

NDT 1000 INSPECTION SYSTEM

Our Image is Everything™



APPLICATIONS

- Weld and Solder Inspection
- Failure, Void, and Porosity Analysis
- 3D Print Model Inspection
- Product Quality Compliance
- Assembly Verification
- Reverse Engineering
- Film Radiography (optional)

FLEXIBLE, FAST, POWERFUL

The NDT 1000 has the capability to efficiently inspect materials and assemblies in industries where quality is a top priority, including aerospace, defense, automotive, and testing services. Materials of up to 0.5" thick, including steel piping and welds, can be inspected in one second.

HASSLE-FREE OWNERSHIP - EASY TO USE

- No training necessary
- Compact size and portability
- Worry-free maintenance
- Uses a standard 120 volt outlet
- No external cooling system required

FEATURES

High Resolution:

4K digitizing panel and monitor

On-Screen Annotation:

Customizable DICONDE Tags can be added to images

Image Averaging:

Image noise is reduced by averaging each pixel for up to 8 frames

Image Filtration:

Brightness, contrast, inversion, binarize, smooth, sharpen

Adjustable Magnification:

Four shelf locations to change the image size

Measuring Tool:

Save measurements between two points as part of the image

File Management:

Store on hard disc and transfer via Wi-Fi or USB port
Also load existing images for manipulation

OPTIONS

Automatic Defect Recognition:

Customized for each customer for material and defect type

Pass Through Inspection:

Custom process-control for high-throughput and inspection results feedback

NDT

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Flexible + Fast + Powerful



PHYSICAL DIMENSIONS

Equipment Dimensions (W x H x D):

45" x 72.5" x 31"
114 cm x 183 cm x 79 cm

Internal Chamber Dimensions (W x H x D):

16.4" x 12.7" x 14.9"
41.7 cm x 32.2 cm x 37.8 cm

Equipment Weight:

1,400 lb
635 kg

SAFETY & QUALITY

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

Rad Source NDT Inspection Systems are manufactured as cabinet x-ray devices and conform to the radiation safety guidelines in US CFR 1020.40

CUSTOM SOLUTIONS

We can design and build custom solutions to image components with various sizes, materials, densities, defect types, or automation requirements.

IMAGING GUIDELINES

Imaging Area: 7.5" x 7.5" / 19 cm x 19 cm
(dependent on shelf level)

Scintillator: cesium iodide

Energy Range: 30- 160 kV

Tube Current: 1-4 mA

Focal Spot Size: 0.5 mm

Inherent Filtration: 1.5 mm ultem, 9.0 mm oil,
1.7 mm glass, 0.8 mm beryllium

Pixel Size: 152 μ m

Magnification: up to 1.5x

Electrical Requirements: 120 VAC, 10 A

INSTALLATION & WARRANTY

Installation:

Includes radiation survey and on-site training

12 Month Full Warranty:

Includes all parts, labor, and travel

Service Agreement Program:

Available for purchase within 12 months of installation date

SERVICE

Unrivaled x-ray solutions support from a highly trained and responsive global service and support team. We are able to service x-ray systems from all manufacturers.



Rad Source is a global leader in developing x-ray solutions. Our equipment resides in major labs, healthcare institutions, and renowned universities around the world. Based in Buford, Georgia, USA

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www.radsources.com

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