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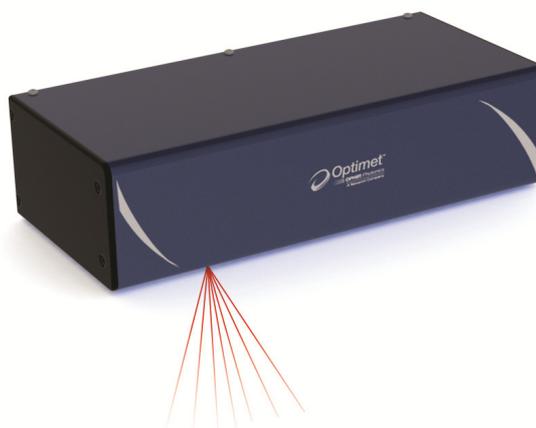
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## **Optimet™ Introduces ConoLine-100, Non-Contact Laser Line Distance Sensor for Measuring Complex Geometries & Steep Angles at Control 2015**

**EDITORS:** High resolution images are available for download at <http://www.telesian.com/marketing/vpr/op/op042715-01.cfm>

April 27, 2015 – Jerusalem, Israel – Optimet™ — developer of non-contact distance measurement sensors and scanners for complex objects with hard-to-measure geometries and a Newport Corporation company — will introduce the **ConoLine-100** non-contact laser line projection system for measuring distances at [Control 2015](#), the world's leading trade fair for quality assurance, Stuttgart, Germany, May 5-8, 2015, Hall 1 / Booth 1329. Designed for diffusive and semi-diffusive surfaces, the **ConoLine 100** optical line sensor features a rotating mirror that delivers higher scanning speeds and adjustable line lengths (angles) at high scanning speeds for a variety of lateral resolutions.



Optimet ConoLine 100

The company will also demonstrate the **ConoPoint-10** and **ConoPoint-20** point sensors at the show. The ConoPoint-10 is designed for distance, surface contour, 2D profile, thickness, and 3D measurements. A unique, periscope accessory can measure bottom and side walls of small holes with diameters as small as 6mm. The ConoPoint-20 is a faster, 20kHz version of the ConoPoint 10.

“Our R&D resources are focused on meeting the challenges of the industrial measurement market, including handling complex geometries, steep grooves, and narrow bore holes,” stated Reuven Silverman, General Manager of Optimet Israel. “The ConoLine 100 is a unique line sensor based on our patented Conoscopic

Holography technology. It delivers point sensor accuracy that works in a variety of applications, from tire mold inspection to laser welding and drilling. The ConoPoint-20 offers fast measurement capabilities while allowing measurements down to the sub-micron level.”

The **ConoLine 100** optical line sensor uses a rotating mirror to produce laser line speeds up to 100 lines/sec, and point sensor accuracy down to 1 micron. The adjustable line angle allows the sensor to scan undercuts, steep grooves, and angles up to  $\pm 120$  degrees. All data processing, including pre-programmed functions, are housed in one-integrated unit...the sensor head.



Optimet ConoPoint-10 with periscope

The **ConoPoint-10** non-contact point sensor features a periscope that can measure the bottom and side walls of small holes with diameters down to 6mm.

Unlike triangulation sensors, the ConoPoint-10 uses a collinear design that allows light to travel down and back on the same axis. This means the sensor can inspect 90 degree angles, as well as complex geometries, steep grooves, and angles up to 150 degrees.

The **ConoPoint-20** is made for fast scanning applications that require speeds up to 20kHz, such as inspecting rubber tire grooves. Like the ConoPoint-10, it features a periscope for small, tight measurements. The periscope’s telescopic design avoids tip damage in the axial direction.

**ConoLine 100** data sheet: <http://goo.gl/gI3HUj>

**ConoPoint-20** data sheet: <http://goo.gl/7Vhq13>

**ConoPoint-10** data sheet: <http://goo.gl/lqUzKn>

### 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](http://www.optimet.com)

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