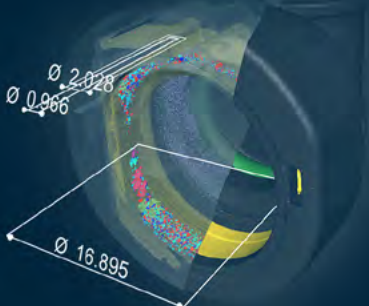
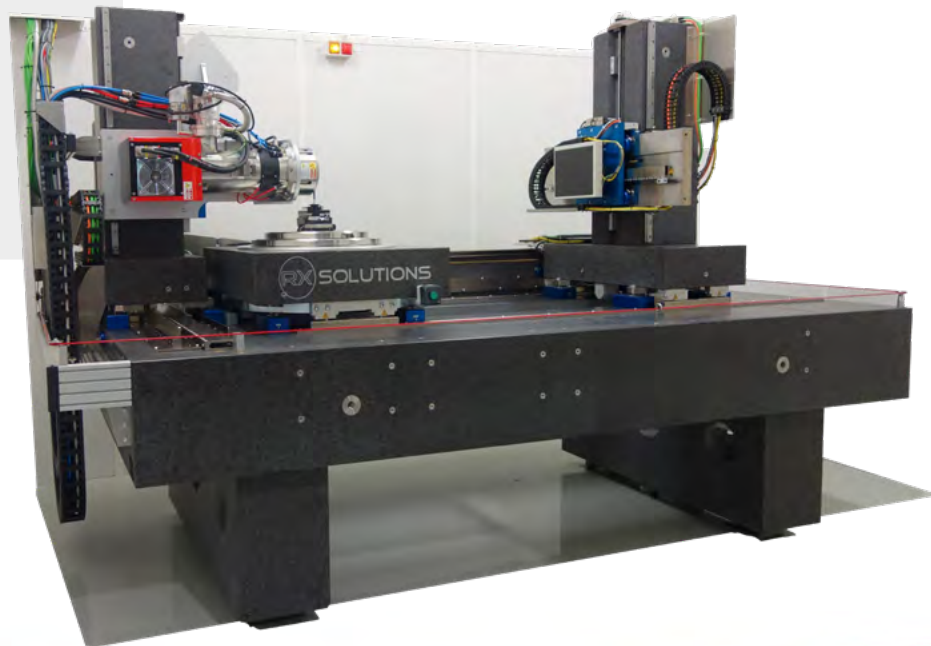


UltraTom

ULTRA HIGH PERFORMANCE 3D CT SYSTEM

FEATURES

- ✓ Modular design: Highly modular system allowing a combination of high power and high resolution X-Ray sources: Up to 3 X-ray tubes including nano-focus 160 kV & micro-focus 230 kV
- ✓ Lab CT system: Ideal for very large in-situ CT experiments
- ✓ Flexible: Very large inspection volume with 7 mechanical axes
- ✓ Open design: Laboratory set-ups that can be customized according to your applications: for linear detectors, high speed cameras ...



Safety Cabinet

- Footprint : 440 cm (L) x 300 cm (l) x 300 cm (H).
- Generator to Detector Distance : Adjustable - up to 150 cm.
- Lead / Steel construction and X-ray safety interlocks, designed to meet X-ray safety regulations.

Mechanics

- 7 motion axis, most of them on air-bearing with 0.1µm closed-loop control.
- Air-bearing rotation stage, takes up to 100kg of sample weight.
- Finest stability: First-class mechanics with high precision granite table and air bearing axes that guarantees stiffness, stability and positioning using high precision linear encoders.

X-Ray generator

- Modular design: Highly modular system allowing a combination of high power and high resolution X-Ray sources: Up to 3 X-ray tubes including nano-focus 160 kV & micro-focus 230 kV.
- 230 kV micro-focus tube // 160 kV nano-focus tube.
- Various targets and filament types available.
- Down to 350 nm resolution.

Imager

- Multiple imagers.
- High resolution and speed flat panel.
- Very high sensibility and resolution CCD sensor.

Computers

- Various powerful GPU(s) configurations available.
- PC, High resolution display screen, Windows 10.
- High capacity and speed storage server option.

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.

