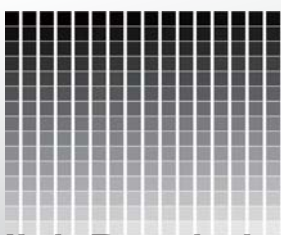# NDT-2000

Better Imager Quality Gives More Bang for the Buck

NDT-2000 Film Digitizing System

NDT-2000 Film Digitizing System is a down-to-earth digitization solution developed exclusively by Microtek for using in NDT/RT industry. This is a modified model from the MII-900 Plus which is able to provide better industrial digitizing images. Used together with MiiNDT, an image analyzation and management software, it is capable to offer more effective solutions for NDT/RT business which want to step into the field of digital management.

Besides retaining great functions of the original MII-900 Plus, such as 1200-dpi (21μm) optical solutions, 16-bit grayscale and exclusive AFF and multi-channel trays, NDT-2000 adopts better optical density via innovative image technology and therefore it can enrich image layers and meet with high requirements about image quality from the NDT/RT industry.
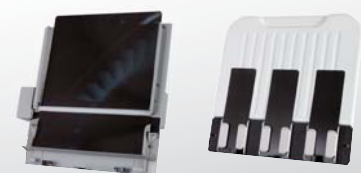
High Resolution
Equipped with 1200 dpi resolutions, 4.5D optical density and 16-bit grayscale

High Efficiency
Green LED improves image capturing efficiency
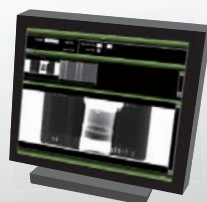
AFF   Multi-Channel Tray
Flexible Accessories
Optional AFF and multi-channel tray enhance working efficiency

Large Film Size
14"   200"
Maximum scanning area is up to 14"x200", supporting most sizes of industrial films

Powerful Software
Bundled with multi-functional image management software, including functions of file building, searching, measuring, annotating, zooming, report making, saving and burning; meeting with the DICONDE standard
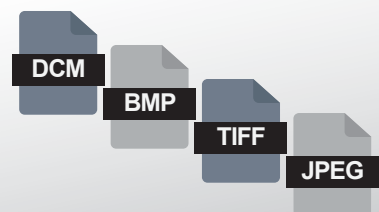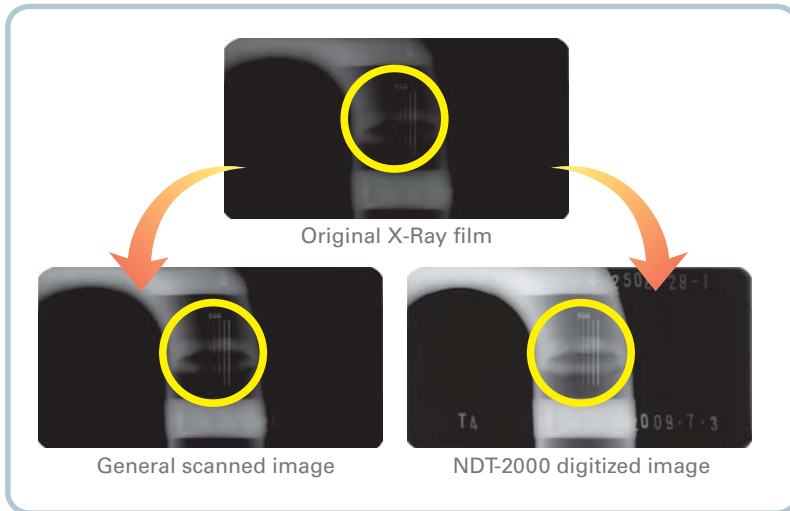
Image Formats
DCM BMP TIFF JPEG
Supports image formats of DCM, BMP, JPEG and TIF
Supports both lossy and lossless compression formats of JPEG 2000
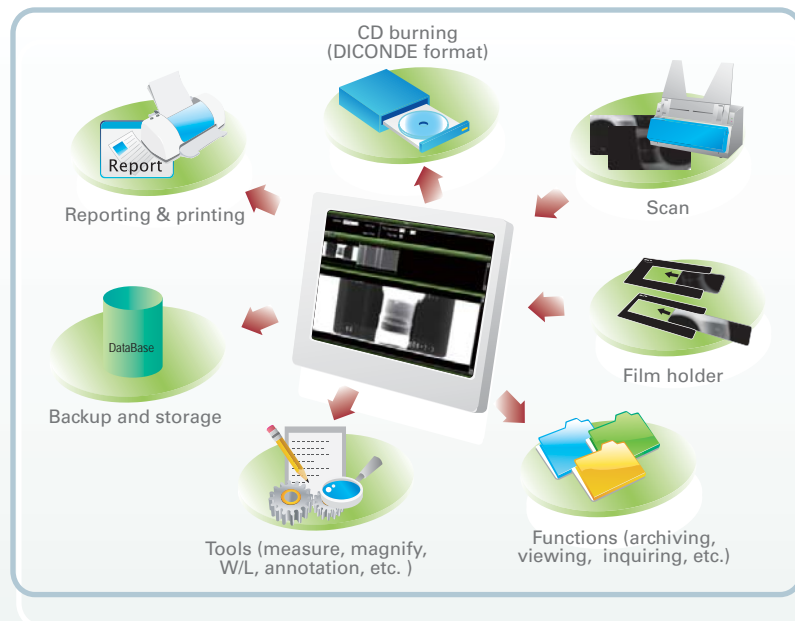
Gradational Image Layers

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 distance. 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, 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

DataBase

Backup and storage

Scan

Film holder

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

Functions (archiving, viewing, inquiring, etc.)

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 DA mode : 58 sec. DB mode : 110 sec. DS 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, BSMI, ETL, CCC, RoHS
Optional Accessory	AFF: 15 pieces of film at one time (Min: 2.5" x 10"/ Max: 14" x 17") Multi-channel tray: 3 pieces of film in the size of 30.5 x 8 cm

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 XP / 7 / 8 /10

Inbox Contents

- Digitizer unit with film holders
- Power cord
- High-Speed USB 2.0 cable
- CD (includes scanner scanning driver)
- Manual
- Software security dongle

CAD/CAM SERVICES
CAD Perfect™ CAD Conversions

SCAN THE WORLD