



OPTIMET™
OPHIR Photonics
A Newport Company

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For more information contact:

Dr. Kalman Wilner, Application Manager, Optimet, kalman.wilner@optimet.com

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

Sales Inquiries: sales@optimet.com

Optimet™ to Feature Newest Non-Contact Sensors and Scanners for Industrial Applications at Control 2014

EDITORS: High resolution images available for download at <http://www.telesian.com/marketing/vpr/op/op043014-01.cfm>

April 30, 2014 — Jerusalem, Israel — Optimet™ — developer of non-contact measurement sensors and scanners for complex objects with hard-to-measure geometries and a Newport Corporation brand — will demonstrate its newest industrial products at **Control 2014**, the world's leading trade fair for quality assurance, Stuttgart, Germany, May 6-9, 2014, Hall 1 / Booth 1329. Featured will be the compact, high data rate **Nano 9000** sensor for industrial applications involving highly reflective surfaces, such as glass, mirrors, and shiny metal. In addition, the recently released high data rate **Mark 10** sensor for diffusive objects will be on display; the



Optimet
10 Hartum Street
Jerusalem 9145001 Israel
Tel: +972 2 548 2900
www.optimet.com

Mark 10 comes with an autoexposure feature that allows for easy setup and robust results. The company will also showcase its **Conoscan 4000**, a 3D scanner system that incorporates the company's precision sensors for measuring radii, diameters, angles, heights, hole and groove depths, sphere radii, distances, and full 3D CAD.

“Unlike other 3D measurement methods, such as triangulation, Optimet sensors are based on our patented Conoscopic Holography technology,” stated Reuven Silverman, General Manager of Optimet Israel. “This means the laser source and detector are collinear, so narrow bore holes, steep angles, and other difficult shapes can easily be measured, with precision and high repeatability. Optimet sensors work on a wide variety of complex surfaces, materials, and geometric patterns. The sensors permit replacement of different focal length objectives, depending on working range and standoff, giving the sensors a unique versatility not available with other technologies.”

Optimet sensors measure distance, surface properties, 2D profile, thickness, and 3D topography to sub-micron precision. The sensors deliver a true measurement rate of up to 9000 Hz, without the need for averaging. The sensors can be used for measuring distances on a wide variety of materials, from tens of microns to tens of centimeters. In addition, they can handle a grazing incidence of up to ± 80 degrees.

About Optimet

Optimet™ (Optical Metrology Ltd.), an Ophir Photonics / Newport Corporation brand, provides sophisticated, non-contact measurement sensors and scanners for distance, 2D, and 3D measurements of complex, hard-to-measure objects. Products include point sensors, line sensors, and scanners based on the company's patented distance measurement technique called **Conoscopic Holography**; this allows measurement of narrow holes, steep angles, and other difficult shapes to sub-micron levels. Found in more than 5000 installations worldwide, the modular, customizable solutions are used in a range of surface metrology applications, including in-process inspection, quality control, and reverse engineering, in the automotive, aerospace, electronics, display, steel, and dental CAD/CAM industries. For more information, visit www.optimet.com

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Sales Inquiries: sales@optimet.com

For more information, contact:

Shmulik Barzilay, International Sales Manager
Optimet
10 Hartum Street
Jerusalem 9145001 Israel
Tel: +972 2 548 2900
E-mail: shmulik.barzilay@optimet.com
Web: www.optimet.com

PR Office:

Shari Worthington
Telesian Technology
49 Midgley Lane
Worcester, MA 01604 USA
Tel: 508-755-5242
E-mail: sharilee@telesian.com

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