

ACUSCREEN NDT

PRESENTATION PLAN

Introduction

- Features & Advantages

Functionality

- Image Archiver
- Image Viewer
- Scan Control Module
- Multi-Strip Processing

Procedures

- Working with Image Archiver
- Scanning Batches & Singles
- Using Multi-Strip Feeder

Software Extensions

- Optional Modules

System Configuration

Prices & Contacts

FEATURES & ADVANTAGES

❑ Key Features

- ❑ Image Archiver with DICOM-compliant image exchange
- ❑ Image Viewer with NDT-specific measurements
- ❑ Scan control module (VIDAR NDT PRO-compatible)
- ❑ Multi-film processing (to be used with Larivière's Multi-Strip Film Feeder)

❑ Advantages

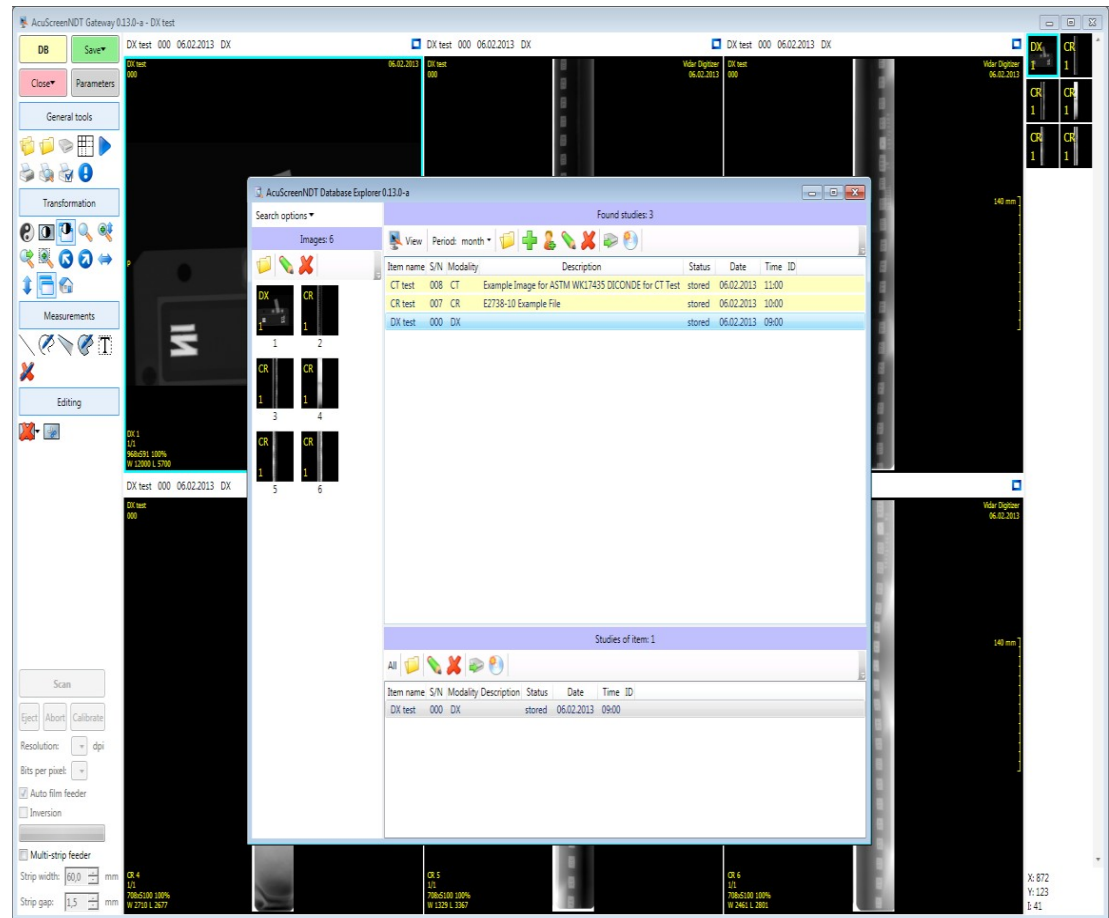
- ❑ Intuitive user-friendly GUI
- ❑ Touch-screen ready (no right-click functionality)
- ❑ OS-independent font and icon enlargement
- ❑ Screen layout awareness (landscape vs. portrait)
- ❑ Easy to localize

FUNCTIONALITY

IMAGE ARCHIVER

Study and Image Handling

- ❑ Add, create, edit, delete
- ❑ Load images from database
- ❑ Save images to database
- ❑ Export images
- ❑ Burn studies to disc
- ❑ Send images over DICONDE protocol



FUNCTIONALITY

IMAGE ARCHIVER

❑ Study Search Options

- ❑ Component name
- ❑ Component ID
- ❑ Year of manufacturing
- ❑ Description
- ❑ Status
- ❑ Period: day, week, month, year
- ❑ Study ID

Search options

Item name:

S/N:

Modality: any

Description:

Status: any

From: 13.01.2013

To: 12.02.2013

ID:

Search Clear

Images: 6

Item name	S/N	Modality	Description	Status	Date	Time	ID
CT test	008	CT	Example Image for ASTM WK17435 DICONDE for CT Test	stored	06.02.2013	11:00	
CR test	007	CR	E2738-10 Example File	stored	06.02.2013	10:00	
DX test	000	DX		stored	06.02.2013	09:00	

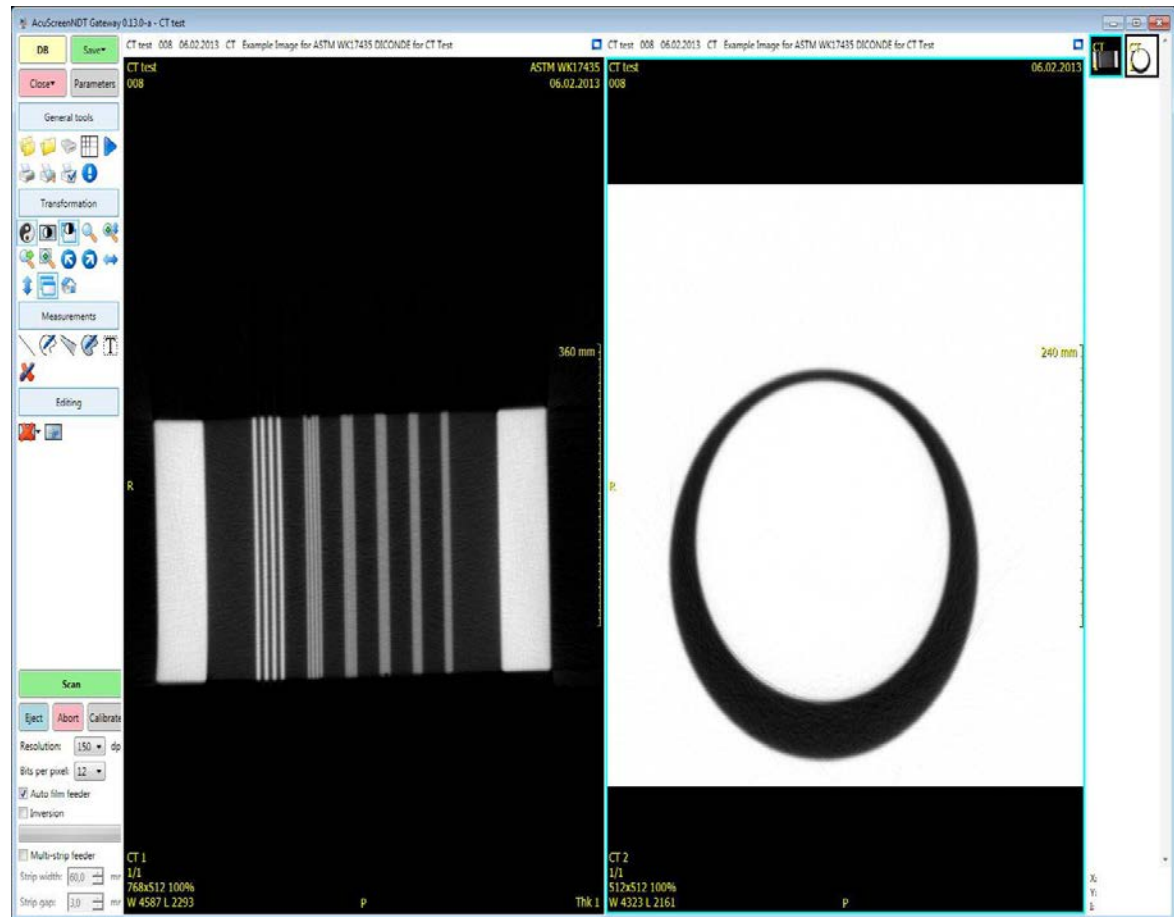
Studies of item: 1

Item name	S/N	Modality	Description	Status	Date	Time	ID
DX test	000	DX		stored	06.02.2013	09:00	

FUNCTIONALITY

IMAGE VIEWER

- Image Transformations
 - Grayscale
 - Brightness and contrast
 - Inversion
 - Automatic brightness/contrast adjustment
 - Spatial
 - Zooming
 - Rotating & Flipping
 - Apply to Series



FUNCTIONALITY

IMAGE VIEWER

Annotations

Measurements

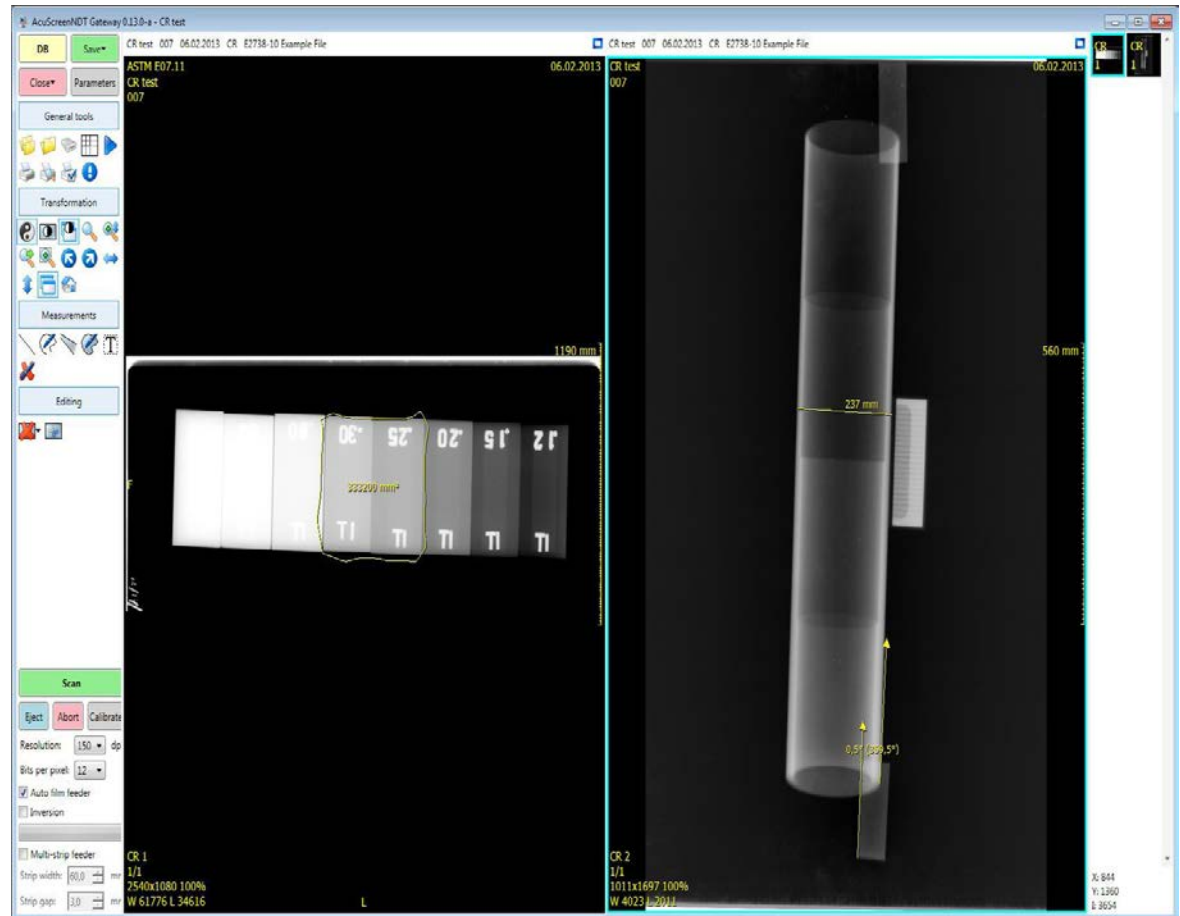
- Lengths & Distances
- Angles
- Areas

Text

- Markers (scalable)
- Info

Editing

- Move and reshape
- Delete
- Change color
- Change text



FUNCTIONALITY

SCAN CONTROL MODULE

Scanning Options

- Resolution in dpi
- 8/12/16 bits per pixel
- Single-sheet or multi-sheet feed (up to 25-film batches)
- Automatic inversion of images after scanning
- Automatic film-size detection



FUNCTIONALITY

MULTI-FILM PROCESSING

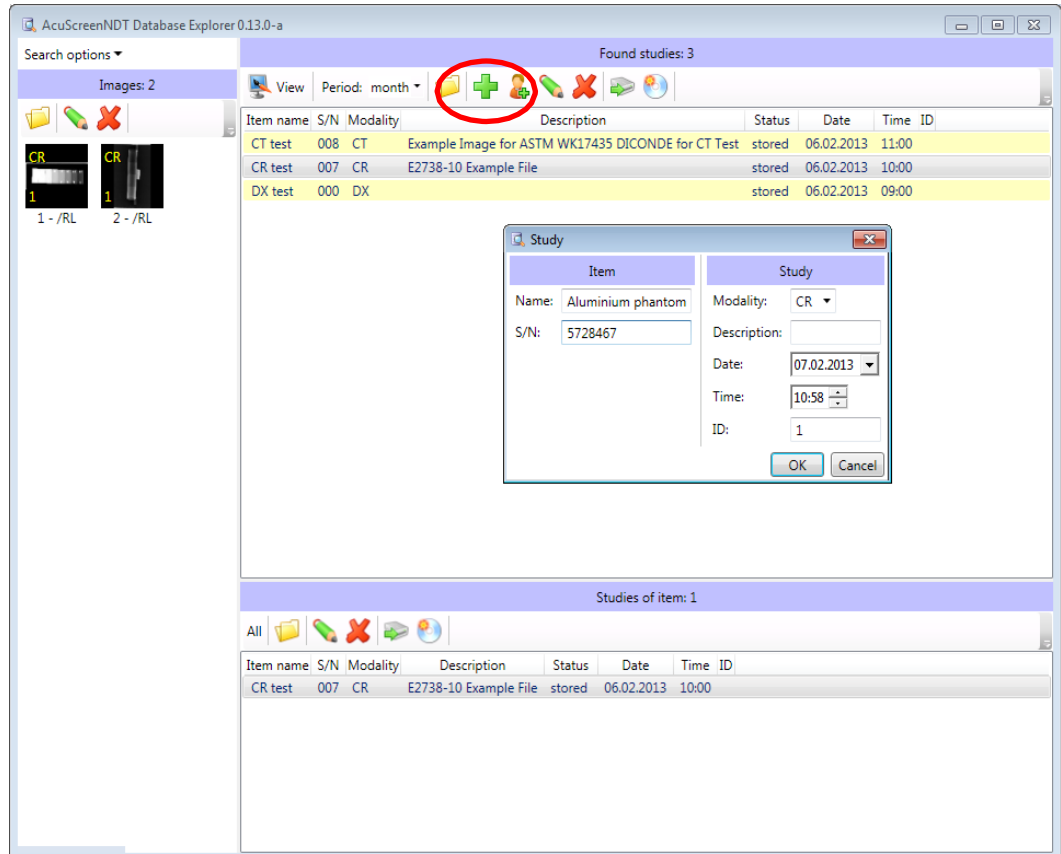
- ❑ A special software module developed for Larivière's Multi-Strip Film Feeder designed for VIDAR NDT PRO
- ❑ All simultaneously scanned films (strips) are treated as separate series
- ❑ 5-fold increase in scanning productivity with a standard multi-strip feeder (5 slots 6 cm wide)
- ❑ Adjustable to any slot configuration and layout (for custom-made feeders and other models of scanners)



PROCEDURES

WORKING WITH IMAGE ARCHIVER

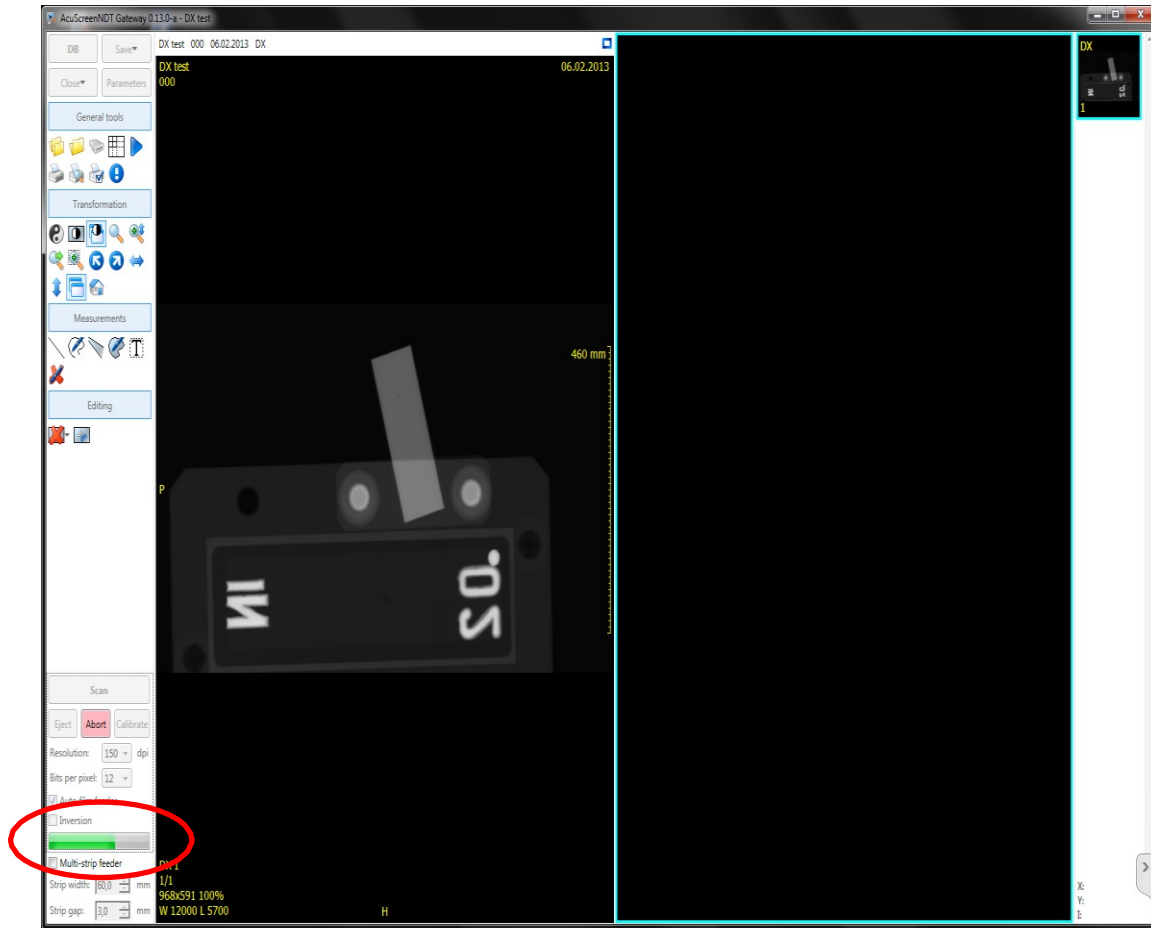
- Open the database
- Create a new study
- Enter:
 - Component name
 - Component ID (optional)
 - Year of manufacturing (optional)
 - Description (optional)
 - Date/Time (if differ from current date/time stamped by Archiver automatically)



PROCEDURES

SCANNING BATCHES & SINGLES

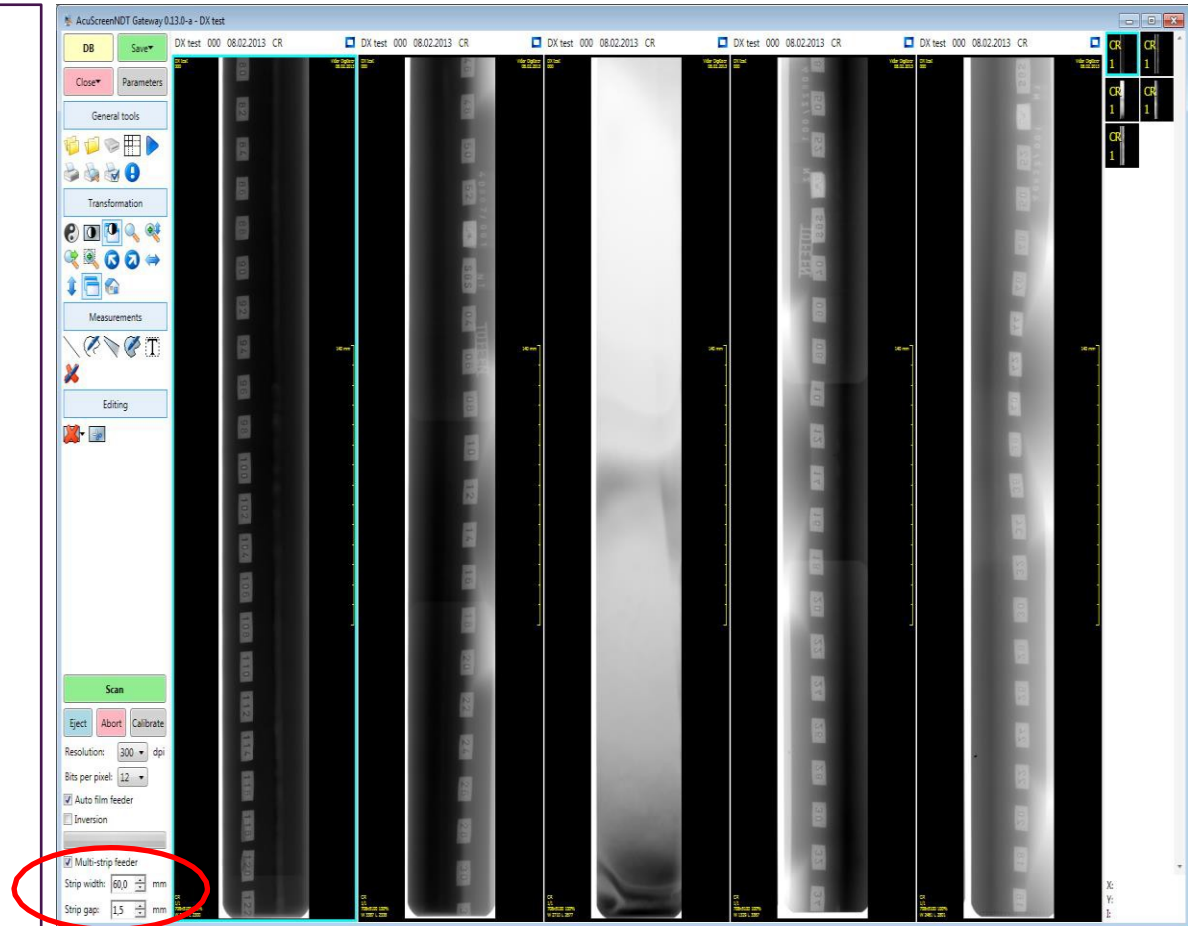
- Load scanner with film
- Set up scanning options
- Commence scanning (push Scan)
- Examine scans and improve 'below-par' images
 - Apply grayscale transformations
 - Apply spatial transformations
 - Apply cropping
- Re-scan if necessary
- Save images



PROCEDURES

USING MULTI-STRIP FEEDER

- Tick 'Multi-strip feeder' checkbox
- Specify slot width and gap between slots (mm)
- Start scanning (push Scan)
- Follow usual routines for post-processing and saving images



SOFTWARE EXTENSIONS

OPTIONAL MODULES

- Report forms and templates
- Language packs for localization
- Discontinuity percentage calculator
- DICONDE service
- Tailor-made features
- Branding info (logo, name, etc.) at customer's request
- Cardinal changes to GUI for most important OEMs

SYSTEM CONFIGURATION

PLATFORM SPECS

- Windows XP/Vista/7
- Windows 32bit and 64bit
- .NET Framework 3.5 (preinstalled on Windows 7)
- SQL Server Express 2005, 2008 and 2012

PRICES

SOFTWARE PACKAGES

Standard AcuScreenNDT Software Package

- Image Viewer
- Image Archiver
- Scan Control Module
- Multi-Strip Feeder Module

Shipped Packages

- 30-day AcuScreenNDT Demo — **FREE**
 - Standard AcuScreenNDT (protected with a USB dongle key)
 - Standard AcuScreenNDT w/ NDT PRO Multi-Strip Film Feeder
- Volume-based discounts apply
- Contact our rep for quotes on optional modules

AcuScreenPRO NDT GO-TO PERSON

If you have any question about this product and/or could not find a rep near you, please contact:

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