



RAD SOURCE NDT

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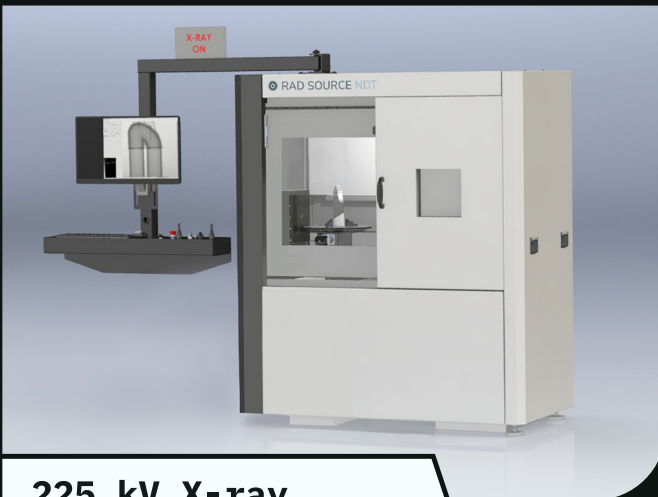


MINIMIZE DOWNTIME, MAXIMIZE THROUGHPUT

Rad Source NDT provides turnkey X-ray inspection systems and comprehensive NDT services. We help customers improve quality, increase operational efficiency, and lower inspection costs.

APPLICATIONS

- Weld Coupon Inspection
- Product Quality Compliance
- Reverse Engineering
- Assembly Verification
- Failure, Void, and Porosity Analysis
- Film Radiography (optional)



**225 kV X-ray
Inspection System**



**320 kV X-ray
Inspection System**

FEATURES & OPTIONS

Real-time X-ray inspection

High Resolution:

4K digitizing panel and monitor

On-screen Annotation:

Customizable DICONDE Tags

Image Averaging:

Noise is reduced by averaging pixels

Image Filtration:

Brightness, contrast, inversion, binarize, smooth, sharpen

Adjustable Magnification:

Multiple part locations

Measuring Tool:

Save measurements as part of the image

File Management:

Store or transfer via Wi-Fi or USB

Automatic Defect Recognition:

Customized for material and defect type

Multi-axis Manipulation Available



SPECIFICATIONS

	225 kV Inspection System	320 kV Inspection System
Energy Range	10-225 kV, 640 W / 1600 W	10-320 kV, 640 W / 1600 W
Inherent Filtration	0.8 mm Beryllium	3.0 mm Beryllium
Scintillator	Cesium iodide	Gadolinium oxysulfide
Focal Spot Sizes	1.0 mm and 3.0 mm	1.9 mm and 3.6 mm
Source to Image Distance	Fixed 49" Source to Image Distance	Variable 36" - 60"
Imaging Area	215 mm x 215 mm, 8.5" x 8.5"	298 mm x 298 mm, 11.7" x 11.7"
Frame Rate	27 fps	18 fps
Pixel Size	151 µm	194 µm
Part Manipulator	Motorized 4-axis manipulator with 15" turntable	2-axis with 5" chuck
Tube / Image Motion	Motorized up / down on tube and image panel	Motorized up / down on tube
Motion and Shutter Control	PC workstation with Joystic control	PC workstation with Joystic control
Cooling	Water to Air, internal chillers included	Oil to Air, internal chillers included
Electrical Requirements	230 VAC +/- 10%, 47-63Hz, 40A, 1φ (single-phase), 3 conductor (L1, L2, Ground)	230 VAC +/- 10%, 47-63Hz, 40A, 1φ (single-phase), 3 conductor (L1, L2, Ground)
Footprint Dimensions	114" W x 42" D x 86" H 290 cm W x 107 cm D x 218 cm H	77" W x 60" D x 114" H 196 cm W x 152 cm D x 290 cm H
Cabinet Dimensions	66" W x 34" D x 76" H 168 cm W x 86 cm D x 193 cm H	49" W x 60" D x 114" H 124 cm W x 152 cm D x 290 cm H
Weight	3,200 lb, 1,451 kg	7,700 lb, 3,493 kg

SAFETY & QUALITY

Rad Source NDT Inspection Systems receive a quality inspection and radiation survey prior to shipment and again at installation.

They are manufactured as cabinet X-ray devices and conform to the radiation safety guidelines in 21 CFR 1020.40

INSTALLATION & WARRANTY

Installation: includes radiation survey and on-site training.

12 Month Full Warranty: includes all parts, labor, and travel.

Service Contract Program: available for purchase within 12 months of installation date.

COMPREHENSIVE NDT SERVICES

Backed by 30 years of NDT service experience and a highly trained, responsive global support team.

- Service for most X-ray OEMs
- Emergency repair
- Preventative maintenance
- Training & certification support



Scan to
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