

The optical solution with the right touch

ZEISS O-INSPECT



www.zeiss.com/o-inspect

Seeing beyond

Two measuring techniques for a perfect result

O-INSPECT multisensor measuring machines from ZEISS enable new opportunities to optimally measure each characteristic – optically or through contact measurement. Its special feature: ZEISS O-INSPECT delivers ISO-10360 compliance in 1D, 2D and 3D – tactile and optical.



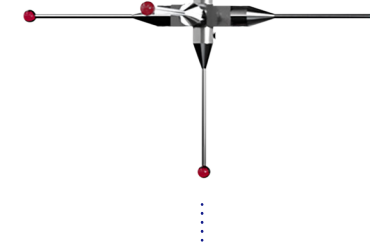
Accuracy from all sides

The optional rotary table enhances the ZEISS O-INSPECT with a programmable rotary axis, enabling the inspection of characteristics from all sides. You have the option of integrating it in a pallet to achieve different positions and shorten the setup time.



Increased reliability in less time

The integrated pallet system with an interface for automatic temperature capture lets you save time while ensuring greater reliability.



Quick and precise 3D tactile measurements

ZEISS VAST XXT opens up high-accuracy scanning by recording a large number of measurement points in a single movement – unique in this equipment category.

Large visual field with high image definition

ZEISS Discovery.V12 camera sensor provides variable magnification. With the two new options scout 160 and scout 240, an even higher optical resolution is made possible. The use of the alternative sensor units enables 1.6 or 2.4 times higher optical resolution than the standard 100 variant.

Optical measurements for sensitive surfaces

ZEISS DotScan enables the non-contact capture of workpiece topography. Available as an option when you have sensitive, reflective or low-contrast surfaces that make it difficult to use other sensors.



Software tailored to every application

ZEISS CALYPSO offers improved visualization options to save you time. CAD models can be displayed superimposed and possible deviations (ACTUAL to TARGET) can be seen quickly. Thanks to a variety of options, ZEISS CALYPSO also offers the right tools for special requirements.



Professional and actionable reports

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

ZEISS O-INSPECT – Specifications

		ZEISS O-INSPECT 3/2/2	ZEISS O-INSPECT 5/4/3	ZEISS O-INSPECT 8/6/3
Camera	ZEISS Discovery.V12			
Measuring volume	in mm ³	300x200x200	500x400x300	800x600x300
Field of view standard 100	min	16.1x12.0 mm ²	16.1x12.0 mm ²	16.1x12.0 mm ²
	max	1.3x1.0 mm ²	1.3x1.0 mm ²	1.3x1.0 mm ²
Length measurement error MPE(EU)	in 1D	1.6µm+L/200	1.4µm+L/250	1.5µm+L/250
	in 2D	1.9µm+L/150	1.6µm+L/250	1.8µm+L/250
	in 3D	2.4µm+L/150	1.9µm+L/250	2.2µm+L/250
Software	ZEISS CALYPSO			



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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

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
 www.zeiss.com/metrology