

ADVANTAGES:

Imaging plates and X-scanner in combination with high end image processing integrated within an extensive evaluation and documentation software guarantee to you:

Mobile & stationary digital Radiography:

- high image quality
- low needed space
- low system weight
- transport protection

Fast and reliable inspection and evaluation:

- immediate image evaluation after reading
- safe evaluation by image processing
- immediate comparison with previous digital radiographs
- file archiving by all available media

Environment and health:

- no need for chemicals
- significantly reduced radiation doses by short exposure times

High economical efficiency:

- no expenses for film material and film processing
- shut down times of production can be reduced
- no expenses for image copies
- longer utilisation period of gamma sources
- print out of automatically generated reports
- access optimised archiving
- flexible financing

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I am interested in RADIS-400 system:

- I would like an individual consultants about introduction of digital industrial radiology.
- Please send me further information.
- Please arrange a date with me.

Company:

Name:

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Town:

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Contact:

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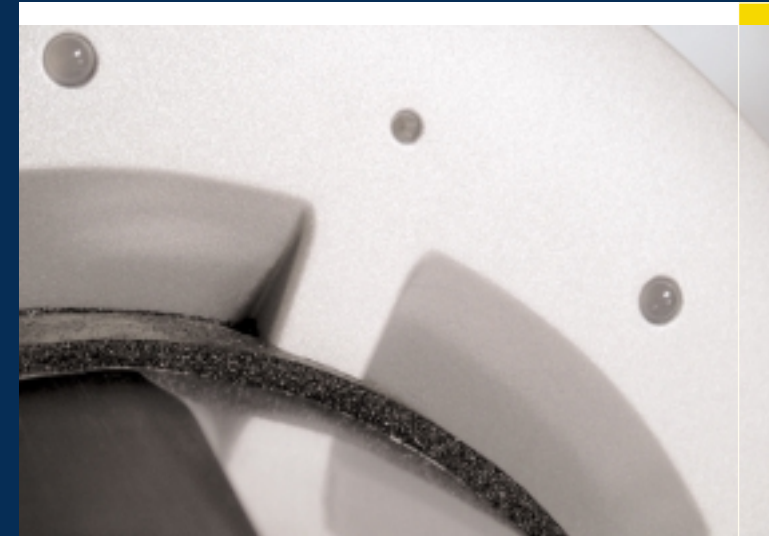
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RADIS-400

The technology jump in digital industrial radiology

**The digital & mobile start system
for Non Destructive Testing (NDT)**

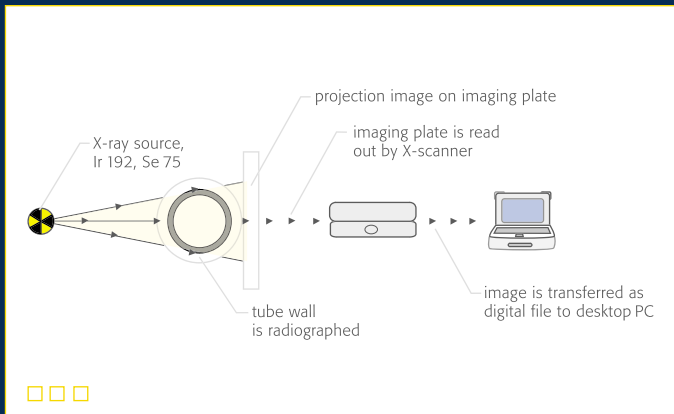
e.g. for:
projection radiographs,
wall thickness estimation,
pores and shrinkage
in:
piping systems, castings
and in building techniques



**Digital industrial radiology using
imaging plates and X-scanner**



FUNCTIONAL PRINCIPLE:



The digital solution:

RADIS-400 system consists of three main components, an X-scanner together with imaging plates to generate digital radiographs, a desktop PC and special software programmes. The software programmes control the X-scanner and contain all necessary functions to acquire, display, evaluate, process and archive digital radiographic images.

The solution to start with:

With manual actions similar to film radiography the **RADIS-400** system offers the very simple transition to digital industrial radiology.

The film is replaced by the imaging plate, the developing machine by the X-scanner and the film viewer by the desktop PC.

The radiographic image is generated at the site on the imaging plates requiring much shorter exposure times.

The mentioned advantages show impressively the gain in efficiency using **RADIS-400** system.

COMPONENTS:

X-scanner:



Dimensions: 480x380x380 mm

Weight: ca. 16 kg

Pixel size: selectable pixel size from 135µm down to 12,5µm

Formats: see imaging plates

Pixel resolution: 16 Bit

Energy: X-ray, Se 75, Ir 192

Scanning time: appr. 50 sec at 100µm & 18x24 cm plate size

Power consumption: < 70 Watt

Imaging plates:

Formats: e.g. 15x30 / 18x24 / 24x30 / 30x40 cm

Desktop PC:



Operating system: Windows 2000 / XP

Processor: Intel Pentium IV > 2,8 GHz

RAM: 512 MB oder 1 GB

Harddisc: 160 GB

Hardware: DVD burner

Monitor: 17" Display (resolution 1024x768)

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Scan, evaluation & documentation software:



Fig. above: Welding with EN wire IQI

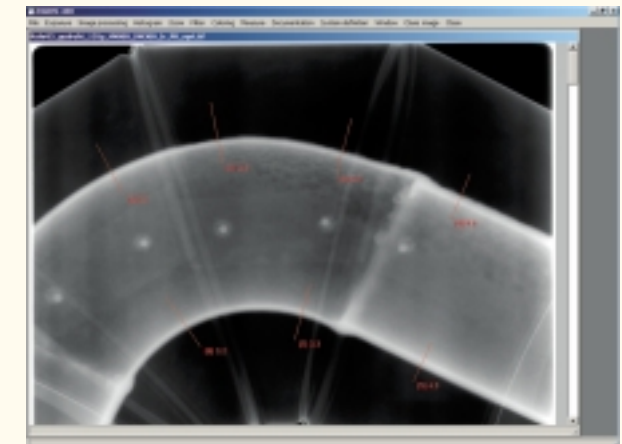


Fig. above: Projection radiograph from insulated pipe

The X-scanner software is responsible for the generation of the digital image. The evaluation software cares for optimised display of the images and supports the measurements.

The documentation software allows the printout of an inspection report immediately after evaluation of the images on the PC. The report form may be adapted according to the requirements of the user itself.