

X7000[®]

Modular & Robust



2D Digital Radiography & 3D Computed Tomography

450 kV
max X-ray Energy

>90 in
[228 cm] focal distance

60 in x 60 in
[152 cm x 152 cm] nominal part envelope

Flexibility to Choose

North Star Imaging's team of experts will help you select the best combination of X-ray source and X-ray detector for your application. The large scanning envelope and generous focal distance allow for unparalleled inspection capabilities of very large objects.

System Capabilities

Maximum Focal Distance	>90 in [228 cm]
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X-Ray Source

Voltage Range	10 kV to 450 kV
Minimum Focal Spot Size	~5 μ m
X-Ray Tube Types	Micro-focus Mini-focus
Dual Tube Configuration	Optional

X-Ray Detector

Detector Types	Flat Panel (DDA) Linear Diode Array (LDA)
Grade Options	Standard Premium ASTM
Maximum Detector Size	16 in x 16 in [40 cm x 40 cm]
Dual Detector Configuration	Optional

Manipulator

Maximum Sample Weight	500 lb [227 kg] standard
High Load Configuration	Optional
Axis Travel	Vertical: 60 in [152 cm] Horizontal: 48 in [123 cm] Tilt: $\pm 20^\circ$ Rotation: 360° Continuous
Nominal Part Envelope	Diameter: 60 in [152 cm] Height: 60 in [152 cm]

Virtual Detector Dimensions Using a 16 in x 16 in [41 cm x 41 cm] Detector

	Standard		
Diameter	~16 in [40 cm]	~16 in [40 cm]	~48 in [122 cm]
Height	~16 in [40 cm]	~88 in [224 cm]	~88 in [224 cm]

Cabinet

Width	191 in [485 cm]
Depth	130 in [330 cm]
Height	137 in [348 cm]
Weight	50000 lb [22680 kg]

All cabinets are steel/lead/steel construction that meet or exceed 21 CFR 1020.40 and EN 61010-2-091 2012.

Exact specifications vary depending on tube, detector, and other optional configurations

Contact us for a consultation and quote for your project:

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