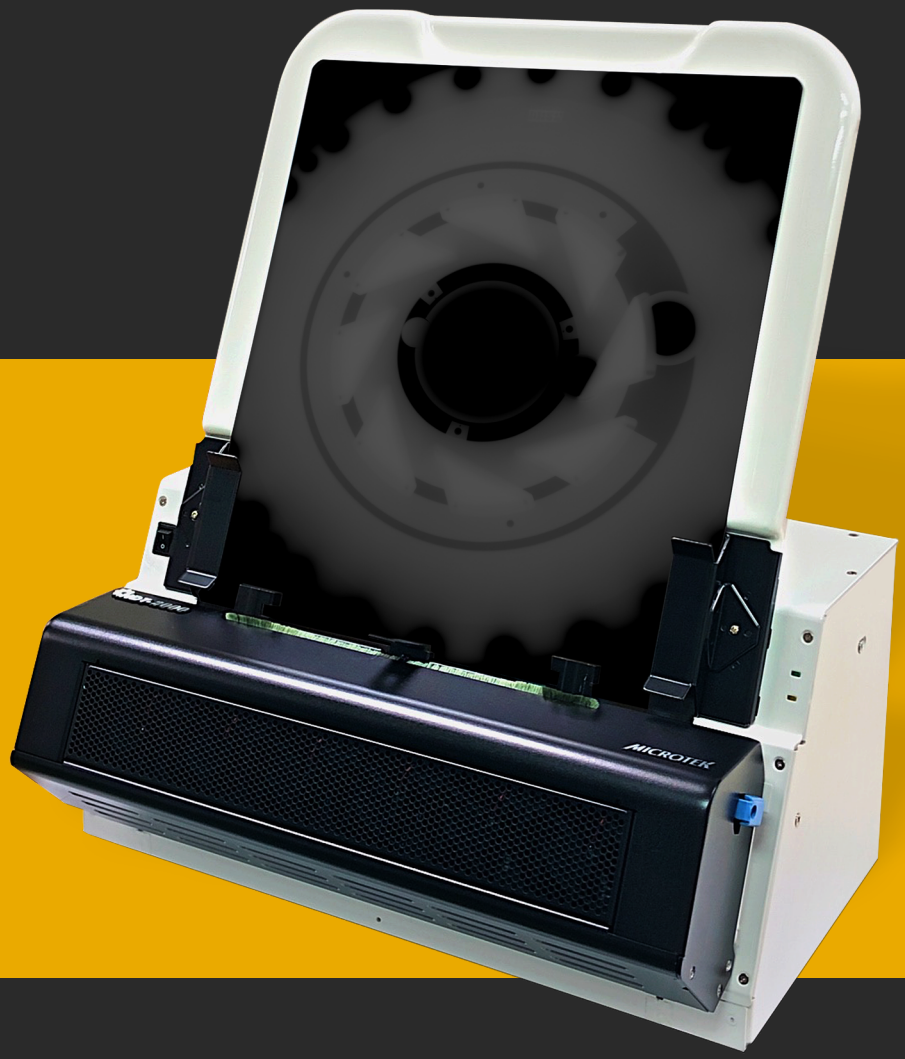
PACSESS

MICROTEK

NDT-2000 FILM DIGITIZER

The most cost-effective solution to digitize your NDT X-Ray films



- ISO 14096 (Class DB6) & ASME Section V Compliant
- Down to 21 µm pixel size (1200 dpi)
- High dynamic range (from 0.5 to 4.5 OD)
- 16 bits pixel depth
- Support all film sizes
- Robust and resistant: designed for industrial applications
- Evaluated by BAM Institute

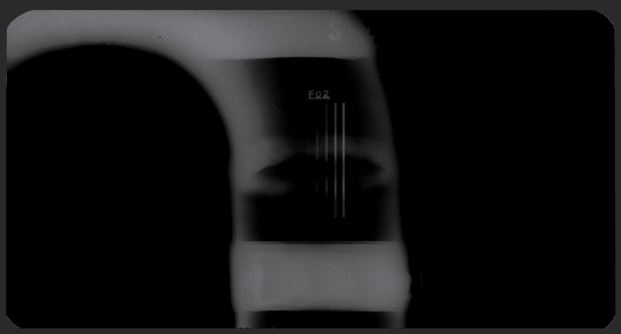
■ HIGHLIGHTS

PACSESS is introducing a cost-effective scanner to digitize/scan radiographic films with its NDT PRO Industrial Film Digitizer specifically designed to meet the most stringent demands of the Non-destructive Testing (NDT) market. It addresses the unique needs of aerospace, petrochemical, and other industrial testing applications as a lower-cost alternative to expensive laser scanners currently used throughout the industry.

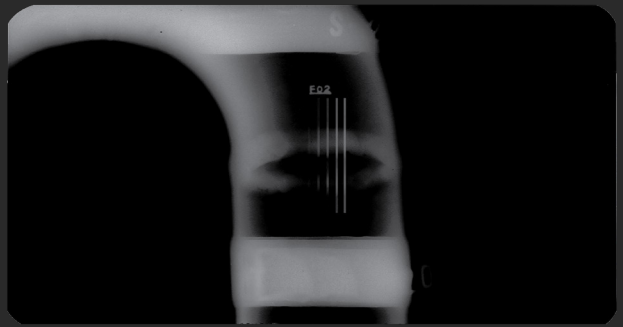
The NDT-2000 offers the NDT industry a product that not only carries a smaller price tag, but also is much lighter and has a smaller footprint than any other NDT film digitizer before. It can handle films as narrow as 2.5" wide and virtually any length is valid.

GRADATIONAL IMAGE LAYERS

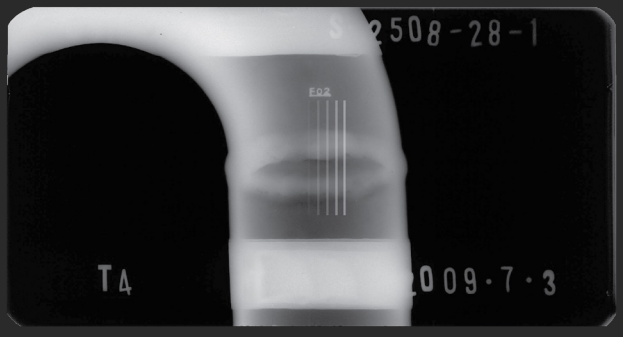
Adopted with specialized hardware technology, NDT-2000 Digitizing System can reduce noise ratio evidently and thus it can present image layers more vividly, presenting true face of industrial films and meeting with high requirements toward image quality of NDT/RT industry.



■ Original X-Ray film



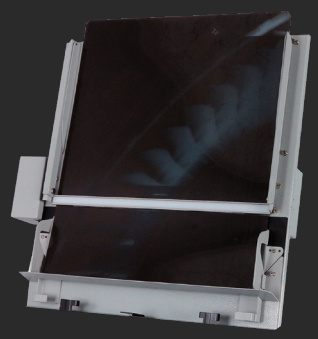
■ General scanned image



■ NDT-2000 digitized image

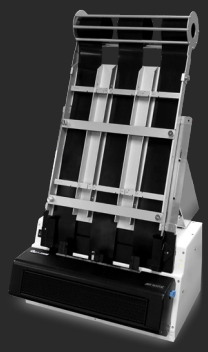
FILM FEEDERS

AUTO FILM FEEDER



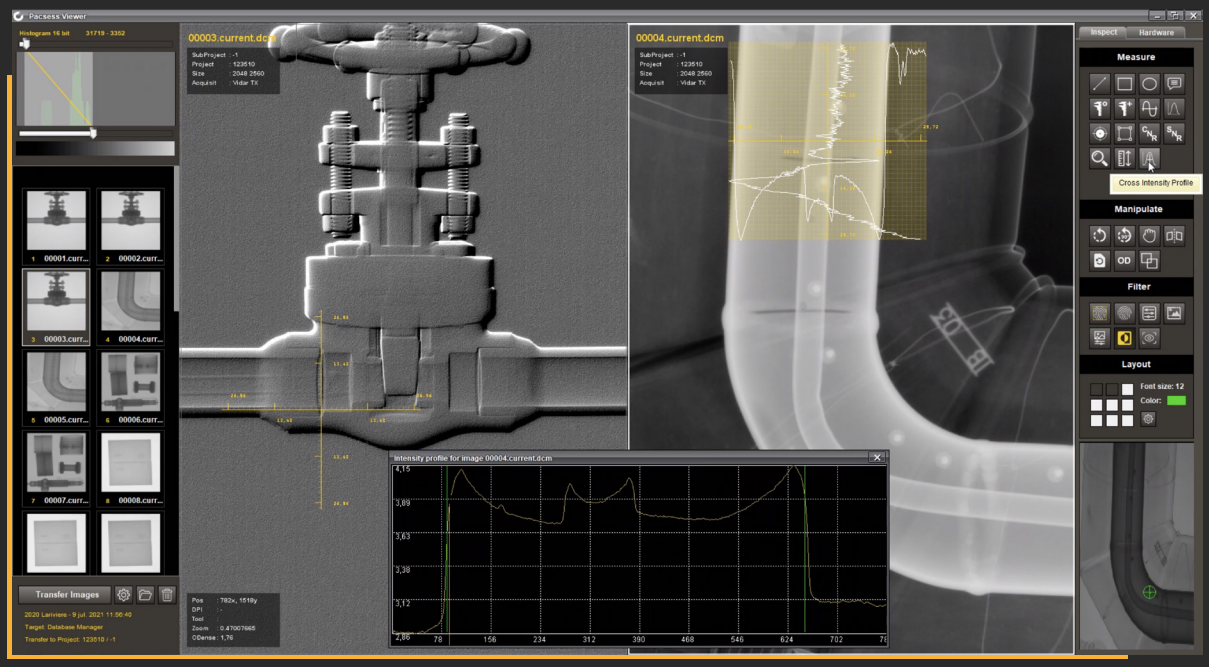
- Digitize up to 15 films of various sizes in batch mode
- Allows more productivity and greater efficiency

MULTI-STRIP FILM FEEDER



- Scans up to five film strips simultaneously per pass
- Multiplies scanner productivity up to five times
- Adjustable: our feeder can be easily fixed to any film width

PACSESS RT1 SOFTWARE



FEATURES

DATABASE MANAGER
100% DICONDE Compliant
Search function by key words
Import / Export (JPG, TIFF & DICONDE)
Report Management System integrated
Auto-feed tool from image measurements
Local server

ADVANCED IMAGE PROCESSING TOOLS
Intensity adjustment
Local histogram optimization
Contrast adjustment based on LUT
Inversion
Filters
· Reduction of noise / Sharpen
· Emboss
· Contrast enhancement

MEASUREMENTS AND ANNOTATIONS
Dynamic wall thickness intensity profiles
Detect & Measure Signal-to-Noise ratio
Statistic values & Histograms

SPATIAL TRANSFORMATIONS
Smart zooming (automatic/manual)
Loupe
Rotation / Flipping

PRESETS
Brightness / Contrast
Filter functions

ALL FUTURE UPDATES FREE OF CHARGE

TECHNICAL 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 gray
Resolution	1200 dpi (21 µm)scale
Dynamic Range	0.5D ~ 4.5D (Comply with ISO 14096 DS6)
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

APPLICATIONS

Our solutions are designed to provide you the best experience in all NDT fields.

SHIPYARDS

OIL & GAS

CASTING

AEROSPACE

CIVIL CONSTRUCTION

NUCLEAR

ART & CULTURAL HERITAGE

DEFENSE

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