



## CT-MICRO

Fast and easy, CT-MICRO, the mobile micro-computertomograph from ProCon X-Ray GmbH provides 3D visualization and CT slices at any desired site of quality control. The CT-MICRO is an on-line process monitor for plastics, ceramics, and organic materials.

The CT-MICRO is configured with a highly productive 50 W X-ray tube and a high-resolution flat panel detector. The precision rotary table can be positioned between the tube and the detector as required for the needed magnification.

With a selected 50 x 50 mm detector and pixel size of 50  $\mu\text{m}$ , on-line reconstruction of 3D details less than 25  $\mu\text{m}$  are possible in less than 2 minutes. Automatic generation of STL formats, makes the CT-MICRO a 3D process monitor of choice for nondestructive testing or rapid-prototyping at continuous production.

### 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  $\mu\text{Sv/h}$
- ▶ Mobile deployable

	<b>Standard</b>	<b>Advanced</b>
X-ray voltage	50 kv	60 kv
Detector	50 $\mu\text{m}$ , 1 K <sup>2</sup>	100 $\mu\text{m}$ , 1 K <sup>2</sup>
Specimen	35 mm, 5 kg	70 mm, 20 kg
Axes	1	1
Reconstruction	1 K <sup>3</sup> , real-time	1 K <sup>3</sup> , real-time
Smallest 3D detail (voxel)	25 $\mu\text{m}$	50 $\mu\text{m}$
System weight	85 kg	85 kg