

X3000[®]

Dynamic & Precise
X-ray System



2D Digital Radiography & 3D Computed Tomography

240 kV

Maximum X-ray Energy

53 in

[134.6] Maximum Focal Distance

19.5 x 24 in

[50 x 61 cm] Nominal Part Envelope

Flexibility to Choose

The X3000 is the best option for customers needing a compact system with capabilities that are typically only available on a larger X-ray or CT system. This system has the versatility needed for inspecting small or large components. North Star Imaging's team of experts will help you select the best system configuration for your application.

System Features

DICONDE	Compliant
Process Controls	Integrated
Advanced Imaging Modalities	SubpiX MosaiX VorteX Ring Reduction
efX Software Suite	Integrated
Motion Control	Integrated
RobotiX Loader	Optional

X-Ray Source

Voltage Range	10–225 kV
Minimum Focal Spot Size	~900 nm
X-Ray Tube Types	Microfocus - Reflection Microfocus - Transmission Microfocus - Dual Head Minifocus

X-Ray Detector

Detector Types	Flat Panel (DDA)
Grade Options	Premium Superior (ASNT)
Pixel Pitch Range	100–200 µm
Maximum Detector Size	17 x 17 in [43.2 x 43.2 cm]

Exact specifications vary depending on source, detector, and other optional configurations.

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

Manipulator

Maximum Sample Weight	75 lb [34 kg]	
Part Travel	<i>Horizontal</i>	13.8 in [35.1 cm]
	<i>Vertical</i>	24 in [60.96 cm]
	<i>Source to Detector</i>	32 in [86 cm]
	<i>Rotation</i>	360° Continuous
Nominal Part Envelope	19.5 x 24 in [50 x 61 cm]	
Maximum Focal Distance	53 in [134.6 cm]	

Cabinet

Width	103.5 in [263 cm]
Depth	52.5 in [133 cm]
Height	79 in [201 cm]
Weight	9,500 lb [4,300 kg]



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