

HIGH RESOLUTION 3D MICRO OR NANO COMPUTED TOMOGRAPHY & DIGITAL RADIOSCOPY SYSTEM

EasyTom



- ▶ 3D μ CT scan
- ▶ Semi-automated wizard CT acquisition
- ▶ Real time high resolution digital radioscapy
- ▶ Motorized motion axes
- ▶ 0.25 to 400 μm /voxel resolution
- ▶ Great versatility for a wide variety of applications and analysable products
- ▶ Large volume inspection
- ▶ Possible in situ μ CT
- ▶ Programmable automatic control cycles

Technical Specifications

Safety Cabinet

- Footprint : 2100x1100x2000 mm / 82.6"x43.3"x78.7"
- Lead / Steel construction and X-ray safety interlocks, designed to meet X-ray safety regulations.
- Motorized door with automatic locker during X-Ray emission.
- Large internal volume for large samples.

Mechanics

- High accuracy motorized rotation and translation axis.
- Imager lateral and vertical shift option for enlarged field of view and decreased ring artifacts.
- Air-bearing rotation stage option, takes up of sample weight.

X-Ray generator

- Several options and combinations available :
- Sealed or open type micro-focus tube.
 - Voltage up to 230 kV (several options available).
 - Directional or transmission type.
 - Various targets and filament types available.
 - Down to 0.25 μm resolution.

Imager

- Several options and combinations available :
- High resolution flat panel detector
 - Large area flat panel detector
 - CCD sensor

Computers

- Various powerful GPU(s) configurations available.
- PC, High resolution display screen, Windows 7.

Softwares

- RX Solutions X-Act software:
- Independant plugins to drive generator(s), imager(s), axes...
 - Other plugins available for : metrology, video sequence acquisition, image filtering and processing, image export...
 - CT acquisition :
 - semi-automooated wizard plugin
 - advanced plugin with options (360° rotation, stack, helical, continuous rotation, laminography...)
 - Learning/Macros mode from automated workflow
 - CT reconstruction : GPU implementation including various filters
- Post-processing software : 3D visualisation, metrology, CAD comparison, defect analysis : in option

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