



When accurate CT technology meets industrial performance.

ZEISS METROTOM 1500



Better image quality

Thanks to a high-resolution 3k detector

Discover even small details with high resolution. An object with 15cm in diameter can be reconstructed with 50µm voxel size.



Increased scanning speed

Scan time can be massively reduced by different operation modes of the detector by up to 75% with comparable voxel size.



Smart design

Smaller, flexible, clever

The reduced footprint of only 6.7 m² and the clever construction of the service door allows flexible installation on a small space in your measuring lab.



Measure and inspect large parts

Most efficient use of space

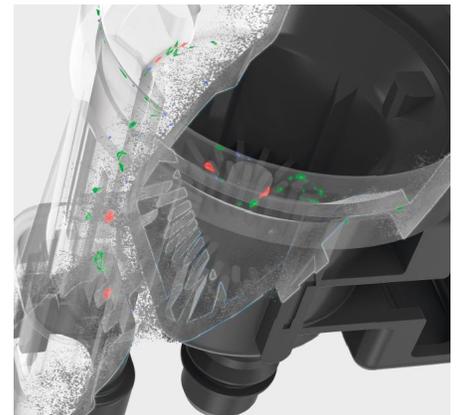
In order to get the most out of your space in your measuring lab, we extended the measuring volume while reducing the footing. Measure and inspect parts of 1500 mm in height on 6.7 m² – the best system/part volume ratio available on the market.



Reliable measuring results

Proven technology for high accuracy

The positioning systems provides a highly accurate movement of the part over the entire field-of-view guaranteeing a MPEsD of 4.5 + L/50 µm referring to VDI/VDE 2630 sheet 1.3.



Installation at Concept Machine Tool Wisconsin is scheduled for March 2022.

Measure and Inspect Large Parts

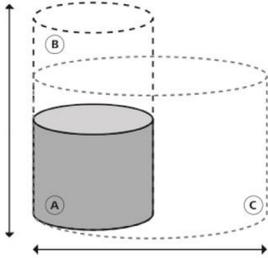
Technical explanation and example

- With a newly designed positioning system the size of parts fitting into the system has grown to 1500 mm in height.



How you benefit

- Large parts can be captured in only one scan
- No time-consuming repositioning of the part to capture the entire part



Measuring range		
A) In the image	D max [mm]	330
	H max [mm]	270
B) With max. vertical image field extension	D max [mm]	330
	H max [mm]	870
C) With max. vertical and horizontal image field extension [optional]	D max [mm]	615
	H max [mm]	800

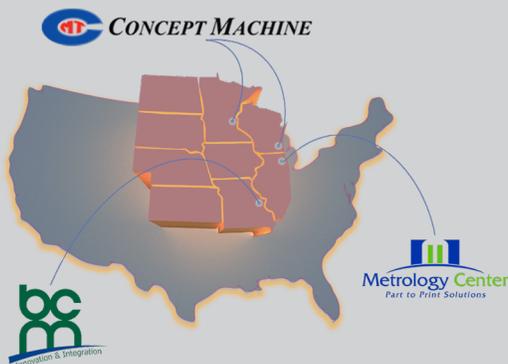
Workpiece size		
Max. workpiece weight	In kg	50
Max. fittable workpiece sizes with limitation of travel and measuring range		
A) Optimized for max. diameter	D max [mm]	770
	H max [mm]	1350
B) Optimized for max. height	D max [mm]	615
	H max [mm]	1500

Benefits of CT Technology:

- CTs work without destroying the workpiece. The properties of the specimen are not changed by the testing process.
- Nothing is hidden from CTs. Components can be captured completely, including inner structures and irregularities in the material.
- CTs work quickly. All selected characteristics can be evaluated together with just a single scan. A lot of information can be obtained in a comparatively short period of time.



▶ To find out how CT Technology can take your company to the next level, contact us at a location near you:



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