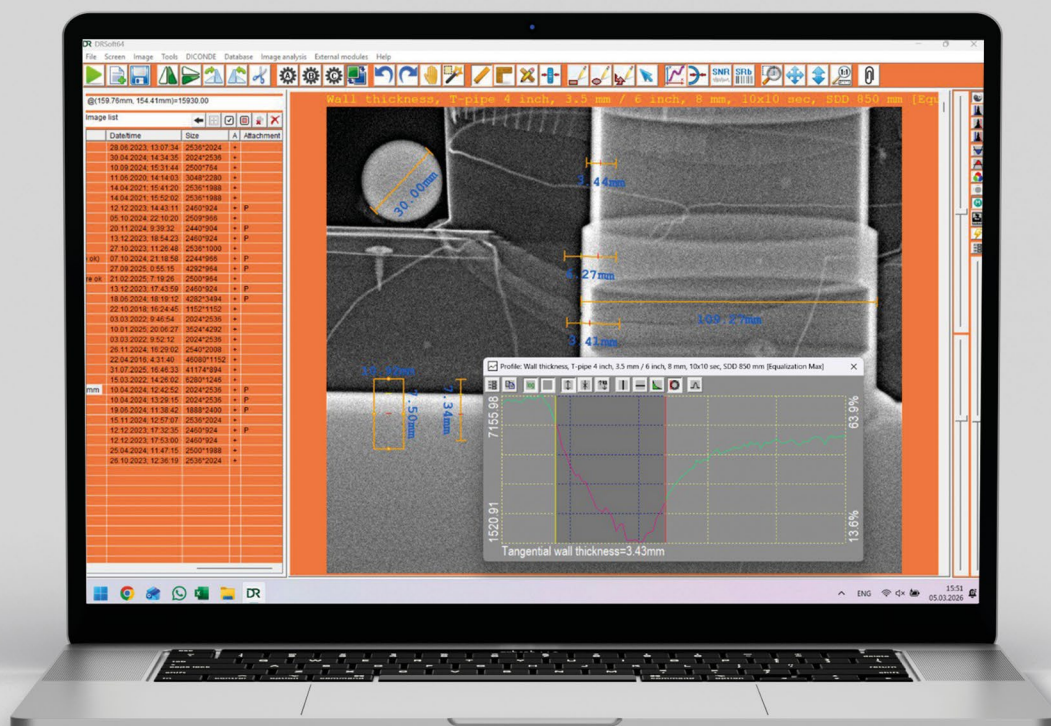




DR-SOFT

Digital radiography software



DR-SOFT is a powerful and user-friendly software designed for acquisition, processing and analysis of digital radiographic images from various devices.

It enables real-time image capturing, exposure control and immediate evaluation, combining all inspection stages in a single, intuitive environment. The software provides advanced tools for radiograph viewing enhancement, defect evaluation and precise measurements, while ensuring secure data storage in full compliance with the DICOM standard ASTM E2339-21.

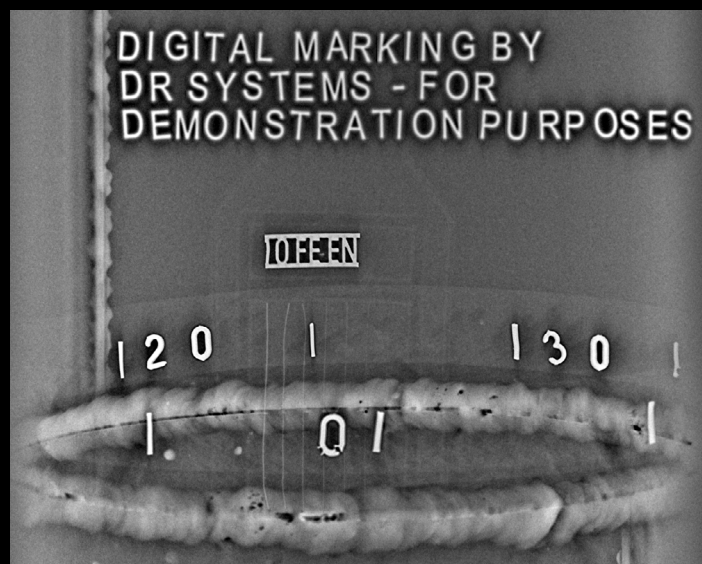
Key capabilities include:

- Image acquisition and evaluation in a single convenient interface.
- Advanced image processing with flexible parameter adjustment.
- Built-in filters for fast and reliable defect detection.
- Automatic estimation of the remaining wall thickness (tangential profilometry).

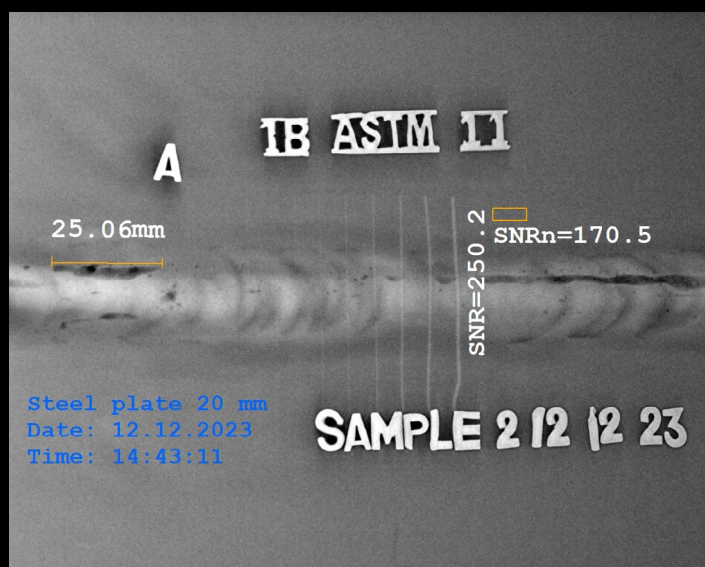
Digital marking – a unique feature of our software

Digital marking allows adding text and numerical data directly during exposure, embedding these details permanently into the image. As a result, project information, such as name, code, joint number, object description, etc., will become a part of the radiograph, visually replicating traditional lead markers, including realistic grey level behavior.

This approach eliminates manual preparation before exposure, reduces the risk of human error and ensures consistent identification across all images. For large inspection volumes, data can be imported from XLS files, enabling fast and standardized workflows.



Useful tools



DR-SOFT provides a complete environment for image processing, measurement and data management, allowing operators to perform all key inspection tasks easily:

- Geometric image transformation: scaling, rotation, mirroring and fragment cutting.
- Measurement of dimensions, distances and defect areas.
- Adding the editable markers (text, signs, etc.).
- SNR / SNR_n evaluation and SR_b determination (ISO 17636-2).
- Stitching of multiple images and split-screen viewing.

Data management

Images are stored with structured metadata, including object parameters, exposure settings, date, time, GPS coordinates, etc., ensuring full traceability and fast retrieval.

The format is protected from editing and supports up to 100 images per file in 16-bit depth (65,536 greyscale), preserving detail and ensuring data integrity.

DR-SOFT provides export to BMP, JPEG and TIFF formats for reporting purposes. Images can be viewed on any computer using a free DR-SOFT viewer and printed in 1:1 scale for repair marking.



DIGITAL RADIOGRAPHY SYSTEMS, SOFTWARE AND AI INSPECTION SOLUTIONS

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