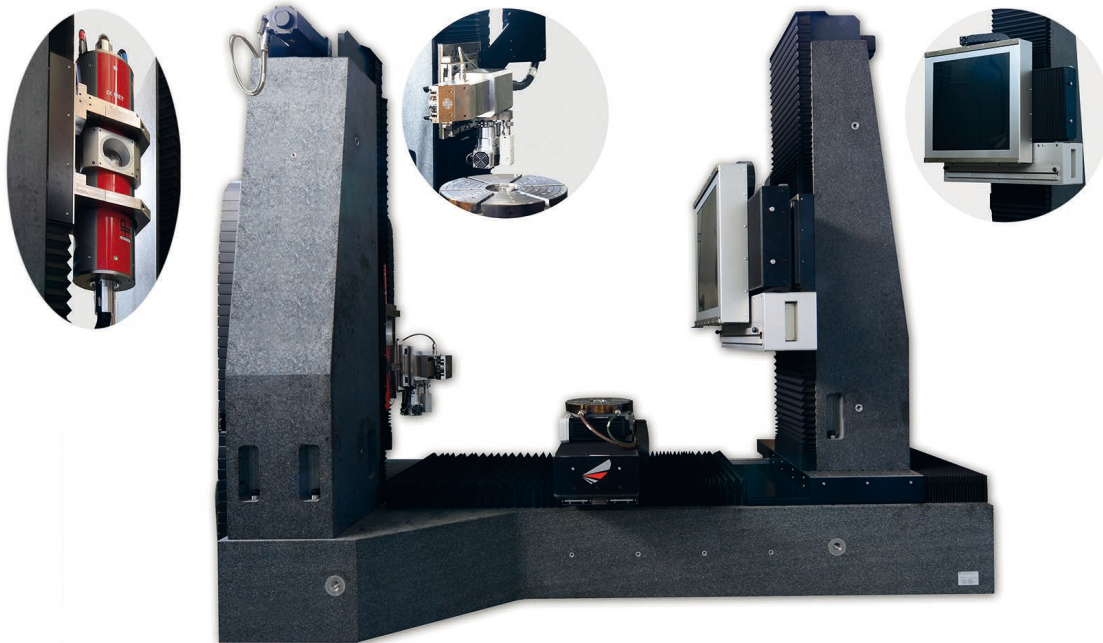


RayScan+

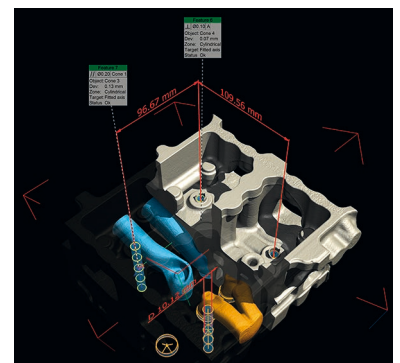
RayScan+ is a configurable 3D computed tomography system that can be simultaneously equipped with various X-ray sources and various X-ray detectors. Brilliant micro-focus sources in combination with flat panel detectors enable high-resolution 3D micro-CT. Alternatively, the combination of a powerful X-ray tube and a linear detector array allows high contrast imaging of particularly large or massive objects. The basis for RayScan+ is the modular RayScan manipulator system made of high-precision granite,

customizable automated axes, as well as guides and bearings for highest accuracy and loads. Operating and monitoring of all hardware and software components is performed using RayWare® software package. All functions are accessible in a comprehensive and intuitive user interface. Whether classic non-destructive testing, dimensional measurement or reverse engineering - the applications for RayScan+ are versatile – the possibilities nearly unlimited.



Technical Data*

X-ray sources	Microfocus	Minifocus
High voltage	10 - 300 kV	50 - 600 kV
Focal spot size	from < 1 µm	from 0.25
X-ray detectors	Flat panel	LDA
Pixels	1000 ² - 4000 ²	1000 - 4000
Pixel pitch	100 - 400 µm	200 - 400 µm
Dynamics	14 - 16 Bit	16 Bit
Manipulator		
Number of axes	up to 8	
Accuracy	< 5 µm	
Scanning area (horizontal)	< 1000 mm	
Scanning area (vertical)	< 2000 mm	
Test objects		
Max. weight	300 (opt. 500) kg	
Dimensions	< 1 mm - > 5 m	
Materials	Light metals, Ceramics, Plastics, Composites	
Scanning methods	2D-CT, 3D-CT, ROI-CT, Transversal CT, Helical-CT, Radioscopy	
Modularity	Dimensions and choice of components will be customised.	



* Guide only, actual figures depend on material, maximum wall thickness, scanning parameters
 Subject to modification