



3D CT MICRO-TOMOGRAPHY AND HIGH RESOLUTION DIGITAL RADIOSCOPY

- 3D Micro-tomography system
- Real time high resolution digital radioscopy
- High accuracy motorized rotation and translation axis
- 3 to 250 μm /voxel resolution
- Full inspection of various sample types and sizes
- Small footprint and high resolution

TECHNICAL SPECIFICATIONS

Safety Cabinet	<ul style="list-style-type: none"> • Footprint : 115cm x 80cm x 60/169 cm • Distance X-Ray output to Detector : 58 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 • Total weight of system: < 700kg
Mechanics	High accuracy motorized rotation and translation axis Imager lateral and vertical shift option for enlarged field of view and decreased ring artefacts
X-Ray generator	<ul style="list-style-type: none"> • Sealed micro-focus tube • Voltage up to 150 kV (several options available)
Imager	<ul style="list-style-type: none"> • High resolution flat panel detector 1 920 pixels x 1 536 pixels • Active area: 20 cm x 25 cm. • 1-30 fps. • 127 µm pixel size • 14 bits – 16 000 grey levels • Very low noise and geometrical distortions • Long life time
Softwares	<ul style="list-style-type: none"> • 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 (standard, stacked, helicoidal modes) • 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	<ul style="list-style-type: none"> • Various powerful GPU(s) configurations available • PC, High resolution display screen, Windows 7

