



SOLUTIONS

Industrial X-Ray radioscapy and CT-scanners

HIGH RESOLUTION 3D MICRO COMPUTED TOMOGRAPHY & DIGITAL RADIOSCOPY COMPACT SYSTEM

DeskTom



- ▶ 3D μ CT scan
- ▶ Semi-automated wizard CT acquisition
- ▶ Real time high resolution digital radioscapy
- ▶ No maintenance
- ▶ 4 motorized motion axis
- ▶ 4 to 400 μm /voxel resolution
- ▶ Full inspection 25 cm (9.8") long sample
- ▶ Small footprint



Technical Specifications

Safety Cabinet

- Footprint : 1250 x 800 x 1800 mm / 49.2" x 31.5" x 70.9"
- Lead / Steel construction and X-ray safety interlocks, designed to meet X-ray safety regulations.
- Door with automatic locker during X-Ray emission.
- Total weight of system: < 800 kg.

Mechanics

- High accuracy motorized rotation and translation axes.

X-Ray generator

- Sealed micro-focus tube.
- Voltage up to 150 kV (several options available).

Imager

- High resolution flat panel detector :
- 1 920 x 1 536 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 imagers available on request

Computers

- Various powerful GPU(s) configurations available.
- PC, High resolution display screen, Windows 7.

Softwares

- RX Solutions X-Act software:
- Independant plugins to drive generator(s), imager(s), axes...
 - Other plugins available for : metrology, video sequence acquisition, image filtering and processing, image export...
 - CT acquisition :
 - semi-automooated wizard plugin
 - advanced plugin with options (360° rotation, stack, helical, continuous rotation, laminography...)
 - Learning/Macros mode from automated workflow
 - CT reconstruction : GPU implementation including various filters
- Post-processing software : 3D visualisation, metrology, CAD comparison, defect analysis : in option

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