

RayScan Mobile

RayScan Mobile is a movable 3D Computed Tomography System for inspection of stationary objects. Due to its compact design combined with high grade X-ray components and with the powerful software package RayWare, RayScan Mobile provides a three dimensional insight into test objects even if the object is only partially accessible.

RayScan Mobile can be applied to the tomographic inspection of pipelines, airplane wings, rotor blades, pillars or statues. The modular design permits to optimise RayScan Mobile for each particular application.

RayScan Mobile has been adapted to investigate the interconnection zones of the worlds largest accelerator ring LHC at CERN. The storage ring has a circumference of 27 km and a diameter of 1100 mm. It is possible to visualise details like solderings, debris and the position of contact fingers with an accuracy of about 0.1 mm.

Technical Data*

X-ray source (optional)	Minifocus 225 kV (450 kV)
Focal spot	0.4 mm / 1 mm
Size of objects \varnothing	1200 mm
Detector's active area (optional)	205 x 205 mm ² (410 x 410 mm ²)
Number of detector pixels (optional)	1024 x 1024 (2048 x 2048)
Digitising	16 bit
Time for measurement incl. reconstruction	3 - 30 min.
Recognition of detail	0.1 mm
Contrast	1 %
Operating modes	Radioscopy and ROI-CT
Optional mode	3D-CT

* Guide only, actual figures depend on material, maximum wall thickness, detector and source options. Technical design and choice of components will be customised. Errors excepted. Subject to change without notice. PRO-75040-B_e

Range of Products

RayScan Nano®	Analysis in nanometer scale
RayScan 100	Minifocus 3D CT
RayScan 150	Sub-Microfocus 3D CT
Modular Systems:	
RayScan 200	Microfocus 3D CT
RayScan 200 XE	Microfocus 3D CT and ROI CT
RayScan 250	Microfocus and minifocus 3D CT
RayScan 600	Minifocus 3D CT and 2D CT
RayScan Mobile	Movable 3D CT
RayCheck	Automatic evaluation software
RayView®	Automatic in-line testing
RayWare®	Computed Tomography software package

