**X-RAY RADIOSCOPY AND TOMOGRAPHY PLATFORM** **PIXE**

**ULTRATOM system by RX-SOLUTIONS**

### Technical Specifications

| **Safety Cabinet** | • Footprint : 470 cm (L) x 300 cm (l) x 330 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. |
| **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.  
 | | • 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.  
 | | • 230 kV micro-focus tube  
 | | • Various targets and filament types available.  
 | | • Down to 4 μm resolution. |
| **Imager** | • High resolution and speed flat panel XL 2530, 302 x 249 mm, 2176 x 1792 pixels. |
| **Computers** | • Super computer, 8 GPU(s), 128 Gb RAM.  
 | | • PC, High resolution display screen, Windows 10.  
 | | • High capacity and speed storage server option. |
| **Softwares** | • RX Solutions X-ACT software :  
 | | o Multiple advanced plugins to drive the source, imager, axis...  
 | | o Other plugins available for: metrology, video sequences acquisitions, image filtering, image export, tomography (rotation, helicoidal, laminography)...  
 | | o Learning / Macros mode for automated acquisition.  
 | | o GPU accelerated CT reconstruction plugin.  
 | | • 3D Visualisation and post-processing software with metrology, CAD comparison, porosity and wall thickness analysis modules. |