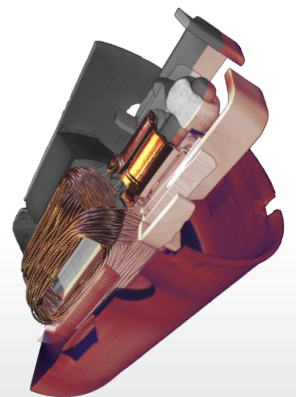
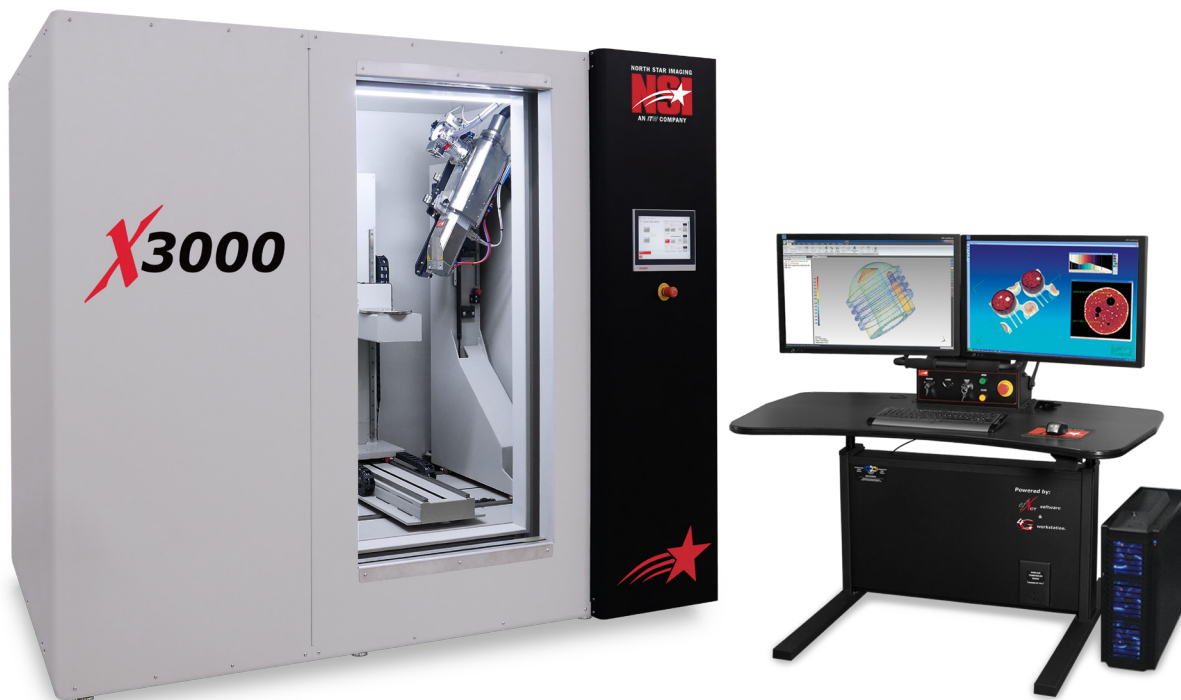


# X3000

Small Footprint with Huge Capabilities



2D Digital Radiography & 3D Computed Tomography

**225 kV**  
max X-ray Energy

**>2000X**  
Geometric Mag

**19.5 in x 24 in**  
[50 x 61 cm] nominal part envelope

# Flexibility to Choose

North Star Imaging applications specialists will help you select the best combination of X-ray source and X-ray detector for your application. Whether you need to penetrate through several inches of thick aluminum castings or focus on a gold bond wire the thickness of a human hair, we can configure the X3000 to work for your needs.

## System Capabilities

Geometric Magnification	>2000x
Overall Maximum System Resolution	<500 nm

## X-Ray Source

Voltage Range	10 kV to 225 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

Our applications specialists will recommend the best combination of signal to noise ratio, contrast sensitivity, and efficiency.

Detector Types	Flat Panel (DDA)
Grade Options	Standard - 14 bit Premium - 16 bit
Maximum Detector Size	16 in x 16 in [40 cm x 40 cm]

## Virtual Detector Dimensions Using a 8 in x 10 in [20 cm x 25 cm] Detector

	Standard*	w/ VorteX*	w/MosaiX*
Diameter	~10 in [25 cm]	~10 in [25 cm]	~32 in [81 cm]
Height	~8 in [20 cm]	~24 in [61 cm]	~30 in [76 cm]

## Manipulator

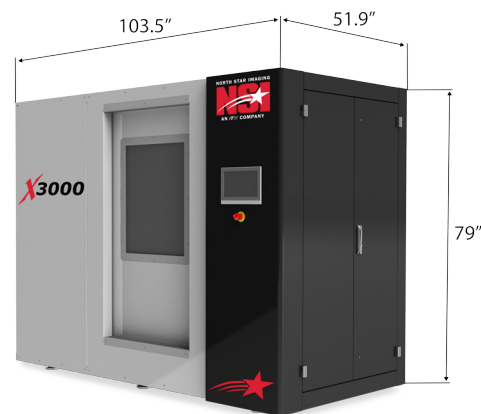
Maximum Sample Weight	75 lbs [34 kg] standard
Scan Travel*	Vertical: 24 in [61 cm] Horizontal: 11 in [28 cm] Rotation: 360° Continuous
Nominal Part Envelope*	Diameter: 19.5 in [50 cm] Height: 24 in [61 cm]

\* Exact measurements vary depending on tube, detector, and other optional configurations

## Cabinet Exterior Dimensions

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.



Contact us for a consultation and quote for your project:

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