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For more information contact:

Sales Inquiries: sales@us.ophiropt.com

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

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

Ophir-Spiricon Announces Laser Beam Splitters/ Attenuators for Large Beams to 1-Inch Diameter, Powers to 500W

August 18, 2014 — North Logan, UT — Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the **LBS-400 Beam Splitters**, a family of laser beam samplers that control and adjust beam output power that reaches the beam profiling camera. The LBS-400 samplers are the largest, dual-wedge attenuators on the market. They measure UV, NIR, or IR wavelength beams with diameters up to 1 inch (25.4mm) and power levels from 10mW to 500W. For use with the **Pyrocam™** pyroelectric beam profiling cameras, the splitters combine a compact, portable design with high



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

www.ophiropt.com/photronics

power ranges, making the LBS-400 an ideal solution in any situation where beam profiling must be performed in a relatively small area. In addition, Mid-IR and Far-IR wavelength lasers with focused spots down to approximately 1.5mm can be easily characterized.

The **LBS-400 Beam Splitters** are designed so the preferential polarization selection effect of a single wedge is cancelled out and the resulting beam image is polarization corrected to restore the polarization components of the original beam. The splitters reflect approximately 1% of the input beam, allowing about 99% of the beam to pass through at a 5° angle into a beam dump or power meter. A set of adjustable filters further reduce the intensity of the beam before reaching the camera.

There are three **LBS-400** configurations:

- **LBS-400-UV**: fused silica UV wedges for wavelengths from 266 – 355nm, sampling $\leq 1.5\%$ of the beam
- **LBS-300-NIR**: BK7 wedges for 1064nm wavelengths, sampling $\leq 1\%$ of the beam
- **LBS-300-IR**: ZnSe wedges for 10.6 μm , sampling $\leq 1\%$ of the beam

Pricing and Availability

The **LBS-400 Beam Splitters** are available now. OEM pricing available on request.

LBS-400 data sheet: <http://bit.ly/1r1hasD>

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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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

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