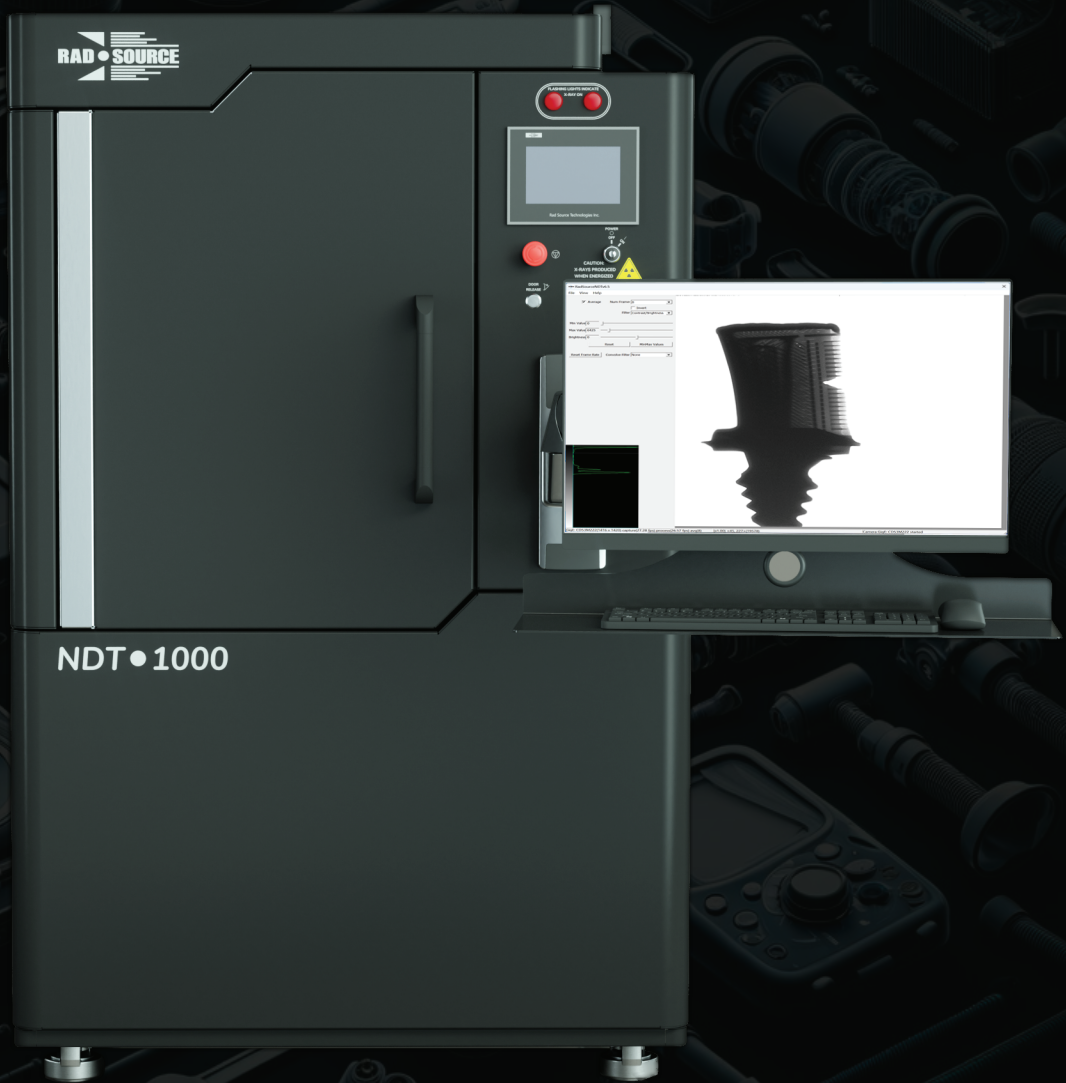




THE NDT 1000 X-RAY INSPECTION SYSTEM



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

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

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.

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

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





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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