

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

EasyTom



- ▶ 3D µCT scan
- ► Semi-automated wizard CT acquisition
- Real time high resolution digital radioscopy
 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 µCT
- ▶ 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

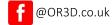
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