

VJTechnologies

VEDA PRO

Large Envelope
225kV & 450kV
DR & CT System



VEDA PRO

System Specifications

Source	Microfocus	Standard Focus
kV Range	160kV–300kV	160kV–600kV
Focal Spot	As small as 1µm	0.4mm–1.0mm
Spatial Resolution Available	3µm	300µm

Detector & System	DDA/FPD	LDA
Size	Various detectors from 20x20 – 43x43cm	18"–36"
Pixel Pitch (µm)	100 µm – 400 µm	80µm–400µm

Product Specification

Turntable Rotation	360° rotation, 100kg capacity
Object Rotate Stage X (L/R)	Up to 550 mm travel across the x-ray axis
Object Rotate Stage Z (Mag)	Up to 1400mm travel range
Object Rotation Stage Tilt	Optional Tilt (+/-) 20°
Detector X (L/R)	Up to 600mm travel
Detector Y (U/D)	Up to 900mm travel
Detector Z (Mag)	Up to 1400mm travel
Tube Stage (U/D)	Up to 950mm travel
Steel/Granite Base Manipulator	Dual Source and Dual Detector

Imaging Specs

Voxel Size	Down to 1µm based on object geometry
Sample Envelope Size	1 meter width x 1.3 meter height

Cabinet

Length	7'2" / 2198mm
Width	15'1" / 4600mm
Height	9'4" / 2850mm
Weight	27T / 24545kg

Software

Image Acquisition	✓i5 ^{DR} Image Acquisition Software
DR Image Analysis	✓i5 ^{DR} Image Analysis Software, ADE™
CT Reconstruction	✓i5 ^{CT} Reconstruction, Fan Beam/Cone Axial CT, Helical CT, Range Extension CT
CT Artifact Correction	Scatter, Beam Hardening, Ring Artifact, IAR
CT Analysis & Visualization	✓i5 ^{CT} Viewer Software, Volume Graphics
Additional CT Options	Avizo, Simpleware, and etc.

Travel distance may vary slightly depending on the component selected

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Other Locations
China, India, France, Mexico
Multiple Locations in USA

