



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

EasyTom



- ▶ High resolution 3D μ Computed Tomography
- ▶ Real time high resolution 2D digital radioscapy
- ▶ Micro or nano and combined versions available
- ▶ Voxel resolution down to 350 nm/voxel
- ▶ Large inspection volume (diameter x height : 320 mm x 420 mm)
- ▶ Programmable automatic control cycles
- ▶ Possible *in situ* μ CT
- ▶ Great versatility for a wide variety of applications and analyzable products
- ▶ Lead / Steel construction and X-ray safety interlocks, designed to meet X-ray safety regulations
- ▶ Open and comprehensive system, with 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 scanning volume (diameter x height): 320 mm x 420 mm

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.
 - Open nano-focus tube (160 kV)
 - Voltage up to 230 kV (several options available).
 - Resolution down to 400nm/voxel
 - Various targets and filament types available.

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 10.

Softwares

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

