



**Easily capture things that
are better left untouched**

ZEISS O-DETECT

www.zeiss.com/o-detect



Seeing beyond

Entering the world of optical metrology

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 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.



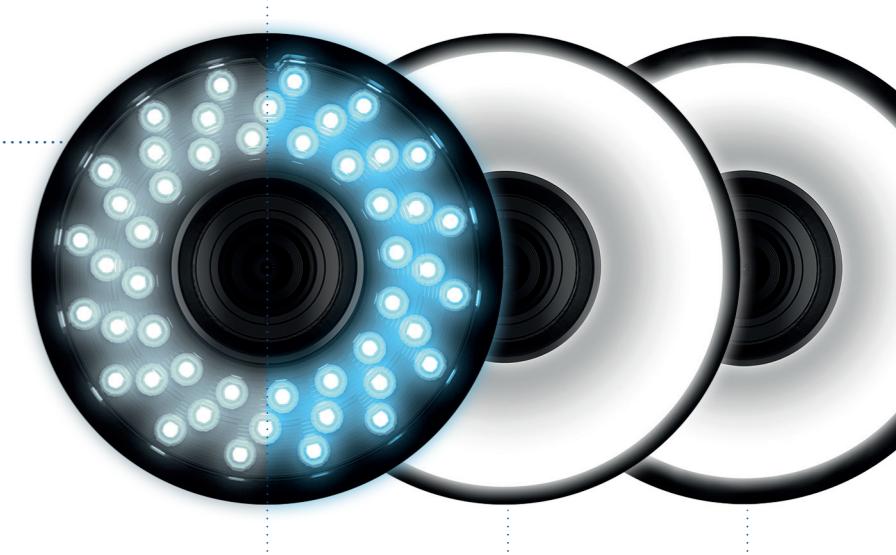
Stable precision

Calibrated to MPE E(3D) as 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. 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

A long history and experience in metrology were combined in the measuring software ZEISS CALYPSO. ZEISS CALYPSO express has a simple programming environment to make entry into the world of optical metrology as easy as possible.



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.

ZEISS O-DETECT – Specifications

ZEISS O-DETECT 3/2/2

ZEISS O-DETECT 5/4/3

Camera	ZEISS INVENTA D1		
Measuring volume	in mm ³	300 x 200 x 200	500 x 400 x 300
Field of view	in mm ²	8,4 x 7,0	8,4 x 7,0
Length measurement error MPE(E)	in 2D in 3D	μm μm	1,9μm+L/150 2,4μm+L/150
Software	ZEISS CALYPSO		



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

ZEISS Industrial Quality Solutions 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

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Key Characteristics

Excellent optics

- Large field-of-view at high resolutions
- Increased efficiency and capturing more details

Stable precision

- Calibration in compliance with ISO 10360-7
- Consistent and reliable measurement results you can trust

Versatile and easy to upgrade

- Options of classic multi-segment blue and a white toplight for general part top lighting
- Homogeneous domelight option for lighting shiny workpieces
- Darkfield optimized lighting for challenging edges (coming soon)



ZEISS O-DETECT 3/2/2
300 x 200 x 200 mm³

Also available: **ZEISS O-DETECT 5/4/3**
500 x 400 x 300 mm³

Intuitive and user-friendly software

- ZEISS CALYPSO software
- Beginners can use ZEISS CALYPSO express, which is easy to learn and program

Simple part navigation and visualization

- The integrated 5MP overview colour camera locates the part quicker to start measurements
- Controlled by the software, there is less need to use the joystick

Fields of Application

Industry

- Electronics
- Casting
- Industrial job shop
- Stamping
- Medical
- Automotive

Parts

- 3D workpiece (one side)
- Small parts
- Turned parts
- Flat parts

More Information

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Click here to contact us

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73447 Oberkochen
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