

# X5000<sup>®</sup>



Versatile & Configurable  
X-ray System



2D Digital Radiography & 3D Computed Tomography

**450 kV**

Maximum X-ray Energy

**63 in**

[160 cm] Maximum Focal Distance

**32 x 48 in**

[81 x 121 cm] Nominal Part Envelope

# Flexibility to Choose

The X5000 has a large scanning envelope for larger parts while maintaining the ability to inspect small components. The system also has an ergonomic loading feature to easily load large parts. 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	10–450 kV
Minimum Focal Spot Size	~900 nm
X-Ray Tube Types	Microfocus - Reflection
	Microfocus - Transmission
	Microfocus - Dual Head
	Minifocus
Dual Tube Configuration	Optional

## X-Ray Detector

Detector Types	Flat Panel (DDA)	
	Linear Diode Array (LDA)	
Grade Options	Premium	
	Superior (ASTM)	
Pixel Pitch Range	DDA	100–200 µm
	LDA	200–400 µm
Maximum Size	DDA	17 x 17 in [43.2 x 43.2 cm]
	LDA	36.3 x 0.03 in [92.2 x 0.08 cm]
Dual Detector Configuration	Optional	

## Manipulator

Maximum Sample Weight		500 lb [227 kg]
Part Travel	Horizontal	43 in [109 cm]
	Vertical	50 in [127 cm]
	Source to Detector	44–63 in [112–160 cm]
	Tilt	+20°/-20°
	Rotation	360° Continuous
Nominal Part Envelope		32 x 48 in [81 x 121 cm]
Maximum Focal Distance		63 in [160 cm]

## Cabinet

Width		117 in [297 cm]
Depth		81 in [206 cm]
Height		98 in [249 cm]
Weight	240 kV	15,100 lb [6,849 kg]
	450 kV	30,200 lb [13,698 kg]

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.



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