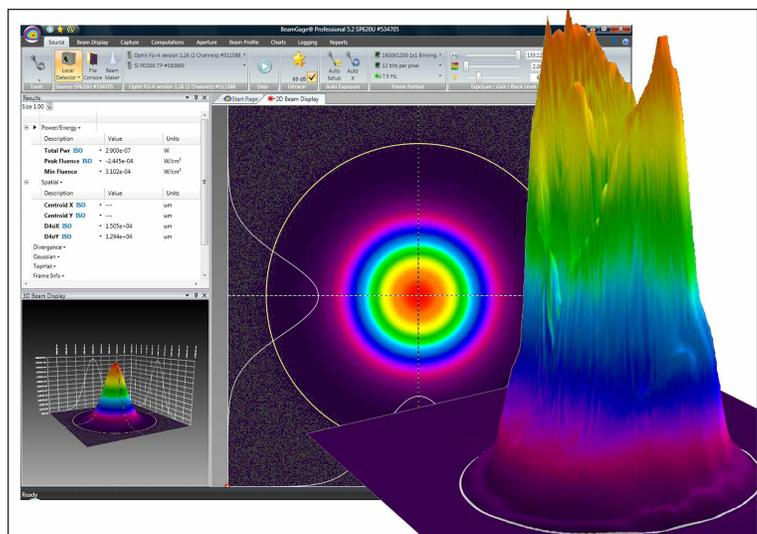
**BeamGage** Tutorial Spot Size and Divergence: <http://youtu.be/E-VzA8BKdIU>

February 6, 2014 — San Francisco, CA — Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the newest version of

**BeamGage®** at **Photonics West 2014**.

BeamGage 6.1 is a state-of-the-art beam profiling system that performs extensive data acquisition and analysis of laser beam parameters, such as beam size, shape, uniformity, divergence, mode content, and expected power distribution.

The new version features a major upgrade of the computation engine to improve cycle time, responsiveness of the user in-



Ophir-Spiricon, LLC  
3050 North 300 West  
North Logan, UT 84341  
Tel: 435-753-3729  
Fax: 435-755-5454

[www.ophiropt.com/photronics](http://www.ophiropt.com/photronics)

terface, and enhance the ability to work with apertures and partitions. This improves the performance and speed of the software, especially when analyzing different beams or sources of light (e.g. LEDs, optic fibers, etc.), and for heavy computations, such as measuring multiple beam profiles, comparing key statistics, and 3D viewing in real-time. BeamGage also features a new strip chart function that allows for zooming and panning, charting of partitions, and storing 10,000+ data points with no decrease in performance.

“Measurement cycle time is critical in most beam profiling applications as knowing what the beam is doing dynamically has a drastic effect on the process outcome, especially in those first few seconds,” stated Gary Wagner, General Manager (U.S.) of Ophir Photonics. “Most laser processes start immediately, once power is turned on. Many process problems are traced back to dramatic spatial power changes within the first few seconds.”

**BeamGage** includes more than 55 measurements and calculations, many based on ISO standards. These include fast, off-axis correction of distorted beam images; trend charting; data logging; power/energy calibration; and pass/fail production testing. Laser manufacturers and researchers can easily import their own custom algorithms created in C#/NET using **Custom Computations**. This expands the software’s functionality to an even wider array of applications, from fiber optic signal analysis to production parts inspection to military targeting systems

**BeamGage** is based on the patented **UltraCal™** baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. BeamGage supports auto-setup and auto-exposure for fast set-up and optimized accuracy, NIST traceable power measurements, and a wide variety of CCD cameras, including the 11 megapixel, 35mm format **USB L11059 Large Format Beam Profiling Camera**. 2D viewing provides continually zoomable and resizable displays in floatable windows. 3D graphics utilize solid surface construction with lighting and shading effects.

**BeamGage 6.1** supports both the 64-bit and 32-bit versions of Windows® 7. It is available in three versions:

- **BeamGage Standard** features **BeamMaker®** beam simulator, automatic camera control, and a comprehensive set of analysis algorithms.
- **BeamGage Professional** adds partitioning of the camera output for separate analysis of multiple laser beams from sources such as fiber, a .NET interface for full remote control when integrating beam analysis into an automated application, and camera sharing.
- **BeamGage Enterprise** includes support for an unlimited number of partitions, as well as for high-speed, networked cameras, including GigE, Gigabit Ethernet, and local LANs.

The software supports the **English, German, Japanese, and Chinese** Windows OS in 32- and 64-bit modes. Multilingual GUI is supported in English, Japanese, and Chinese.

### **Availability & Pricing**

**BeamGage** is available now. OEM pricing on request. BeamGage data sheet:

<http://bit.ly/wStb8D>

### **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 award-winning **BeamTrack** 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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#### **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](mailto:gary.wagner@us.ophiropt.com)

Web: [www.ophiropt.com/photonics](http://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](mailto:sharilee@telesian.com)

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