



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

ZEISS O-DETECT

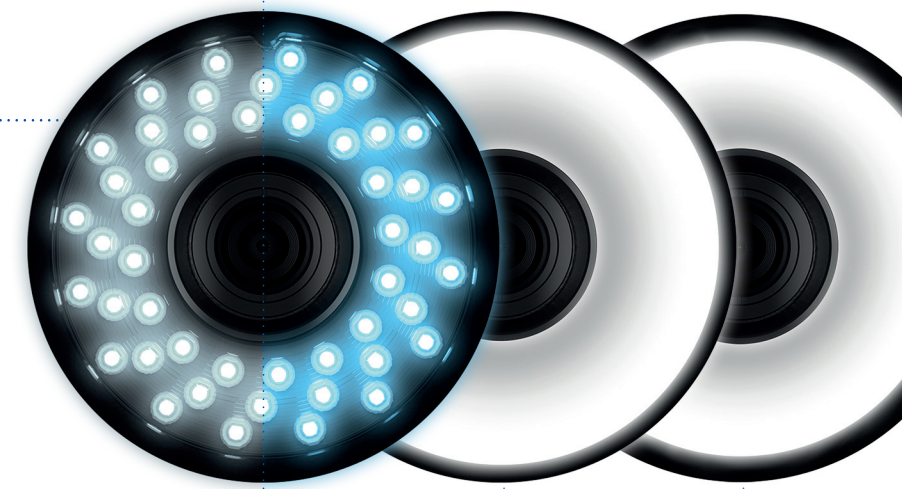


Entering the world of optical metrology

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.

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.



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.



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	µm	1,9µm+L/150	1,9µm+L/150
	in 3D		2,4µm+L/150	2,4µm+L/150
Software	ZEISS CALYPSO			



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Seeing beyond

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.

Key Characteristics

Excellent optics

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

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)

Stable precision

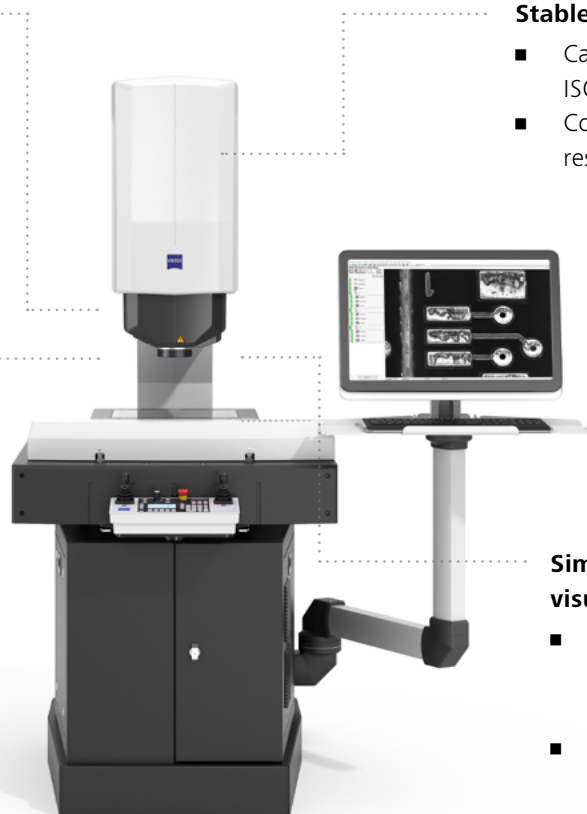
- Calibration in compliance with ISO 10360-7
- Consistent and reliable measurement results you can trust

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



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

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

www.zeiss.com/o-detect

[Click here to contact us](#)

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