



Easily capture things that are better left untouched

ZEISS O-DETECT



Entering the world of optical metrology

ZEISS O-DETECT offers intuitive operation, high-quality imaging and flexible lighting for precise measurements in an instant. The technology is suitable for a wide variety of components but excels with those that are best left untouched. Discover the new generation of optical metrology.



Excellent optics

ZEISS Digital Zoom provides a large field-of-view at high resolutions – increasing efficiency and capturing more details. The high-quality images are captured with a 5-megapixel camera and together with ZEISS processing technology, transform images into precise measurement results.



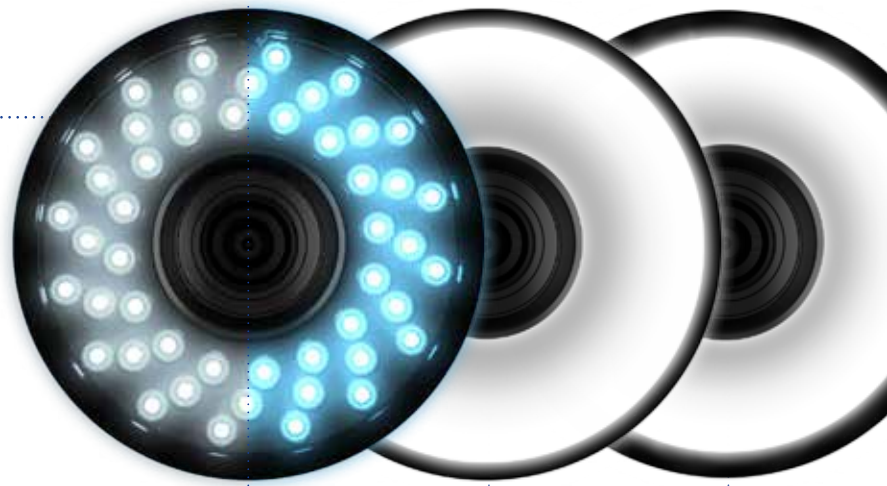
Stable precision

Calibrated to MPE3 per ISO-10360, ZEISS O-DETECT promises reliability and ensures comparability world-wide, while delivering accurate 2D and 3D volume data - valuable in high compliance markets.



Versatile and easy to upgrade

The new exchangeable accessory platform enables users to install, remove or exchange accessories like toplights to ZEISS O-DETECT without the need for service. It also allows for ZEISS ZAPHIRE to automatically understand what accessory is attached to ZEISS O-DETECT or even inform the user if a needed accessory is missing. This allows each user to configure their ZEISS O-DETECT completely according to their budget without being limited for future upgrades.



For now, or for the future

Lighting options include a classic multi-segment blue and a white toplight for general part top lighting, options for lighting shiny workpieces, or optimized lighting for challenging edges.



Simple part navigation and visualization

The integrated 5-megapixel overview color camera locates the part quicker to start measurements. Controlled by the software, it reduces the need to use the joystick.



Intuitive and user-friendly software

Built around a strong focus on the user, ZEISS ZAPHIRE requires only 2 days of training to operate the system. The software also offers various automated features to drive productivity.



Professional and actionable reports

ZEISS PiWeb reporting plus offers one-click documentation and visualization of your measurement data, giving you useful insights into your parts and processes.



ZEISS O-DETECT – Specifications

Camera	ZEISS INVENTA D1		
Measuring volume	in mm ³		300x200x200
Field of view	in mm ²		8,8x6,6
Length measurement error MPE(E)	in 2D	µm	1,9µm+L/150
	in 3D		2,4µm+L/150
Software	ZEISS ZAPHIRE		



Carl Zeiss IQS Deutschland GmbH
Carl-Zeiss-Straße 22
73447 Oberkochen

Vertrieb

Telefon: +49 7364 20 6336
E-Mail: sales.metrology.de@zeiss.com

Service

Telefon: +49 7364 20 6337
E-Mail: info.metrology.de@zeiss.com

Carl Zeiss

Industrial Metrology, LLC

6250 Sycamore Lane North
Maple Grove, MN 55369/USA
Phone: +1 763 744-2400
Fax: +1 763 533-0219
info.metrology.us@zeiss.com
www.zeiss.com/metrology



authorized partner

ACCRETECH (Metrology Company)
TOKYO SEIMITSU CO., LTD.
4, Higashi-Nakanuki-machi,
Tsuchiura-shi, Ibaraki, 300-0006 Japan
Phone: +81 29-831-1234
Fax: +81 29-831-4453
Email: info_metrology@accretech.jp
Internet: www.accretech.jp/