

METRIOS 532

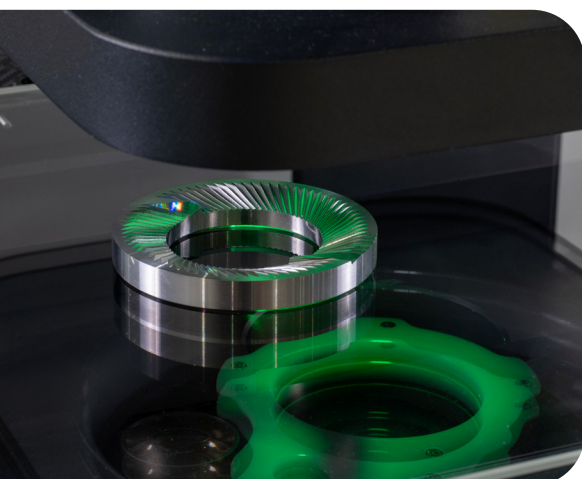
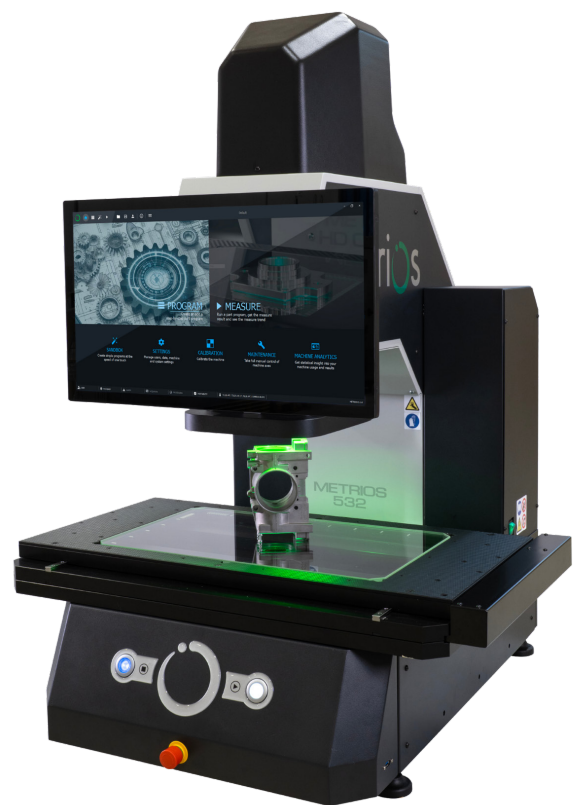
metriOS
by VICIVISION

THE ADVANCED SOLUTION FOR MEASURING LARGE, HEAVY, AND COMPLEX COMPONENTS

Designed to meet the dimensional inspection needs of larger, heavier, and more complex components, **Metrios 532** offers an even wider field of view in order to measure larger parts or inspect more components in a single measuring cycle. This leads to a significant reduction in inspection time and a concrete increase in productivity.

Based on the same advanced structure and new-generation multi-sensor system already introduced on Metrios 332, **Metrios 532 guarantees high precision and repeatability in all operating conditions.**

The **complete** and **smart lighting system** allows surfaces, edges, and details to be captured with extreme reliability, ensuring accurate results even on complex geometries.



Integrated confocal sensor for non-contact three-dimensional measurements

The confocal sensor enables immediate and accurate detection of height dimensions without contact, eliminating any risk of deformation of the part. This technology significantly reduces cycle time and improves the overall efficiency of the quality control process.

Large measuring area with integrated Z-axis

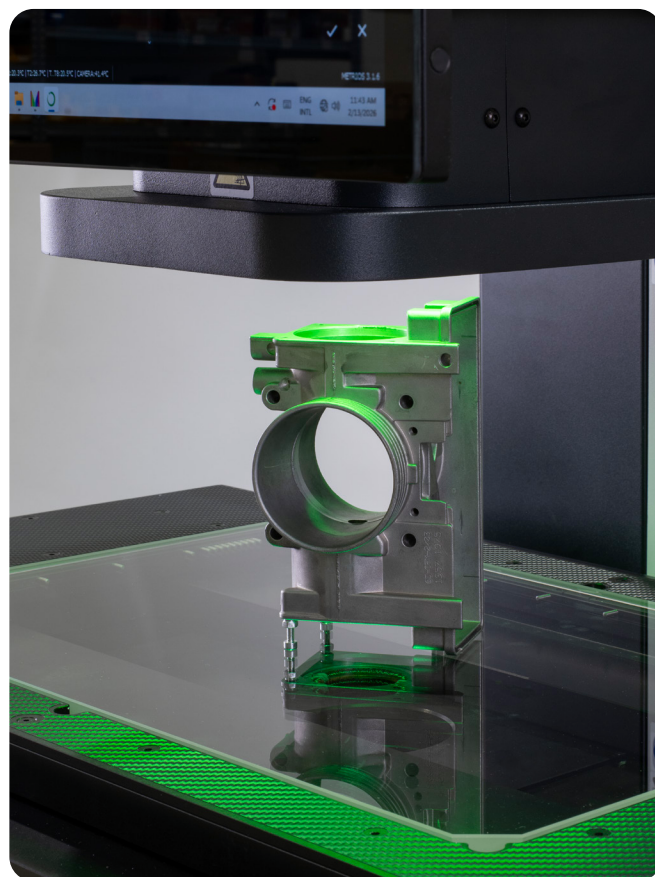
With a measuring area of 500 × 300 × 200 mm, Metrios 532 allows complete dimensional controls even on large components, maintaining high standards of precision on all spatial coordinates.

High performance even on challenging surfaces

Metrios 532 guarantees reliable results even on reflective, shiny, or complex geometries, expanding the field of application and reducing the need for alternative measurement procedures.

Complete integration in a single solution

The combination of 2D optical measurement and three-dimensional analysis allows comprehensive checks without any part repositioning, optimizing the operational flow and reducing overall inspection time.



TECHNICAL DATA

		Metrios 532	
		Main camera	Ultra HD sensor
Field of view size	Camera field of view	47 x 47 mm	3 x 2 mm
	Measuring Area	500 x 305 mm	435 x 235 mm covered by all sensors
Repeatability (2σ)	Inside camera's field of view	1 (μm)	0,2 (μm)
	In the entire stage (X/Y axis)	2,5 (μm)	2,5 (μm)
Measurement accuracy (2σ) ^(*)	Inside camera's field of view	(2,5+0,01L[mm]) (μm)	(2,5+0,01L[mm]) (μm)
	In the entire stage (X/Y axis)	(3,5+0,01L[mm]) (μm)	(3,5+0,01L[mm]) (μm)

(*) Data in accordance with ISO 10360-7, within room temperature of +20°C ±1°C / (*) Surface material/finishing may affect results.

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