

CT300 – 3D X-Ray Computed Tomography

Key Features:

- Microfocus Resolution closed tube (130kV)
- Reconstruction online to measurement possible (up to 2k x 2k; 16bit)
- Motorized movement of sample
- Real 3D CT system, not only an upgrade of a 2D system
- Horizontal orientation of the path of rays allows the inspection of flexible samples
- Best cost to performance relationship
- Granite base with high accuracy axis system
- Shock absorption vibration-isolating for production environment
- Integrated sample holder rack
- Region of Interest (ROI) measurements possible

Standard Configurations:

- 90kV closed tube; digital detector
- 130kV closed tube; digital detector
- 130kV closed tube; flat panel detector
- Webcam inside the system for process control
- Customized solutions possible



Options:

- Measurement area enhancement
- Ring artefact suppression
- Motorized z-axis
- PC cluster upgrade
- Swing Laminography for flat samples
- 3D visualisation software
- Several analysis software packages

X-RAY TECHNOLOGIES

Technical Data:

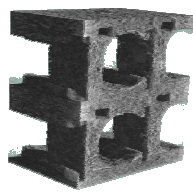
CT300

Specifications	Metric Standard
X-ray source output	90kV or 130kV closed tube
X-ray leakage	<0,2µSv/h
Feature recognition	down to 1,25µm
Voxel resolution	down to 2,5µm
Detector	12 bit digital detector or flat panel
Max. sample size	< 150mm
Max. sample weight	< 2kg
Electrical power requirements	230V 50/60Hz, 16A
Machine physical dimensions (L x W x H)	approx 1830mm x 1070mm x 1560mm
Machine weight	approx. 1.500kg
Computer system	Windows based industrial PC-Cluster
Display	24" Flat Screen

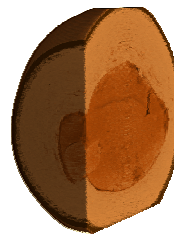
Examples:



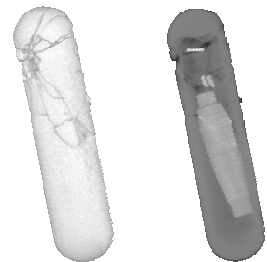
Tooth of a sea urchin



Fibre enforced
plug holder



Candy



Car-key emitter

Contact:

MacroScience Technology GmbH
 Biberger Strasse 93
 D-82008 Unterhaching
 Germany
 Phone: +49 89 45 111-123
 Fax: +49 89 45 111-100
 Email: info-eu@macroscience-tech.com
<http://www.macroscience-technology.com>