NDT Inspection Services: Adding Value / Increasing Revenues

Affordable Guide To:

Digitizing Radiographic Film

▶▶ **VIDAR** systems corporation *A 3D Systems Company* — NDT *PRO* Industrial Film Digitizer

▶▶ AcuScreen NDT *PRO* Software

▶▶ Multi-Strip Film Feeder

NDT PRO Industrial Film Digitizer

VIDAR

NDT
Radiographic Film Digitizer Solution

Digitizing Radiographic Film

HOW Inspection Services add value and profits with RT film digitization:

1 ▸▸ Inspection Service exposes radiograph of weld per customer specifications

2 Radiographic film is exposed, developed, processed, interpreted, scanned / digitized, reports delivered to customer

3 WHY:

▸▸ Advantages of digitized radiographic film

RT **Digital Files –**
Saves film storage cost

RT **Immediate Viewing –**
local and remote

RT **Digital Measurement –**
data and image analysis

RT **Data Integrity –**
auditing, accountability

RT **Instant Viewing –**
multiple people

RT **Faster, Easier –**
evaluation, decisions

RT **Saved Time –**
no physical delivery

RT **NDT**
industry-specific AcuScreen S/W

RT **Digital Artifacts –**
no image quality loss

RT **Digital Archive –**
primary/disaster recovery

Complete *Affordable* RT Film Digitizing Solution

NDT *PRO* INDUSTRIAL FILM DIGITIZER

Designed for the robust NDT industry, delivering exceptional quality

Cost effective alternative for digitizing film

Lighter, smaller footprint, handles standard film formats: 2.36"–14" W x 8"– 300" L

High Definition CCD (HD-CCDTM) solid state, ADC (Automatic Digitizer Calibration) ensuring consistent image quality & excellent grayscale

Removable/field replaceable LED long-life light source

Meets ISO 14096 and ASME Section V standards, Class DA, DB & DS in slow mode. 0.5 to 4.5 OD.

MULTI-STRIP FILM FEEDER

Multi-Strip Film Feeder scans up to five (5) filmstrips simultaneously per pass

Multiplies productivity

Reduces transition times

Customizable slot widths

Multi-Strip Film Feeder

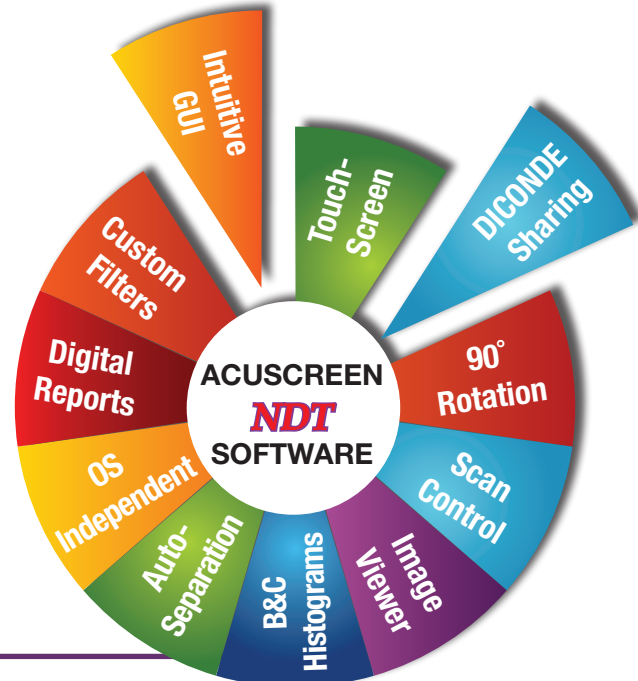## ACUSCREEN NDT *PRO* SOFTWARE

NDT-designed for radiographic film digitization

Ensures compatibility between Vidar NDT PRO Digitizer and Multi-Strip Film Feeder

Streamlined GUI, customizable toolbars

DICONDE standard image reports

Image Archiver tools:
Create, Add, Delete, Retrieve, Export, Send

ACUSCREEN NDT SOFTWARE

Intuitive GUI · Touch-Screen · DICONDE Sharing · 90° Rotation · Scan Control · Image Viewer · Histograms · B&C · Auto-Separation · OS Independent · Digital Reports · Custom Filters

VIDAR NDT PRO
INDUSTRIAL FILM DIGITIZER

Meets all standards for ISO 14096 Class DS and ASME Section V

Nominal Resolution	Pixels (14"x17" film)	Spot Size (um)	DPI	Line pairs Per mm	Digitizing Speed (standard scan mode)
2K x 2.5K	2100 x 2550	170	150	3	27.8 Seconds
4K x 5K	4200 x 5100	85	300	6	55.6Seconds
8K x 10K	7980 x 9690	44	570	11	105.6 Seconds

Up to 0.5 to 4.5 OD, based on ISO 14096 Class DS

Optical Density Range	0.5 to 4.0, standard scan mode, based on ISO 14096 0.5 to 4.5, DS scan mode.
Bit Depth	8, 12 & 16 bit grayscale output
MTBF	≥50,000 hours
Film Sizes	Width: 2.36" to 14" Length: 8" to 51" Specialty film sizes quoted are in single-sheet mode. Auto feed supports 8" x 10" up to 14" x 17" sizes
Auto Film Feeder	Standard 25-film capacity (mixed sized – no presorting necessary) "Light Box" loading: head-up, normal reading, left justified
Translation Tables	Linear OD
Geometric Accuracy	Better than 1% or 2 pixels, whichever is greater, in both axes
Scan Rate	92 lines/second
Hardware Interface	USB 2.0
Software	Windows® scanning modules and software development tools available
Power Requirements	Voltage: 85~264 Vac Frequency: 47~63 Hz Power: ≤100 Watts
Operating Environment	50º to 95º F (10º to 35º C), 20% to 85% relative humidity, non-condensing
Storage Environment	0º to 140º F (-18º to 60º C), 20% to 85% relative humidity, non-condensing
Illuminator	LED Illuminator
Detector	Solid-state, next-generation High Definition CCD (HD-CCD®)
Dimensions	With Feeder & Exit Tray: 19" W x 22 ¾" D x 32 ½ " H (48 cm x 58 cm x 83 cm) Without Feeder & Exit Tray: 19" W x 15" D x 12" H (48 cm x 38 cm x 32 cm) Shipping: 24" W x 29" L x 24" H (61 cm x 74 cm x 61 cm)
Weight	45 lbs. (21kg); shipping weight: 60 lbs. (27 kg)

Specifications are subject to change without notice

PACSESS
North America
NDT Film Digitizer Solution

R-CON NDT
"Providing for the NDT Industry"

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