EasyTom CT Scanner
3D Micro Computed Tomography & Digital Radioscopy System

CT Scanner with Ultra 3D Accuracy and Resolution for Large Volume Inspection

EasyTom Features
- 3D µCT scan
- Real time high resolution digital radioscopy
- 6 motorized axis
- 4 to 250 µm/voxel resolution
- Great versatility for a wide variety of applications and analyzable products
- Large volume inspection
- Possible in situ experimentations
- Customize automation control cycles
- Resolution: to 5µ - Accuracy to: +/- 5µ
- Full inspection volume 32 cm (12.6”) diam* 42 cm (16.5")
- Full inspection 45 cm (17.7”) long sample
- 4 to 400 µm/voxel resolution

Easy to Use Software
- X-ACT CT acquisition software with multiple advanced plugins, semi-automated wizard plugin, macros for automated workflow, and CT reconstruction
- External and Internal Surface Geometry output as .STL for use with popular 3D Scan Data Processing Software
- Optional 3D Visualization and post processing software suites available to fit any application: Inspection, Reverse Engineering, Analysis, Porosity, Fiber Alignment, Wall Thickness, Comparison to CAD 3D Color Maps and much more

Non-Destructive Scanning
The EasyTom 130 & 150 Micro CT Scanners are x-ray inspection machines with computed tomography (CT) allowing collection of complex internal and external geometry. The EasyTom 3D CT micro and nano tomography features high resolution digital radioscopy, versatility for a wide variety of applications, 6 motion axis and large volume inspection.
## EasyTom CT Scanner

### Safety Cabinet
- Footprint: 2100x1100x2000 mm / 82.6” x 43.3” x 78.7”
- Lead / Steel construction and X-ray safety interlocks, designed to meet X-ray safety regulations
- Large internal volume for large samples
- Motorized sliding doors with large leaded windows

### Mechanics
- High accuracy motorized rotation and translation axis
- Imager lateral and vertical shift option for enlarged field of view and decreased ring artifacts
- Maximum sample weight: 30 kg

### X-Ray Generator
- Sealed micro-focus tube
- Voltage up to 150 kV
- Directional type
- Down to 4 µm resolution

### Imager
- High resolution flat panel detector
  - 1920 x 1536 pixels,
  - Active area: 20 x 25 cm,
  - 1-60 fps,
  - 127 µm pixel size,
  - 16 bits – 65 000 grey levels,
  - Very low noise and geometrical distortions,
  - Long life time.
  - Other images available on request

### Computers
- Various powerful GPU(s) configurations available
- PC, High resolution display screen, Windows 10

### Softwares
- RX Solutions X-ACT software:
  - Multiple advanced plugins to drive generator, imager, axes …
  - Other plugins available for: metrology, video sequences acquisitions, image filtering and processing, image export …
  - CT acquisition:
    - Semi-automated wizard plugin
    - Advanced plugin with options (360° rotation, stack, helical, continuous rotation, laminography …)
  - Learning / Macros mode for automated workflow
  - CT reconstruction: GPU implementation including various filters

  Post-processing software: 3D visualization, metrology, CAD comparison, porosity and wall-thickness analysis modules (in option).

### Analysis Software (Optional)
- Volume Graphics Studio Max
- 3D Visualization and post-processing software with metrology, CAD comparison, porosity, and wall thickness analysis module

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Manufactured by RX Solutions SAS, Chavanod, France