

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 μ CT scan
- Real time high resolution digital radioscopy
- 6 motorized axis
- Great versatility for a wide variety of applications and analyzable products
- Large volume inspection
- Possible in situ experimentations
- Customize automation control cycles
- Resolution: to 4μ - Accuracy to: $\pm 5\mu$
- 4 to 400 μm /voxel resolution

Part Capability

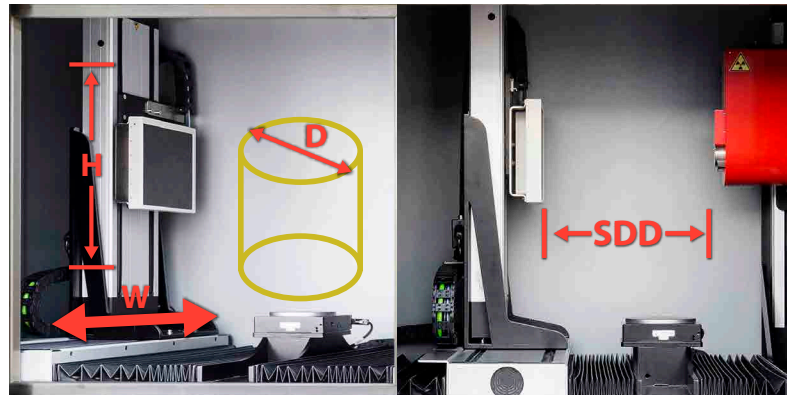
- Full inspection volume 32 cm (12.6") diam* 42 cm (16.5")
- W = 410 mm, using the system in 3D CT and 2D Radio: Max. Shift 2 : 460 mm max
- H = 410 mm
- SDD (distance between the emitter and the detector) = 900 mm (max. available space)

Easy to Use Software

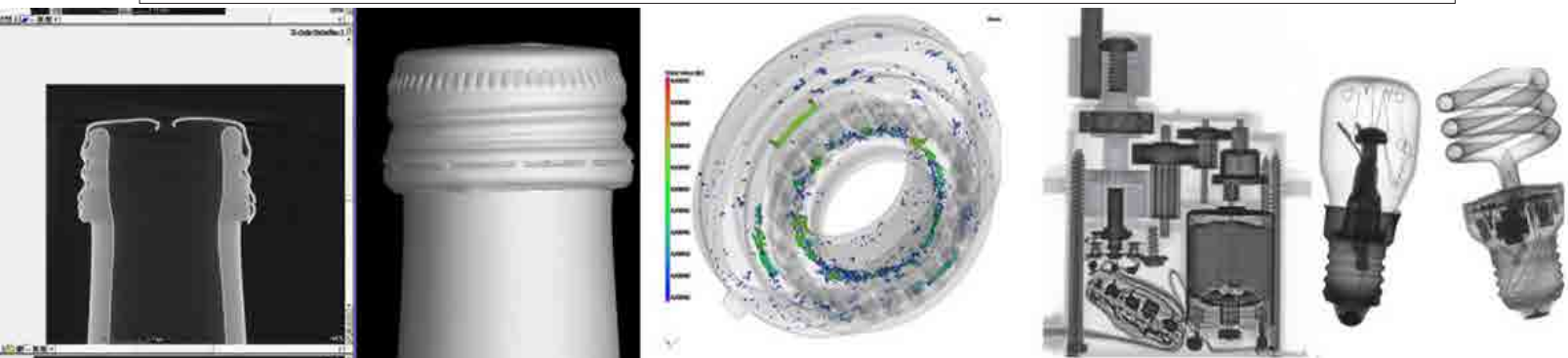
- X-ACT CT acquisition software with multiple advanced plugins, semi-automated wizard plugin, macros for automated workflow, and CT reconstruction
- External and Internal Surface Geometry output as .STL for use with popular 3D Scan Data Processing Software
- Optional 3D Visualization and post processing 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 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Sealed micro-focus tube • Voltage up to 230 kV • Directional type • Down to 4 µm resolution
Imager	<p>High resolution flat panel detector</p> <ul style="list-style-type: none"> • 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. <p>Other images available on request</p>
Computers	<ul style="list-style-type: none"> • Various powerful GPU(s) configurations available • PC, High resolution display screen, Windows 10
Softwares	<p>RX Solutions X-ACT software:</p> <ul style="list-style-type: none"> • Multiple advanced plugins to drive generator, imager, axes ... • Other plugins available for: metrology, video sequences acquisitions, image filtering and processing, image export ... • CT acquisition: <ul style="list-style-type: none"> - 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 <p>Post-processing software: 3D visualization, metrology, CAD comparison, porosity and wall-thickness analysis modules (in option).</p>
Analysis Software (Optional)	<ul style="list-style-type: none"> • Volume Graphics Studio Max • 3D Visualization and post-processing software with metrology, CAD comparison, porosity, and wall thickness analysis module



Manufactured by RX Solutions SAS, Chavanod, France

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Contact Laser Design today for more information
+1 952.884.9648 | info@laserdesign.com | www.laserdesign.com

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