

INDUSTREX Digital Viewing Software Version 4.2

Carestream's Non-Destructive Testing Group provides innovative imaging technology to the NDT industry. Radiography is our specialty – and we're good at it. Carestream INDUSTREX software has been specifically designed from the ground up for NDT radiography to provide you with the best image possible – period.

SEE THE DIFFERENCE INDUSTREX SOFTWARE CAN MAKE IN YOUR WORLD.



- **WINDOWS® 7 COMPATIBLE**
- DICONDE COMPLIANT
- FAST AND ACCURATE IMAGE ACQUISITION
- SIMPLE, EFFECTIVE ANALYSIS TOOLS
- FLEXIBLE DATA MANAGEMENT SYSTEM
- SIMPLE INTERFACE
- REMOTELY ACCESSIBLE
- SECURE DATA STORAGE AND RETRIEVAL

BETTER SYSTEMS FOR A BETTER BUSINESS

- Fast, simple image acquisition lets technicians analyze more images with a higher degree of accuracy than ever before for improved productivity
- Remote image sharing allows work to continue across time zones or to be sent to off-site experts for simultaneous evaluation
- DICONDE compliant, designed specifically to comply with universal guidelines for image storage, retrieval and transmission
- Feature-rich software delivers more functionality than ever before
- Modular architecture allows users to cost effectively customize their system to the kind of work they do

SOFTWARE AND IMAGING PLATES DESIGNED FOR NDT

- Allows users to add annotations such as details on the specific technique used, the inspectors name, time and date of the shot saved with the original image for future reference
- Plate sizes from 1 to 14 inches wide and 7 to 60 inches long (96 inches for HPX-PRO), the longest plates available on the market today
- Select from user-defined custom plate sizes or a large menu of common plate sizes including 8 x 10 inch, 14 x 17 inch, 5 x 7 inch and a variety of metric sizes including many 70mm widths
- Scan multiple plates of the same length simultaneously into one easy-to-manage image for improved productivity

EASY VIEWING AND MANAGEMENT TOOLS

- A variety of image filters, including the *EDGE* display filter, allows images to be enhanced digitally to aid with interpretation
- Split-screen capability to compare multiple images easily
- Simple measurement tool for overall dimensions, defect size, wall thickness, etc.
- Batch file export function
- Thumbnail image retrieval system for quick selection
- Zoom, magnify, rotate and pan functions for maximum viewing flexibility
- Auto file save option allows users to automatically scan and store images quickly, local metadata store allows for keyword searching
- Adjustable laser power (HPX-1) and PMT gain through the software, for optimizing image capture resolution and signal to noise
- Ability to create and lock annotations for security

POWERFUL IMAGE ENHANCEMENT AND VIEWING

- Wall Thickness Measurement Tool calculates and displays:
 - Single wall thickness
 - Double wall thickness
 - Minimum and maximum thicknesses in a defined ROI
- 10 Preset *EDGE* Display Filters based on settings found to be most useful in practice enables the user to view an image with increased detail and clarity.
- Create your own custom *EDGE* Filter for your most common image adjustment parameters
- Measurement Reticle provides measurements of radial distance from a central point, with user-selectable reticles

RELIABLE IMAGE ACQUISITION

- Acquire from the INDUSTREX HPX-1 and HPX-PRO CR Reader
- Acquire from Perkin Elmer XRD DR Panel
- Acquire via an Array™ 2905/2905HD Digitizer
- Acquire images from other DICONDE file source

FLEXIBLE DATA MANAGEMENT

- Automatic file control tracks who used the file last and any changes made to the original
- Software can be easily connected to a users existing network
- Remote access via customers' network allows files to be shared worldwide
- CD creation through IDX: built-in capability to save files to CD or DVD

ENHANCE YOUR SOFTWARE

Take the core v4.2 software to the next level with these separately available plug-in modules:

Custom Reports

At the end of a day on-site, creating the report can add hours into the schedule. Carestream's Reporting Module can be added to your INDUSTREX software so the final report is only a few mouse clicks away.

Adding Custom Reports also provides the benefit of the Job Setup function to easily get ready for the day. Create a simple template defining the customer, job specifics, shot details and any other inputs you want to see on the final report in minutes. Create a custom report template including the information on your current report that can be saved and shared between systems. The software will automatically build your report including all the shots you indicate and have it ready to print, save to CD/file or e-mail in seconds. Speed, accuracy and consistency.

Archiving

The images you make are critical, and they need to be stored and protected with more than a single back-up drive sitting on a desk. Carestream's archive is a full-blown system including 6 internal drives to back-up your most important information. We can supply just the software or software and hardware and even a redundant back-up system installed at a separate location. DICOM/DICONDE compliant, we can also store information from other compatible devices on the same system. Protect your work, reduce risk and eliminate lost data.

SOFTWARE V4.2 AT-A-GLANCE

- Windows® 7 Platform
- *EDGE* Filter: Proprietary Image Enhancing Filter
- Wall Thickness Tool
- Multiple User Account Password Control
- Advanced User Display Preference Settings
- Display DDL on Plots
- Log and Linear Data Support
- Sticky Tools
- Measurement Reticle
- Window and Level Adjustment with Indicator
- Contrast Normalization
- Navigation Thumbnail
- True Size Image Display
- 1:1 Printing
- Single or Batch Erase
- PDF/A-1b Print Capable
- Software controls multiple devices from a single point
- Modular architecture allow users to cost effectively tailor their system to common tasks
- Locking of annotations for security
- Automatic measurement tool calibration based on pixel pitch or projection geometry
- User-friendly measurement tools for CNR, SNR_n , SR_b and iSR_b

IMPROVEMENTS IN V4.2 SP 1

- Tool bar configuration can be copied across systems
- Smart-Erase improvements
- Batch image and metadata editing improved throughput allowing for easy changes
- Lite software will install and run on Windows 8 Professional
- As viewed 8-bit images are full size as viewed (not negative)

IMAGING SYSTEMS THAT EVOLVE WITH YOUR CHANGING NEEDS

Your business needs tomorrow will be different than today. Carestream INDUSTREX software undergoes continuous improvement based on user feedback and evolving industry standards so you can be sure that today, tomorrow and well into the future your business will always have the latest technology and support the industry has to offer. **And, it will be software designed and built specifically for the rigors of NDT.**

Our focus is on performance. All our radiographic products represent a complete end-to-end solution for most any non-destructive testing applications. We understand the industry needs for higher productivity and streamlined processes when evaluating critical test images. Put our performance-driven digital computed radiography solutions to work for you, any time, any place.