



ZEISS O-DETECT

Easily capture things that are better left untouched



Seeing beyond

Key characteristics

ZEISS O-DETECT is an optical measuring machine that 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

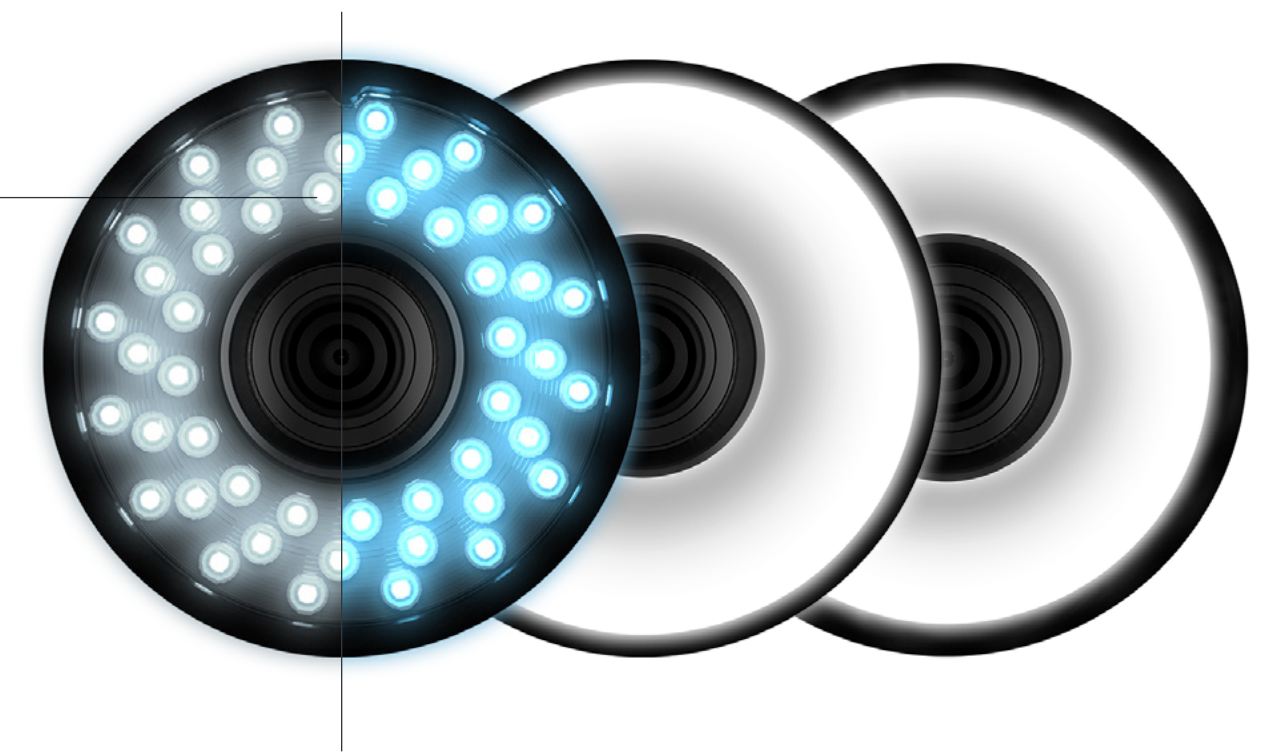
ZEISS Digital Zoom provides a large field-of-view at high resolution – increasing efficiency and capturing more details.

Accuracy and precision

ZEISS O-DETECT provides both 2D and 3D accuracy specifications – a first for this segment. Thanks to calibration in compliance with ISO 10360-7, ZEISS O-DETECT is comparable worldwide and can be trusted to provide consistent and reliable measurement results.

Versatile and easy-to-upgrade

The new exchangeable accessory platform enables users to install, remove or exchange accessories like toplights without the need for service. The software automatically recognizes which accessory is attached or informs the user if a required accessory is missing. With ZEISS XDT single-point sensor option it is possible to upgrade the machine to a multisensory device and get more flexibility.



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

Entering the world of optical metrology. With focus on the user, the handling of the optical measuring system ZEISS O-DETECT is easy to use with ZEISS CALYPSO express.

Professional and actionable reports

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



Technical data

ZEISS O-DETECT 3/2/2

Camera	ZEISS INVENTA D1
Measuring volume	300 × 200 × 200 mm ³
Field of view	8,4 × 7,0 mm ²
Length measurement error MPE(E)	2D: 1,9 μm+L/150 3D: 2,4 μm+L/150
Software	ZEISS CALYPSO

ZEISS O-DETECT 5/4/3

Camera	ZEISS INVENTA D1
Measuring volume	500 × 400 × 300 mm ³
Field of view	8,4 × 7,0 mm ²
Length measurement error MPE(E)	2D: 1,9 μm+L/150 3D: 2,4 μm+L/150
Software	ZEISS CALYPSO



ZEISS O-DETECT 3/2/2



ZEISS O-DETECT 5/4/3

Did ZEISS O-DETECT get your attention?

Contact us for a free demonstration –
on site or online.

Carl Zeiss IQS Deutschland GmbH

Carl-Zeiss-Straße 22
73447 Oberkochen
Germany

Phone: +49 7364 20-6337
info.metrology.de@zeiss.com
www.zeiss.com/metrology