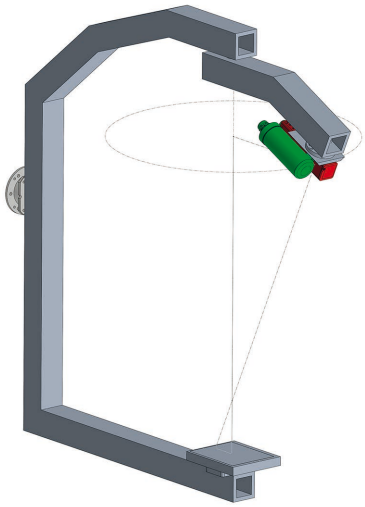
RoboTom

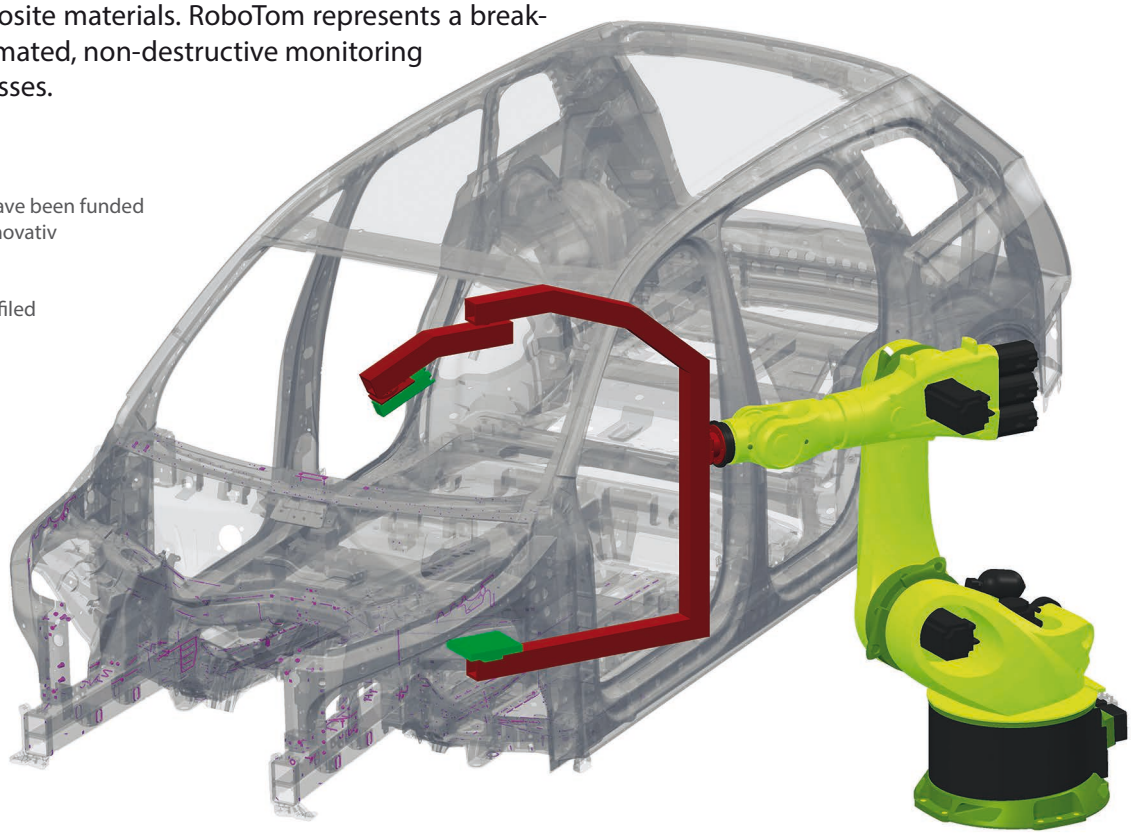
RoboTom is the first consistent implementation of a seamless interlocking of industrial robotics and high-resolution X-ray computed tomography (CT). Depending on its application RoboTom is scalable in size and number, thus enabling a high level of flexibility and freely definable local 3D X-ray imaging.



RoboTom scans are:

- non-destructive
- contactless
- fully automatic
- fast
- repeatable

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



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German patent application filed

Technical Data*

X-ray source	160 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