

## **ZEISS O-INSPECT**

The optical solution with the right touch



Seeing beyond

# Two measuring techniques

for a perfect result

ZEISS O-INSPECT multisensor measuring machines 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.



# Multisensor technology



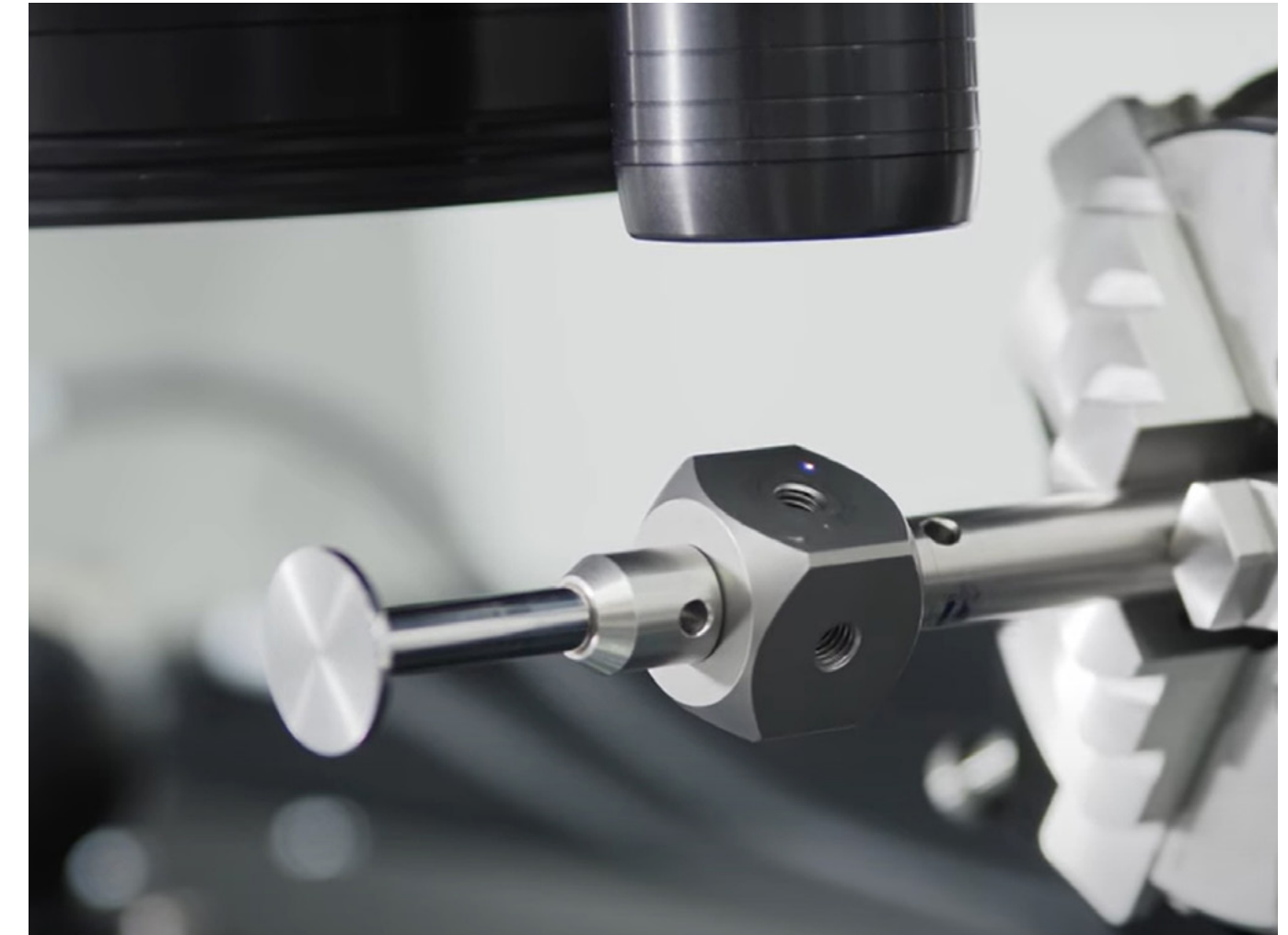
## Tactile measurement

The right choice where very high accuracies are required. Tactile probes like ZEISS VAST XXT scan the component's surface point by point. It also adds scanning functionality, thus providing information on the form of the features.



## Optical measurement

ZEISS Discovery.V12 zoom lens provides a large, distortion-free field of view for measuring results with excellent accuracy and a significant reduction in measuring time.



## White light

ZEISS DotScan a chromatic white light sensor enables the non-contact capture of workpiece topography. Used when sensitive, reflective or low-contrast surfaces make it difficult to use other sensors.

## Technical data



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<b>Camera</b>		ZEISS Discovery.V12		
<b>Measuring volume</b>	in mm <sup>3</sup>	300×200×200	500×400×300	800×600×300
<b>Field of view</b> standard 100	min	16.1×12.0 mm <sup>2</sup>	16.1×12.0 mm <sup>2</sup>	16.1×12.0 mm <sup>2</sup>
	max	1.3×1.0 mm <sup>2</sup>	1.3×1.0 mm <sup>2</sup>	1.3×1.0 mm <sup>2</sup>
<b>Length measurement error MPE(EU)</b>	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
<b>Software</b>		ZEISS CALYPSO		

# Did ZEISS O-INSPECT get your attention?

Contact us for a free demonstration –  
on site or online.

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