

# NDT-2000

## NDT/RT film digitizer



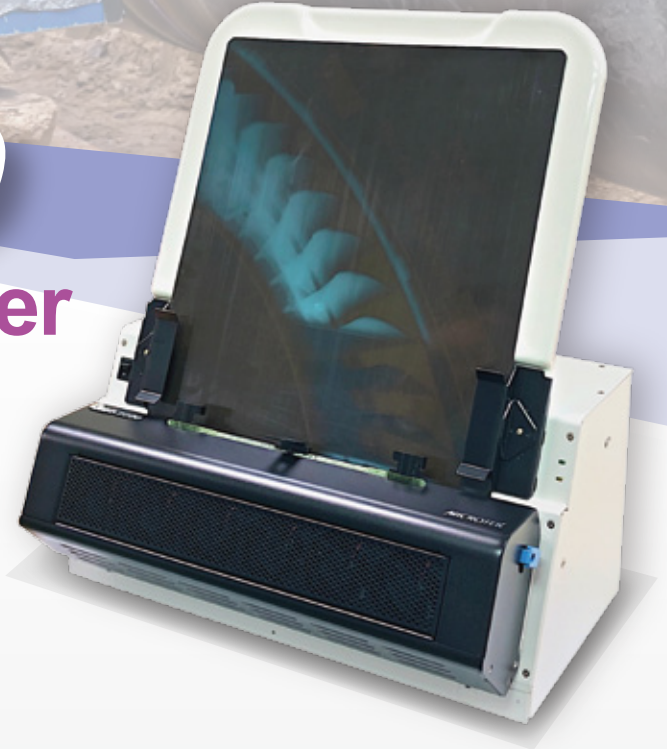
**BAM**

Design-type tested

Certification N°: BAM/ZBF/007/21



Comply with  
ISO 14096 DS5.5



### Features



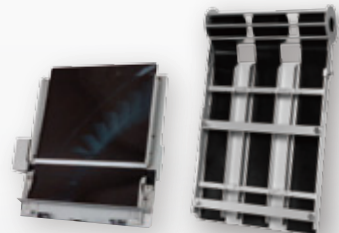
#### High Resolution

Equipped with 1200 dpi ( 21  $\mu$ m) resolutions and 16 bits



#### High Dynamic Range

Able to detect density changes between 0.37 to 4.5 optical density



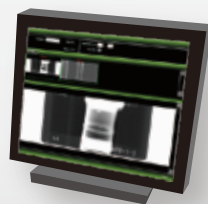
#### Kinds of film feeder

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

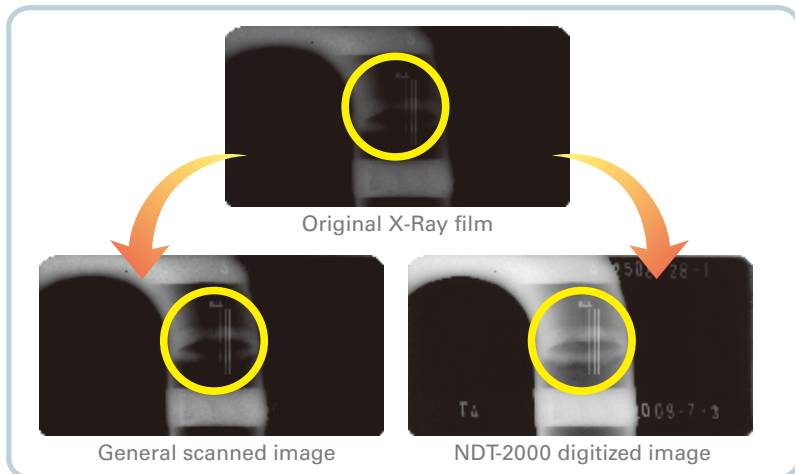


#### Tough Environment Resistant

Dust and dirt preventing design to conquer tough environments

## Gradational Image Layers

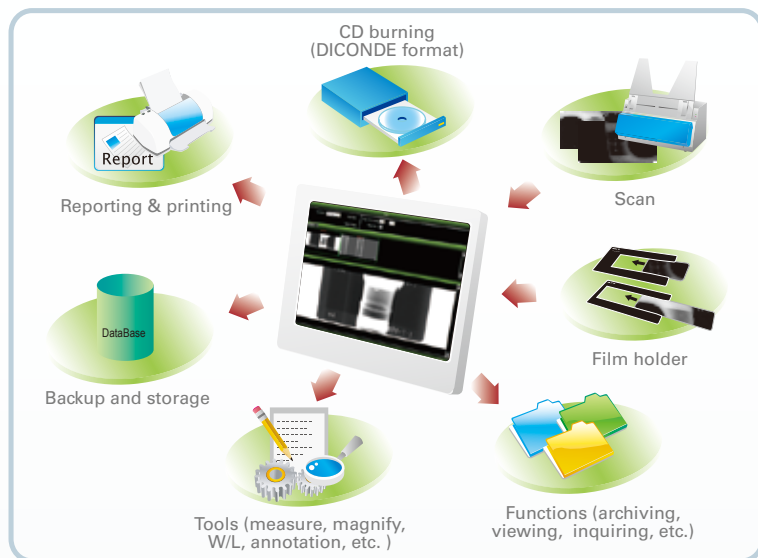
Adopted with specialized hardware technology, NDT-2000 Digitizing System can reduce noise ratio evidently and thus it can present image layers more vividly, presenting true face of industrial films and meeting with high requirements toward image quality of NDT/RT industry.



## 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<br>3.5D mode : 58 sec.<br>4.0D mode : 110 sec.<br>4.5D mode : 232 sec.                                                                                                                                              |
| Film Size              | Min: 2.5" x 2.5" (63.5 mm x 63.5 mm)<br>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"<br>(329 mm x 474 mm x 224 mm;<br>Film holders are not included)                                                                                                                                                                          |
| Weight                 | 44.5 lbs. (20.2 kg)                                                                                                                                                                                                                                           |
| Power Supply           | AC 100V to 240V, 50-60 Hz,<br>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<br>(Min: 2.5" x 10" / Max: 14" x 17")<br>Multi-channel Film Feeder (MFF):<br>3 films per scan of width below:<br>3.5" / 4.5" / 60mm / 70mm / 80mm /<br>90mm / 100mm<br>2 films per scan of width below:<br>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 / 11

## 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**

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