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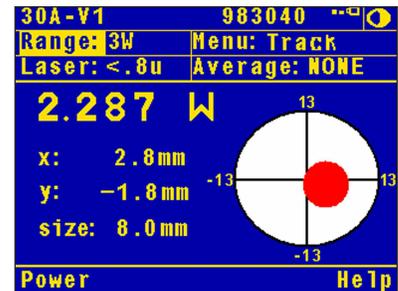
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Ophir Photonics Group Introduces BeamTrack, Industry's First Laser Power/Position/Size Sensors

May 23, 2011 – Logan, UT – Ophir Photonics Group, the global leader in precision laser today an-

nounced at **LASER World of Photonics** the **BeamTrack Laser Power/Position/Size Sensors**. BeamTrack is a unique series of thermal detectors that combine multiple functions in one device: power, energy, beam position, and beam size. The sensors also provide information on centering and beam wander, all in a compact unit that is the same size as single function detectors of the same power level.

“BeamTrack sensors are the first in the market to allow users to monitor all of a laser’s main parameters,” stated Ephraim Greenfield, CTO, Ophir Photonics Group. “You can now measure not only power and energy, but also beam position and beam size. The new beam centering feature means the sensors deliver the most accurate power and energy measurements. This is especially important for small aperture devices.”



Ophir Photonics Group's BeamTrack



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BeamTrack sensors are the only laser detectors able to measure power, position, size (PPS), energy, centering, and wander in a single device. Sensors are available with a range of aperture sizes, from small 12mm to large 50mm. The detectors use broadband or P-type absorbers and measure a broad spectral range –150nm to 20 μ m. The BeamTrack line includes five (5) PPS sensors.

- Two models with full beam size capability for powers up to 150W
- Two models with beam tracking capability for low powers to 3W
- Three models with full beam size capability covering other power levels: 10W, 250W, and 400W

BeamTrack Power/Position/Size Sensors are designed to divide the sensor signal into quadrants, measuring and comparing the output to determine the position of the center of the beam to a high degree of accuracy. This quantitative measure of beam position provides the ability to track beam wander. In addition, a patented beam size detector is embedded in the sensor. Beam size is calibrated for Gaussian beams; for other beams, the sensor provides relative size information and indicates if beam size is changing.

BeamTrack sensors operate with Ophir's **Nova II** and **Vega** smart displays, and Juno PC interface. Each display features a "Smart Connector" interface that automatically configures and calibrates the display when plugged into one of the company's measurement heads.

Pricing and Availability

The BeamTrack Power/Position/Size Sensors are available now. OEM pricing is available on request. Watch the BeamTrack video: <http://www.youtube.com/watch?v=U2oliO-Cz8M>. The data sheet can be viewed: http://www.ophiropt.com/user_files/laser/power_meters/beamtrack.pdf

About Ophir Photonics Group

With over 30 years of experience, the Ophir Photonics Group 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 recently acquired 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>

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