



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

**ZEISS O-DETECT**

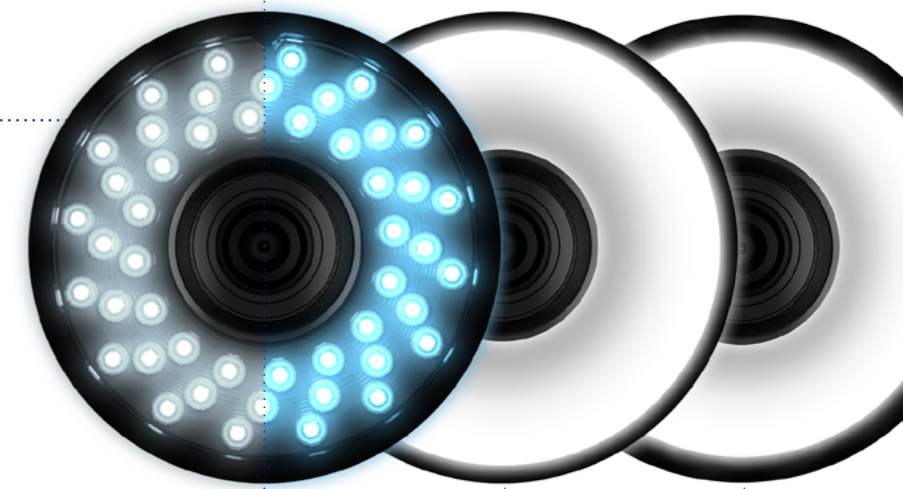


# Entering the world of optical metrology

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 topline 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

<b>Camera</b>		ZEISS INVENTA D1	
<b>Measuring volume</b>		in mm <sup>3</sup>	300x200x200
<b>Field of view</b>		in mm <sup>2</sup>	8.4x7.0
<b>Length measurement error MPE(E)</b>	in 2D	µm	1.9µm+L/150
	in 3D		2.4µm+L/150
<b>Software</b>		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](mailto:sales.metrology.de@zeiss.com)

**Service**  
Telefon: +49 7364 20 6337  
E-Mail: [info.metrology.de@zeiss.com](mailto: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](mailto:info.metrology.us@zeiss.com)  
[www.zeiss.com/metrology](http://www.zeiss.com/metrology)