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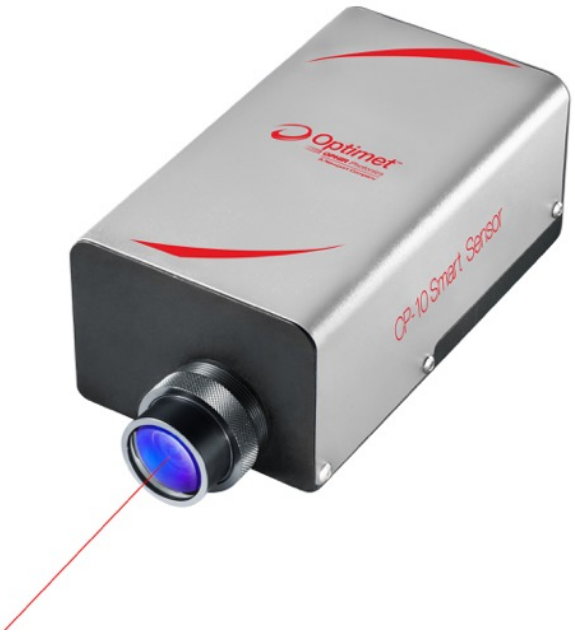
MKS' Ophir Business Unit Announces the Optimet™ ConoPoint-10 Smart Laser Sensor for Inspection of Complex Parts

Andover, MA, May 1, 2017 – MKS Instruments, Inc. (NASDAQ: MKSI), a global provider of technologies that enable advanced processes and improve productivity, announces the **Optimet ConoPoint-10 Smart Sensor** from its Ophir business unit. The ConoPoint-10 is a non-contact laser displacement sensor with built-in profile analysis library for fast and accurate product inspection and 2D profile measurements of complex parts.

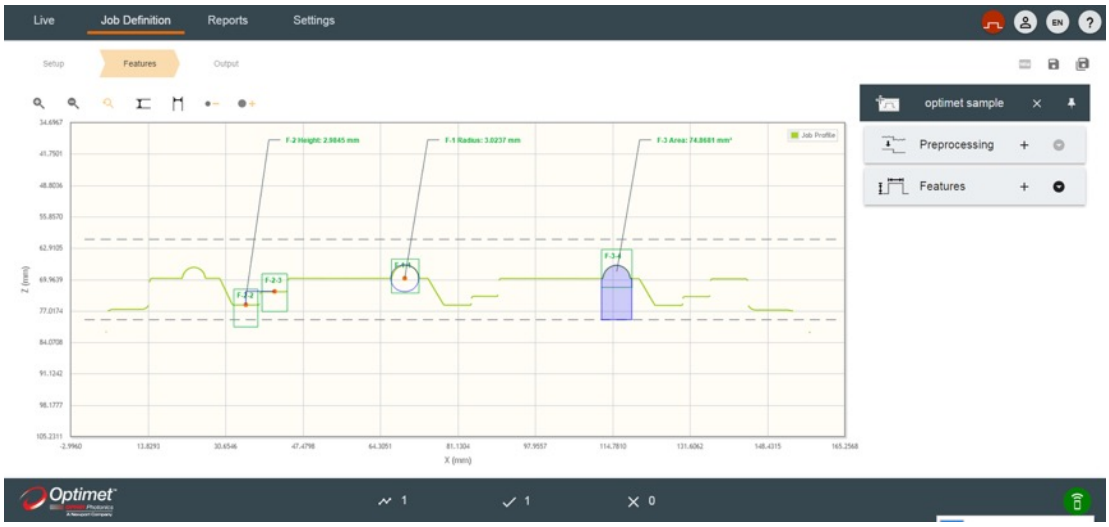
The ConoPoint-10 Smart Sensor's built-in profile analysis library allows the sensor to go beyond simple reporting of displacement values to measuring, analyzing, and evaluating product features and delivering pass/fail results on the production line. Based on MKS' Conoscopic Holography technology, the sensor provides wide-angle coverage of up to ±85 degrees for measuring complex geometries, undercuts, and steep angles.



Reuven Silverman, General Manager, Optimet products, said, "The ConoPoint-10 Smart Sensor features a rich set of algorithms that make integration, measurement, and analysis of complex parts quick and easy. The sensor can be added to a production line in just a few hours, with no need for software integration. Our patented Conoscopic Holography technology provides a unique versatility not available with other measurement systems. The laser source and detector are collinear, so narrow bore holes,

steep angles, and other complex shapes can easily be measured without the limitations of triangulating angles."

Easy-to-use web-based software makes the ConoPoint-10 Smart Sensor quick to set up. A built-in profile analysis library measures distance, height, angle, and radius. Filters are included for smooth point arrays. External triggers and a digital input and output are included for control of the data acquisition process and to deliver Go/NoGo results. A configurable encoder input and pulse allow the sensor to include position information with every measurement. The ConoPoint-10 Smart Sensor's fast 10kHz speed provides true data so each measurement can be used.



MKS will launch the ConoPoint-10 Smart Sensor during Control 2017, the international trade fair for quality assurance in Stuttgart, Germany, May 9-12, 2017, hall 4 booth 4207. Reuven Silverman, General Manager, Optimet products, will present the Smart Sensor at the Exhibitor Forum on Thursday, May 11, 11am.

Availability & Pricing
The ConoPoint-10 Smart Sensor is available now. OEM prices available on request.

Data Sheet: http://www.optimet.com/conopoint-10-smart.php

About MKS Instruments
MKS Instruments, Inc. (NASDAQ: MKSI) is a global provider of instruments, subsystems and process control solutions that measure, control, power, monitor, and analyze critical parameters of advanced manufacturing processes to improve process performance and productivity. Our products are derived from our core competencies in pressure measurement and control, flow

measurement and control, gas and vapor delivery, gas composition analysis, residual gas analysis, leak detection, control and information technology, ozone generation and delivery, RF & DC power, reactive gas generation, vacuum technology, photonics, sub-micron positioning, vibration isolation and optics. Our primary served markets include semiconductor capital equipment, general industrial, life sciences and research. Additional information can be found at www.mksinst.com.

About the Optimet Brand

Optimet™ (Optical Metrology Ltd.) 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

About the Ophir Brand

With over 40 years of experience, the Ophir brand comprises a complete line of instrumentation, including power and energy meters and beam profilers. Dedicated to continuous innovation in laser and LED measurement, the company holds a number of patents, including the R&D 100 award-winning BeamTrack power/position/size meters; BeamWatch®, the industry's first non-contact, focus spot size and position monitor for lasers in material processing; and Spiricon Ultracal™, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The NanoScan family of scanning-slit technology products are capable of measuring beam size and position to sub-micron resolution. The Ophir Optics products include high performance IR thermal lenses and optical elements for the defense, security, and commercial markets, as well as high quality optics for high power CO^2 lasers and 1 micron lasers for cutting, welding, drilling, and 3D printing systems. Ophir is ISO/IEC 17025:2005 accredited for calibration of laser measurement instruments. The company's modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit http://www.ophiropt.com/.

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