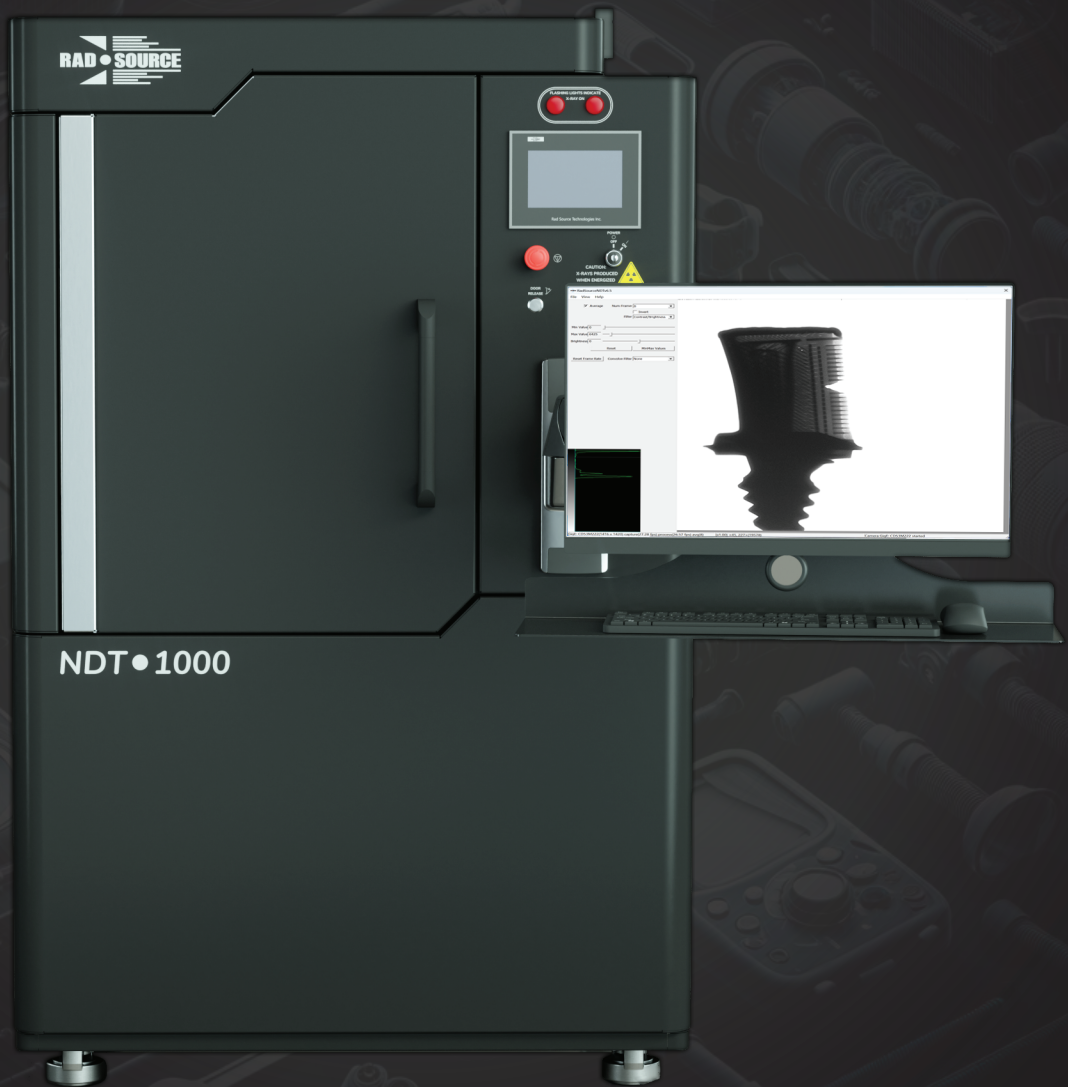


THE NDT 1000 X-RAY INSPECTION SYSTEM



PRODUCT BROCHURE



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 electronics. Materials of up to 0.5” thick, including steel piping and welds, can be inspected in one second.

APPLICATIONS

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

HASSLE-FREE OWNERSHIP - EASY TO USE

- No training necessary
- Compact size and portability
- Castor wheels
- 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:

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

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

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

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 µm

Magnification: up to 1.5x

Electrical Requirements: 120 VAC, 10 A

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

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

CUSTOM SOLUTIONS

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

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 is utilized in esteemed aerospace centers, key defense institutions, leading automotive factories and global testing service facilities. Based in Buford, Georgia, USA



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