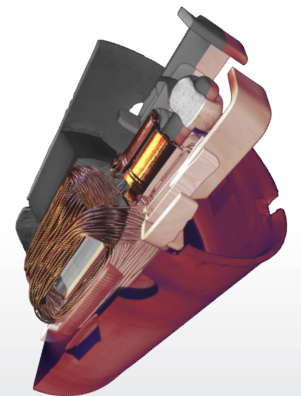


X3000[®]

Dynamic & Precise



2D Digital Radiography & 3D Computed Tomography

240 kV
max X-ray Energy

>3000X
Geometric Mag

19.5 in x 24 in
[50 cm x 61 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. Whether you are inspecting small or large components, the X3000 is the best option for customers needing a compact system with unique capabilities generally available on a larger X-ray or CT system.

System Capabilities

Geometric Magnification	>3000x
Overall Maximum System Resolution	~500 nm

X-Ray Source

Voltage Range	10 kV to 240 kV
Minimum Focal Spot Size	~500 nm
X-Ray Tube Types	Nano-focus Micro-focus Mini-focus
Dual Tube Head Configuration	Optional

X-Ray Detector

Detector Types	Flat Panel [DDA]
Grade Options	Standard Premium ASTM
Maximum Detector Size	16 in x 16 in [40 cm x 40 cm]

Virtual Detector Dimensions

Using a 16 in x 16 in [40 cm x 40 cm] Detector

	Standard	w/ vorteX	w/mosaiX
Width	~16 in [40 cm]	~16 in [40 cm]	~23.5 in [60 cm]
Height	~16 in [40 cm]	~24 in [61 cm]	~38 in [96 cm]

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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Manipulator

Maximum Sample Weight	75 lbs [34 kg] standard
Axis Travel	Vertical: 24 in [61 cm] Horizontal: 13 in [33 cm] Rotation: 360° Continuous
Nominal Part Envelope	Diameter: 19.5 in [50 cm] Height: 24 in [61 cm]

Cabinet

Width	103.5 in [263 cm]
Depth	51.9 in [132 cm]
Height	79 in [201 cm]
Weight	9500 lb [4300 kg]

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

