

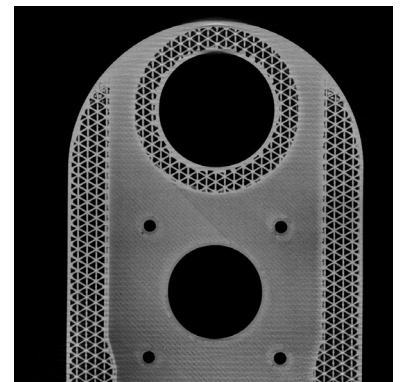
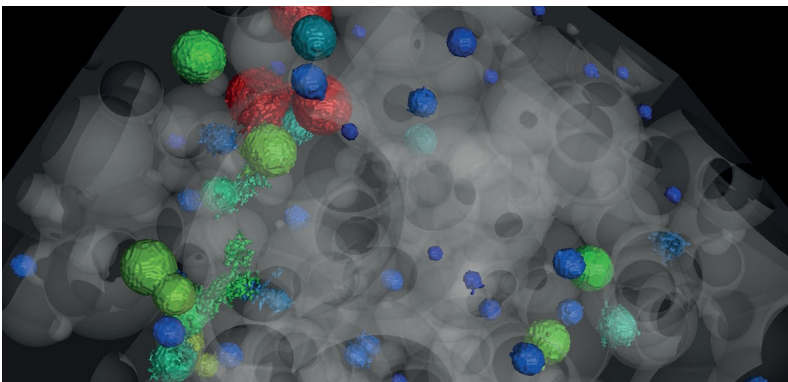
RayScan Smart

RayScan Smart is a 3D micro Computed Tomography (CT) system for various applications of non-destructive testing and dimensional measurement.

Equipped with flat panel detector, micro focus X-ray source and compact mechanics RayScan Smart provides access to a comprehensive object analysis based on fast high-resolution 3D micro-CT.

The volume data of one single scan allow a variety of evaluations, e.g. non-destructive testing, assembly check, coordinate measurement and actual-nominal comparison. The generation of surface data enables also reverse engineering and 3D printing.

Operating the system is performed using RayWare® software package. All functions are easily accessible in a simple user interface. Based on a slim design with a fully integrated shielding cabinet RayScan Smart can be placed in almost all kinds of rooms. Set-up and commissioning of RayScan Smart is easy and fast.



Technical Data*

X-ray source	Micro focus, up to 200 kV
Focal spot size	down to 5 µm
X-ray detector	Flat panel
Pixel	up to 12 MPix
Pixel pitch	down to 50 µm
Manipulator	Granite, metrology grade
Loading	up to 10 kg
Scanning methods	3D-CT, ROI-CT, Helical-CT, Radioscopy
Voxel size	from 2 µm
Magnification	up to 60 fold
Samples	up to Ø 400 mm, up to 500 mm length
Materials	Light metals, ceramics, plastics, composites etc.
X-ray protection	Compact shielding, according to DIN
Floor loading	min. 500 kg/m ²

