ULTRA HIGH PERFORMANCE 3D CT-SYSTEM

- Modular system with up to x2 imagers and x2 sources
- Very large inspection volume
- 3D micro and nano tomography system
- From micro to nano

TECHNICAL SPECIFICATIONS

Safety Cabinet	• Footprint : 440 cm (L) x 300 cm (l) x 300 cm (H) • Distance X-Ray output to Detector : adjustable, up to 150 cm • Lead / Steel construction and X-ray safety interlocks, designed to meet • X-ray safety regulations • Door with automatic locker during X-Ray emission • Large internal volume for large samples • Weight of system: < 7000 kg • Weight of cabinet: < 15 000 kg
Mechanics	• 7 axis of motion, most of them on air-bearing with 0.1µm closed-loop control • Air-bearing rotation stage, takes up to 100kg of sample weight • High stability granite base • Large through hole in rotation stage and granite base for in-situ equipments
X-Ray generator	• Open type micro-focus tubes • 225 kV micro-focus tube • 160 kV nano-focus tube • Various targets and filament types available • Down to 0.25 µm resolution
Imager	• High resolution flat panel detector • 1920 pixels x 1536 pixels. • 1-30 fps • 127 µm pixel size • Cooled CCD sensor, • 4000 x 2672 pixels • Up to 2 fps • 9 µm pixel size
Softwares	• RX Solutions X-ACT acquisition software with multiple advanced plugins to drive the source, imager, axis… • Multiple plugins available for: metrology, video sequences acquisitions, image filtering, image export, tomography (rotation, helicoidal, laminography)… • Learning / Macros mode • GPU accelerated CT reconstruction plugin • 3D Visualisation and post-processing software with metrology, CAD comparison, porosity and wall thickness analysis modules
Computers	• Various powerful GPU(s) configurations available • PC, High resolution display screen, Windows 7 • High capacity and speed storage server option