



CT-MINI

CT-MINI, - the Original- , with minimal space requirement, inspecting plastics, ceramics, and metals. This 3D-CT, from ProCon X-Ray GmbH “performs as laboratory micro CT by excellent CT results in real-time”, comment of Norman Schott, our Applications Specialist.

The room-saving CT-MINI can be equipped with micro-focus X-ray tubes from 90 kV up to 130 kV, depending on specific customer requirements. The focus-detector distance can be adjusted to optimize the contrast. A range of flat panel detectors is available, to adapt customer’s requirement. A sliding door opens wide in order to easily mount the specimen up to 200 mm onto the rotation table. The horizontal oriented X-ray beam helps to avoid gravity effects during scanning.

The CT-MINI system is ideal for nondestructive testing (NDT), materials analysis, rapid prototyping, and because of its fast on-line reconstruction capable for a production guided process control.

Features

- ▶ Industrial X-ray Computed Tomography (CT)
- ▶ 3D volume CT
- ▶ Non-destructive testing (NDT) – 2D and 3D
- ▶ Quality control independent of material
- ▶ Defect recognition (voids, cracks, ...)
- ▶ Contactless metrology
- ▶ CT reconstruction in real-time
- ▶ Easy operation
- ▶ Radiation safety better than 1 µSv/h
- ▶ Desktop system

	Standard	Advanced
X-ray voltage	90 kv	130 kv
Detector	50 µm, 1 K ²	100 µm, 1 K ²
Specimen	35 mm, 5 kg	70 mm, 20 kg
Axes	2	2
Reconstruction	1 K ³ , real-time	1 K ³ , real-time; 8 K ³ , off-line
Smallest 3D detail (voxel)	5 µm	5 µm
System weight	500 kg	500 kg