RoboTom

RoboTom is the first consistent implementation of a seamless interlocking of industrial robotics and high-resolution X-ray computed tomography (CT). Depending on its application RoboTom is scalable in size and number, thus enabling a high level of flexibility and freely definable local 3D X-ray imaging.

RoboTom scans are:
- non-destructive
- contactless
- fully automatic
- fast
- repeatable

Possible fields of application include testing and analysis of printed circuit board assemblies, connecting elements such as rivets, welded or adhesive joints, as well as the local non-destructive testing of large assemblies made of metal or fiber composite materials. RoboTom represents a break-through in the automated, non-destructive monitoring
of production processes.

German patent application filed

Technical Data*

X-ray source	200 kV
X-ray detector	16 bit flat panel
Scanning area	300 x 300 mm
Detail recognition	< 50 µm
Measurement time	1 - 10 minutes
Modes of operation	ROI-CT, Radioscopy

* Guide only, actual figures depend on material, maximum wall thickness, detector and source options. Subject to modification