

NDT-2000

NDT/RT film digitizer



 **BAM** Design-type tested

Certification N°: BAM/ZBF/007/21



Comply with
ISO 14096 DS5.5

Features



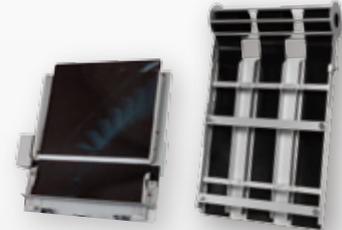
High Resolution

Equipped with 1200 dpi (21 μ m) resolutions and 16 bits



High Dynamic Range

Able to detect density changes between 0.37 to 4.5 optical density



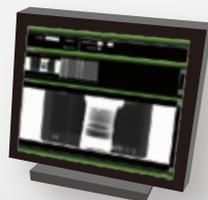
Kinds of film feeder

Optional AFF & MFF enhance working efficiency



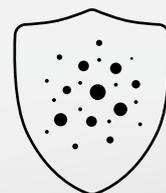
Support All Film Sizes

Able to scan all standard film sizes and roll films up to 14" x 200"



Consistent Image Quality

Self-calibration ensuring consistent image quality

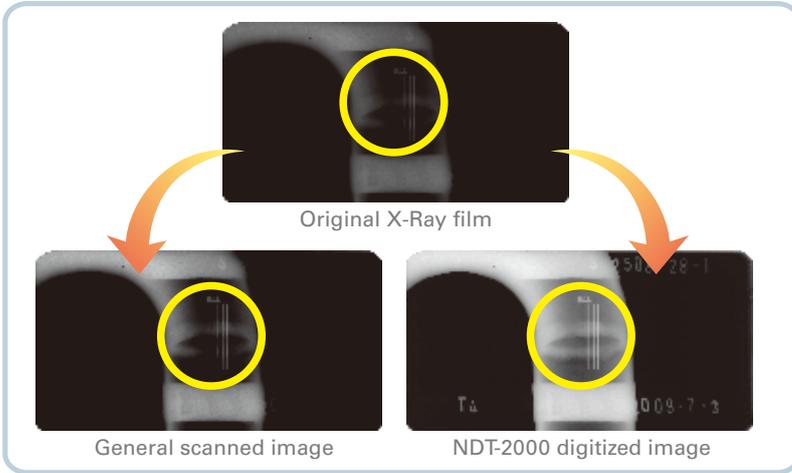


Tough Environment Resistant

Dust and dirt preventing design to conquer tough environments

Gradational Image Layers

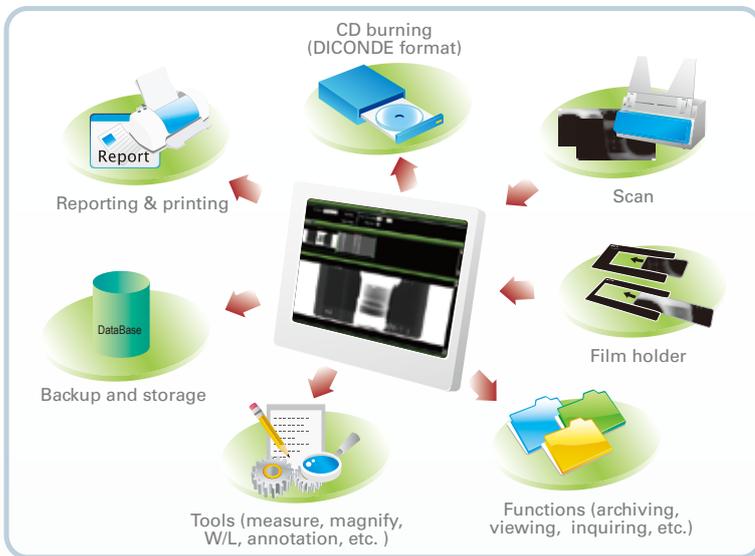
Adopted with specialized hardware technology, NDT-2000 Digitizing System can reduce noise ratio evidently and thus it can present image layers more vividly, presenting true face of industrial films and meeting with high requirements toward image quality of NDT/RT industry.



User-friendly and Intuitive Interface

MiiNDT, film digitizing and management software, lets you capture digital images in seconds and also provides you with related information about inspected images in details.

Besides, it supports judging of films in long length. With just a simple and quick connection, you can file industrial films and then start follow-up applications immediately, such as searching, measuring, annotation, burning to CD/DVD, report making and file transmitting. The captured images can be transformed into the ASTM standard and meet with the DICONDE format, easier to be reviewed and shared among NDT/RT industry.



Specifications

Type	Sheet-fed film digitizer
Image Sensor	CCD
Lamp Source	Green LED
Scanning Method	Grayscale in single scanning pass
Bit Depth	8-bit, 16-bit grayscale
Resolution	1200 dpi (21 μm)
Dynamic Range	0.37D ~ 4.5D (BAM certified as ISO 14096 DS5.5)
Scanning Area	14" x 200" (355.6 mm x 5080 mm)
Scanning Speed	@ 300 dpi in grayscale per 14" x 17" film 3.5D mode : 58 sec. 4.0D mode : 110 sec. 4.5D mode : 232 sec.
Film Size	Min: 2.5" x 2.5" (63.5 mm x 63.5 mm) Max: 14" x 200" (355.6 mm x 5080 mm)
Interface	Hi-Speed USB (USB 2.0)
Film Holders	8.5" x 4.5", 12" x 3 1/3"
Dimensions (L x W x H)	12.9" x 18.7" x 8.8" (329 mm x 474 mm x 224 mm; Film holders are not included)
Weight	44.5 lbs. (20.2 kg)
Power Supply	AC 100V to 240V, 50-60 Hz, 4.0A Max (Input)
Power Consumption	320 W (Max)
Certifications	CE, FCC, CB, ETL, BSMI, CCC, RoHS, WEEE
Optional Accessory	AFF: 15 pieces of film at one time (Min: 2.5" x 10" / Max: 14" x 17") Multi-channel Film Feeder (MFF): 3 films per scan of width below: 3.5" / 4.5" / 60mm / 70mm / 80mm / 90mm / 100mm 2 films per scan of width below: 120mm and 140mm

System Requirements

- DVD-ROM drive (for installing software)
- 4GB RAM or above
- Pentium IV PC or higher with Hi-Speed USB (USB 2.0) port
- Microsoft Windows 7 / 10

Inbox Contents

- Digitizer unit with film holders
- Power cord
- High-Speed USB 2.0 cable
- CD (Includes driver and scan setting software, ScanWizard_Industry)
- User Manual, Installation Guide, and Unpacking Instruction.

Scan Control Module

- Resolution: 150, 300, 600, 1200 dpi
- Scan Area: Up to 14" x 200"
- Support: AFF, Multi-tray Feeder
- Depth: 8 or 16 bits (Default)
- File: Tiff, JPEG, JPEF 2000, BMP, etc.
- Integration: TWAIN

ScanWizard-Industry
(Bundled)

Image Archive and Viewer (DICONDE)

- File: DICONDE
- Local/network database
- Image Enhancement Tools
- Filters
- Report
- Send images over DICONDE network protocol

Software selection:

MiiNDT **AcuScreen**

MICROTEK INTERNATIONAL, INC.

No.6, Industry East Road 3, Hsinchu Science Park, Hsinchu 30075, Taiwan
Tel: +886-3-577-2155 Fax: +886-3-577-2598 www.microtek.com

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