

THE PERFECT SOLUTION

D-TECT

X-RAY INSPECTION SOFTWARE



**DICONDE
COMPLIANT**

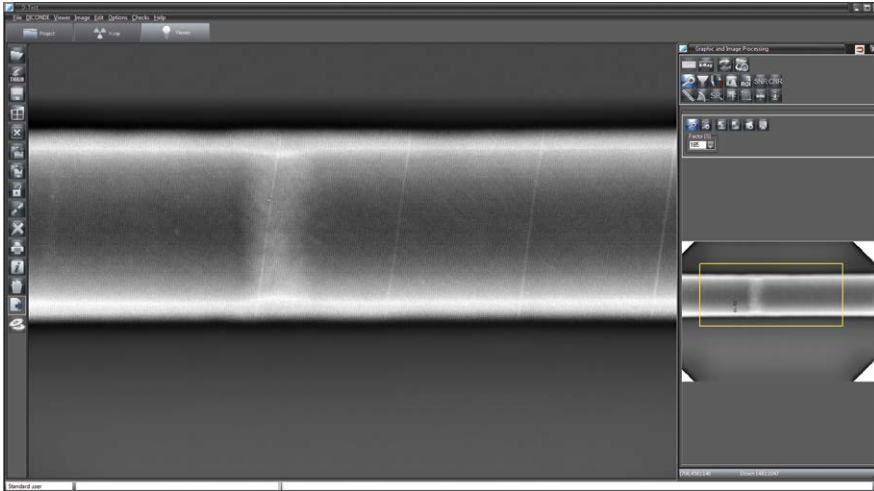
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X-RAY INSPECTION MADE EASY

IDENTIFY RISKS QUICKLY WITH DÜRR NDT D-TECT

D-Tect allows you to achieve an optimal and time-saving inspection workflow. All the functions necessary for image evaluation are included: from image capture, analysis and report generation to data import/export and database management.



Since its introduction in 2006, D-Tect has been constantly developed and improved. Closely working with customers and incorporating their feedback has made D-Tect into an easy-to-use and efficient X-ray inspection software.

Despite its comprehensive set of features, D-Tect is fast, intuitive and easy-to-learn. Support for the DICOM standard ensures that images can be viewed and processed by any other DICOM-compatible system. The D-Tect Enterprise integration solution also provides the possibility to interface with nearly any third-party software or system.

Key functions

- DICOM interface
- Automatic network database synchronization after field work
- Extensive export functions
- Simultaneous reference image adjustment
- Automatic DICOM import
- Automatic filter settings for defined applications
- Multi-image integration for DDAs

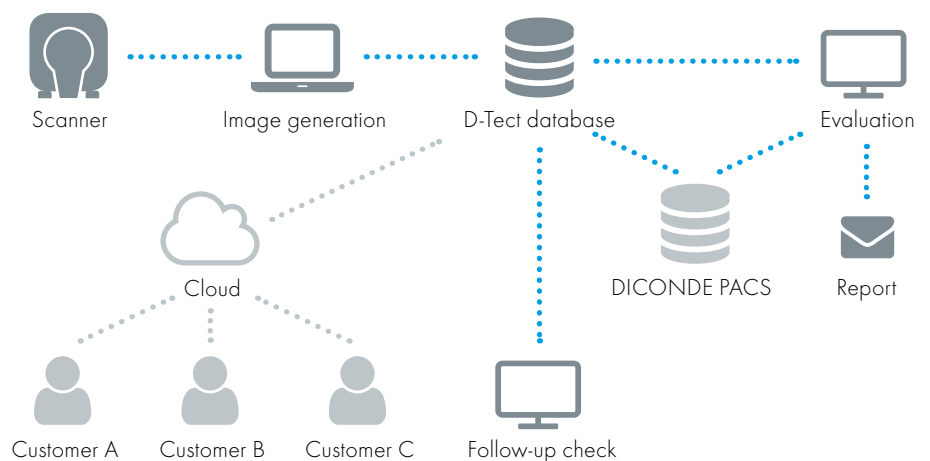
Other features

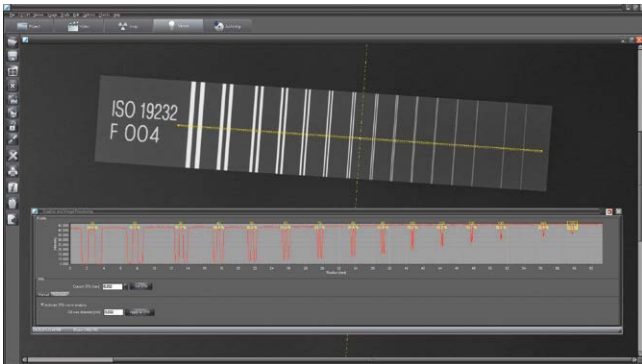
- Region of interest (ROI) histogram
- SNR and CNR calculation
- SR_b determination
- Wall thickness measurement
- Image filters to assist with evaluation
- Radiographed material thickness
- Angle and length measurement
- Text and graphic elements
- Image comments/annotations
- Extensive cropping functionality
- Line profile display
- Report generation

Network integration

In addition to normal single-workstation use, the software can be effortlessly integrated into a network if a collaborative workflow is required. It is also possible to interface with external cloud solutions.

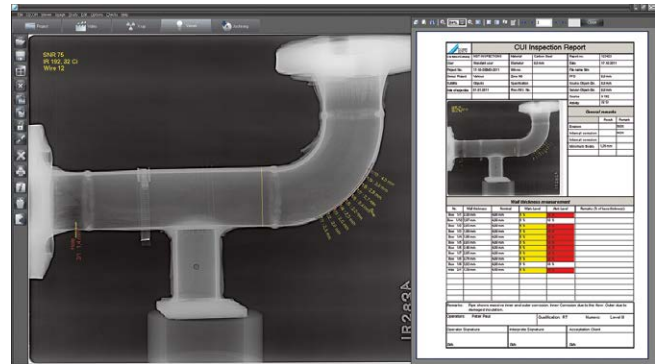
Example





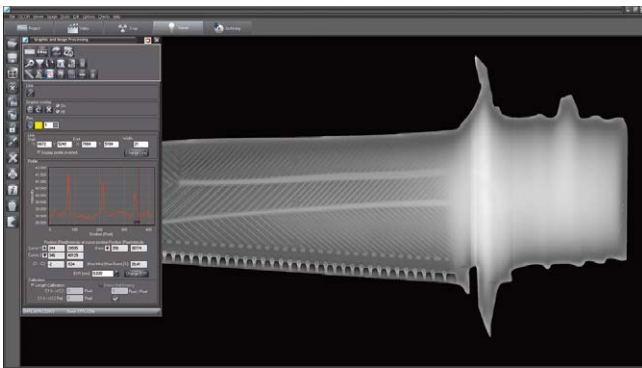
Basic spatial resolution (SR_b)

After loading an image, the SR_b is automatically determined according to ISO 17636-2 and ASTM E 2446-2016 by drawing a line over a duplex wire (IQI).



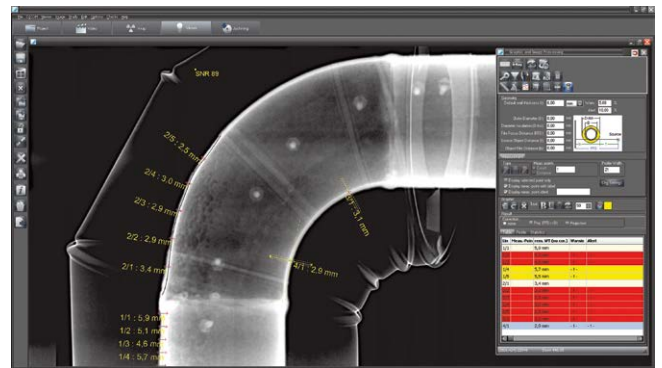
Report function

In a few easy steps, a comprehensive report can be generated from the project data. Custom templates can also be created.



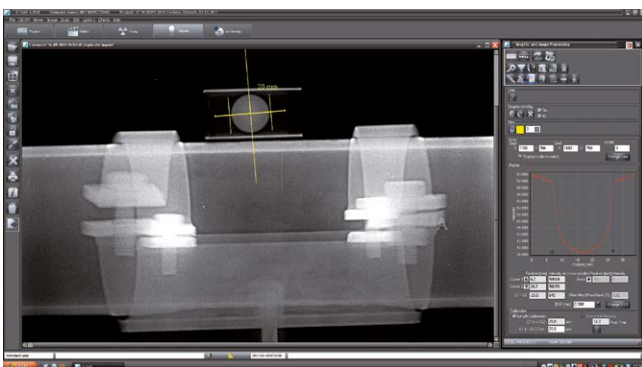
Simple and reliable evaluation

Consistent quality and detection of the finest details are essential for NDT - specially designed filters and functions make simple and effective evaluation possible. With only three clicks it is possible to save optimum evaluation settings for use with subsequent images.



Wall thickness measurement

This optional tool measures the thickness at one or more points along the straight or curved walls of a pipe. Limits can be defined so that warnings are shown when the wall thickness becomes critically thin. All the latest standards requirements are also taken into account.



Easy calibration

Using a ball or another object of known-size, image calibration can be performed accurately and quickly. All further measurements in the image are then based on this calibration.

Software modules

Modular design allows you to save costs by purchasing only the modules you need.

<i>D-Tect Basic</i>		
<i>DÜRR NDT CR-Scanner</i> Image acquisition and storage	<i>DICONDE Send</i> Export of images to a DICONDE picture archiving and communication system (PACS)	<i>Measurement Tool</i> Special measurement tools for corrosion (wall thickness) and a standard report
<i>DÜRR NDT Flat Panel</i> Image acquisition and storage	<i>DICONDE Project CD</i> Intelligent CD/DVD writing software for easy DICONDE project export	<i>Penetrated Thickness Tool</i> Special tool for measuring the penetrated material thickness
<i>DÜRR NDT CMOS Detector</i> Image acquisition and storage		

Device configurability

A wide range of settings can be adjusted with D-Tect, such as laser power, PMT voltage, pixel size for CR scanners and integration times, binning and sensitivity for DDAs. This allows optimized configurations to match specific applications.

Extensive language support

Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Swedish, Spanish.

Hardware flexibility

DÜRR NDT offers specially selected hardware such as notebooks, workstations and monitors. Of course, any other hardware that meets the requirements can be used. Visit www.duerr-ndt.com to get the current system requirements.

