NDT-2000

Optional
5M film adapter

For NDT industry, by NDT professionals.

NDT-2000 Industrial Film Digitizing System is a down-to-earth digital imaging solution developed exclusively by Microtek for radiographic testing (RT) in non-destructive testing (NDT). This system is designed to digitize and store the detailed information contained in the radiograph (analog image) used in aerospace, petrochemical, military, and other industrial testing. It addresses the needs of exceptional image quality with affordable cost comparing to laser scanners.

NDT-2000 film digitizer is the successor of MII-900 Plus. It is the only high-resolution industrial film digitization available on the market, with a resolution up to 21 μm. The new generation of film digitizer improves its dynamic range, image contrast, scanning speed, and dust-and-dirt protection. It also supports DICONDE management software like MiiNDT and AcuScreen to ensure all saved images comply with ASTM standards. The system offers you a turnkey digital transformation solution which complies with industry standards.

Implementing digitization solution benefits

- Enhance image by using digital tools
- Eliminate film store cost
- Portability of images and reports

- Data Accessibility
- Efficient work-flow for inspection

1200 dpi
High Resolution

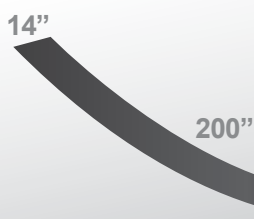Equipped with 1200 dpi (21 μm) resolutions and 16 bits.

High Dynamic Range

Able to detect density changes between 0.5 to 4.5 optical density.

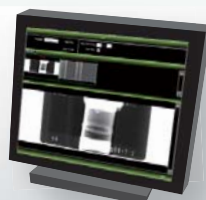**Kinds of film feeder**

Optional Auto-film feeder (AFF) enhance working efficiency.

14"
200"
Support All Film Sizes

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

Consistent Image Quality

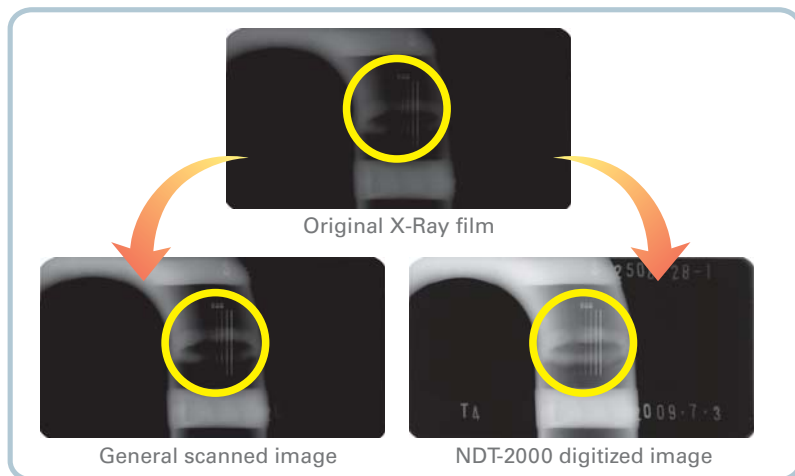Self-calibration ensuring consistent image quality

Tough Environment Resistant

Dust and dirt preventing design to conquer tough environments
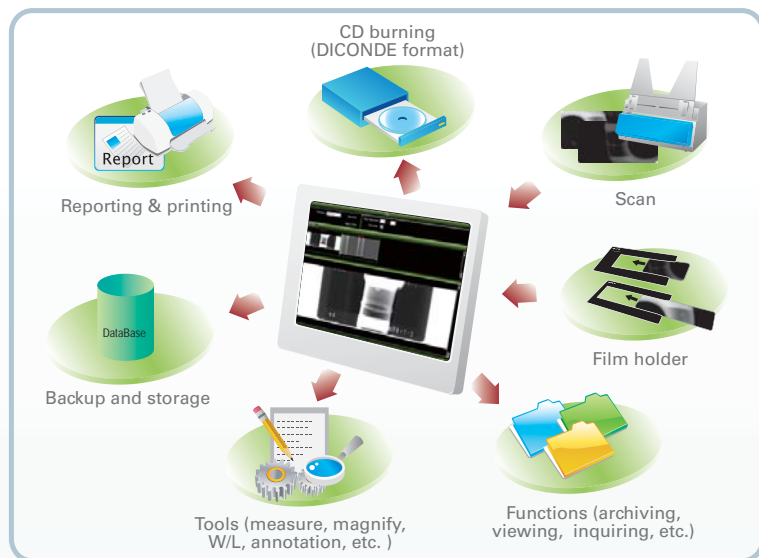
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Gradational Image Layers

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.

Original X-Ray film

General scanned image

NDT-2000 digitized image

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.

CD burning (DICONDE format)

Reporting & printing

Report

Scan

DataBase

Backup and storage

Film holder

Tools (measure, magnify, W/L, annotation, etc.)

Functions (archiving, viewing, inquiring, etc.)

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 (Defult)
- File:Tiff, JPEG, JPEF 2000, BMP, etc.
- Integration: TWAIN

ScanWizard-Industry
(Bundled)

Image Archive and Viewer (DICONDE)

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

Software selection:

MiiNDT   AcuScreen

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	0.5D ~ 4.5D (Base on ISO 14096)
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, 47-63 Hz, 1.5A 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

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 Manuel, Installation Guide, and Unpacking Instruction.

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