

Micro-CT Scanners

Customized Cone Beam CT Systems

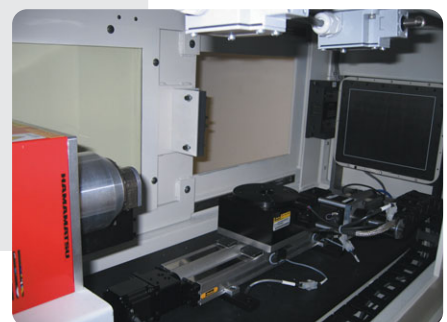
PreXion's advanced fully integrated Cone Beam CT System offers a complete imaging pipeline from data acquisition to image correction, image reconstruction, and 3D visualization.

X3DCT is equipped with state of the art equipment and powered by PreXion's fast and high resolution imaging software technology. At a touch of a button, an object can be scanned, reconstructed, and fully rendered for visualization and further inspection.



Specifications

- X-ray source: Microfocus 130 kV, min. 8 μ m focal spot
- Flat panel detector: 1920 x 1536, CsI, 127 μ m pitch
- Resolution: 20 μ m isotropic
- Motion control: 4 axis manipulators
- Maximum object size: 6 inch diameter sphere for full view (Detector size: 25 cm x 20 cm)
- Dimensions: 61" (L) x 27" (W) x 61" (H), 1,550 mm (L) x 689 mm (W) x 1,550 mm (H), 1800 lbs
- Scanning and image reconstruction time: 720 projections, 512³ size in 110 seconds
- Software included with X3DCT:
 - Scanner control software
 - Fast reconstruction solution, ReconPro
 - 3D Visualization workstation, i-View



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