Easily capture things that are better left untouched

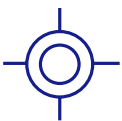**ZEISS O-DETECT**

Seeing beyond

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.
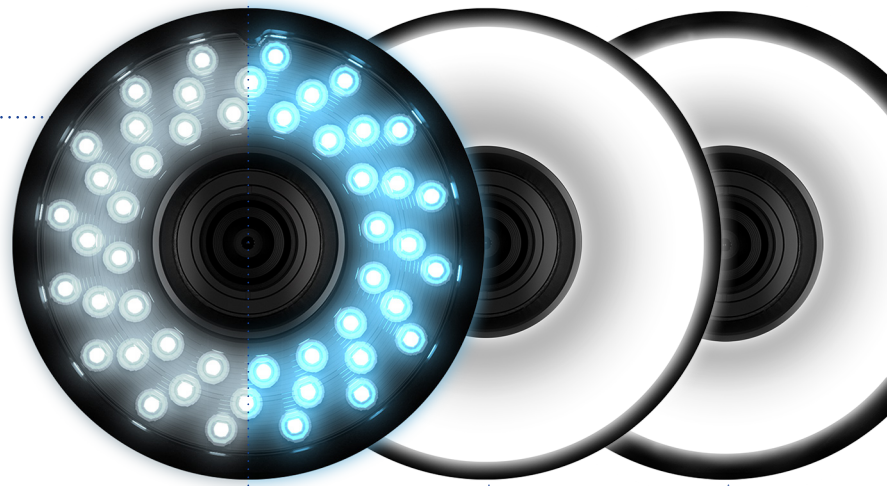
Stable precision

Calibrated to 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. 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		