



## CT-COMPACT

The most versatile desktop system for 3D-CT requirements. We enable the CT-COMPACT, performing as the most flexible micro CT system on a bench.

The space-saving CT-COMPACT can be equipped with micro-focus X-ray tubes capable of operation up to 160 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, enabling the highest magnification. Due to the horizontally oriented X-ray beam, the CT scan remains uninfluenced by gravity.

The CT-COMPACT system is ideal for nondestructive testing, materials analysis, metrology and, rapid prototyping. Due to our cabinet temperature concept the CT-COMPACT holds the certificate of proven measurement uncertainty, by Q-DAS.

### 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
- ▶ Ring artefact suppression
- ▶ Easy operation
- ▶ Radiation safety better than 1  $\mu\text{Sv/h}$
- ▶ Desktop system

	Standard	Advanced	Metrology
X-ray voltage	130 kv	150 kv	160 kv
Detector	50 $\mu\text{m}$ , 1 K <sup>2</sup>	50 $\mu\text{m}$ , 4 K <sup>2</sup>	200 $\mu\text{m}$ , 1 K <sup>2</sup>
Specimen	70 mm, 5 kg	70 mm, 20 kg	150 mm, 30 kg
Axes	3	3	4
Reconstruction	1 K <sup>3</sup> , real-time	1 K <sup>3</sup> , real-time; 8 K <sup>3</sup> , off-line	1 K <sup>3</sup> , real-time
Smallest 3D detail	5 $\mu\text{m}$	2.5 $\mu\text{m}$	5 $\mu\text{m}$
System weight	500 kg	600 kg	750 kg