

RayScan 100

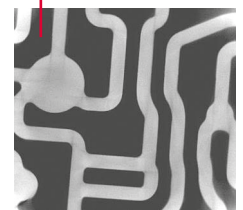
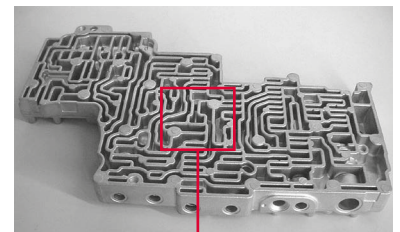
RayScan 100 is a high quality compact system for radiography and 3D Computed Tomography. RayScan 100 has been designed for short scanning time in order to offer a high throughput especially for objects with a diameter up to 150 mm. RayScan 100 is equipped with a minifocus-X-ray-source. Thus details down to 0.1 mm can be detected.

RayScan 100 E additionally provides an extended mode, which enables to overcome the limits of conventional CT. By using Region-of-Interest CT details or components of 0.1–0.3 mm even in large objects are detected. All hardware and software components are integrated in one intuitive user-friendly interface, which allows easy switching from one mode to the other.

Technical Data*

X-ray source (optional)	Minifocus 20 - 160 kV (225 kV)
Focal spot	0.4 mm
Max. size of objects \varnothing / H	700 mm / 1200 mm
Max. weight of objects	60 kg
Detector's active area (optional)	205 x 205 mm ² (410 x 410 mm ²)
Number of detector-pixels (optional)	512 x 512 (1024 x 1024)
Digitising	16 bit
Time for measurement incl. reconstruction	1 - 15 min.
Resolution of detail	< 0.1 mm
Contrast	1 %
Modes of operation	Radioscopy and 3D-CT
Optional mode	Region of interest-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-75010-E_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