

# MeV<sup>X</sup> Series

High Energy X-ray Systems

NORTH STAR IMAGING



AN ITW COMPANY



2D Digital Radiography & 3D Computed Tomography

**9 MeV**

Maximum X-ray Energy

**25.8 ft**

[7.87 m] Maximum Focal Distance

**3,000 lb**

[1,360 kg] Maximum Capacity

# Image is Everything

High energy MeVX systems are designed with proprietary methods of scatter reduction that when combined with our specialized techniques and modalities have repeatedly proven to produce the highest image quality in the industry. Offered with energies up to 9 MeV, the MeVX Series of systems provide the same ease of use as our low energy systems in a high energy format.

## System Features

DICONDE	Compliant
Process Controls	Integrated
Sync	Integrated
Advanced Imaging Modalities	MosaiX SubpiX VorteX
efX Software Suite	Integrated
Motion Control	Integrated

## X-Ray Source

Energy Selection	3/6/9 MeV
Minimum Focal Spot Size	>1 mm <sup>1</sup>
Output [Dose]	3–30 Gy/min

## X-Ray Detector

Detector Types	Flat Panel [DDA] Linear Diode Array [LDA]
Pixel Pitch	100–400 µm
Maximum DDA Size	16.8 x 16.8 in [42.7 x 42.7 cm]
Maximum LDA Length	35.9 in [91.2 cm]

## CT Scanning Envelope

DDA	Maximum Diameter	48 in [122 cm]
	Maximum Height	70 in [178 cm]
LDA	Maximum Diameter	48 in [122 cm]
	Maximum Height	55 in [139.7 cm]

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

Notes:

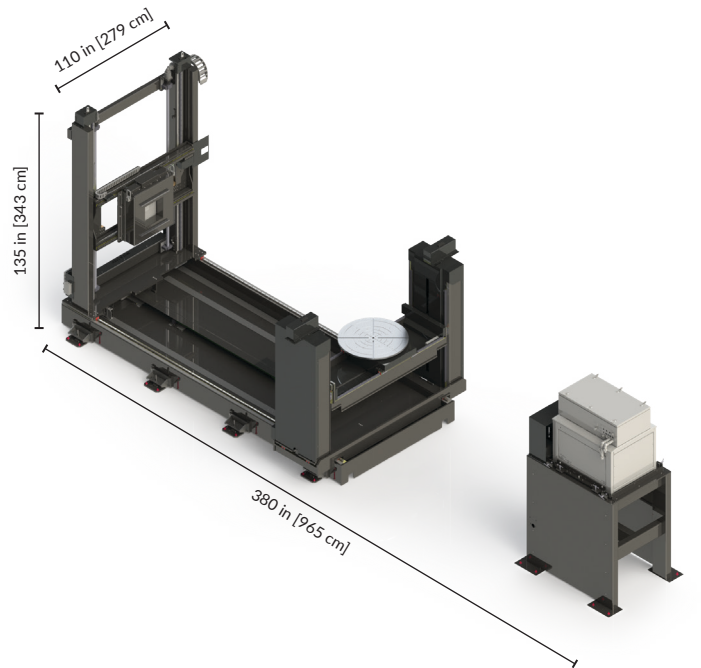
1. With select sources.
2. Focal distances may vary dependent on manipulator placement. Minimum focal distance may be reduced by up to 100 in [254 cm].
3. Includes manipulator and source stand. Source weight not included.

## Manipulator

Maximum Sample Weight		3,000 lb [1,360 kg] standard
Part Travel	Horizontal	48 in [122 cm]
	Vertical	48 in [122 cm]
	Source to Detector	132 in [335 cm]
	Rotation	360° Continuous
Focal Distance	Minimum	178 in [452 cm] <sup>2</sup>
	Maximum	310 in [787 cm] <sup>2</sup>

## Dimensions

Length	380 in [965 cm]
Depth	110 in [279 cm]
Height	135 in [343 cm]
Weight	13,500 lb [6,124 kg] <sup>3</sup>



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