

## CT-COMPACT nano

The most versatile desktop system for 3D-CT requirements with our nano-option. We enable the CT-COMPACT, performing as the most flexible nano 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.

Next to a large range of flat panel detectors, we equipped the CT-COMPACT nano with our special nano-cam for ultra-high

resolutions below 400 nm. With this dual detector setup the CT-COMPACT nano can cover a wide range of application from larger parts with medium resolution to sub-micron-scans.

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.

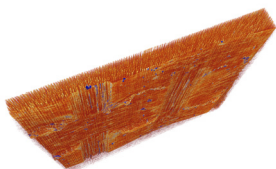
# X-RAY INSPECTION FOR YOUR APPLICATION

## Features

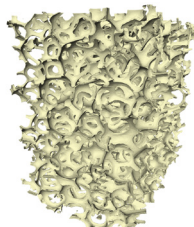
- ▶ Industrial X-ray Computed Tomography (CT)
- ▶ 3D volume CT
- ▶ Non-destructive testing (NDT) – 2D and 3D
- ▶ Quality control independent of material
- ▶ Defect recognition (voids, cracks, ...)
- ▶ Contactless metrology
- ▶ CT reconstruction in real-time
- ▶ Ring artefact suppression
- ▶ Easy operation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

## Specifications

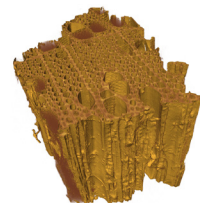
X-ray voltage	up to 160 kV
Detector	Flat Panel & nanoCam
Specimen	max 150 mm
Axes	up to 7
Reconstruction	Real-time or Off-line
Smallest 3D detail	< 2.5 $\mu\text{m}$ - Flat Panel < 400 nm - nanoCam
System weight	< 800 kg



Carbon Fibers



PU Foam



Wood

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