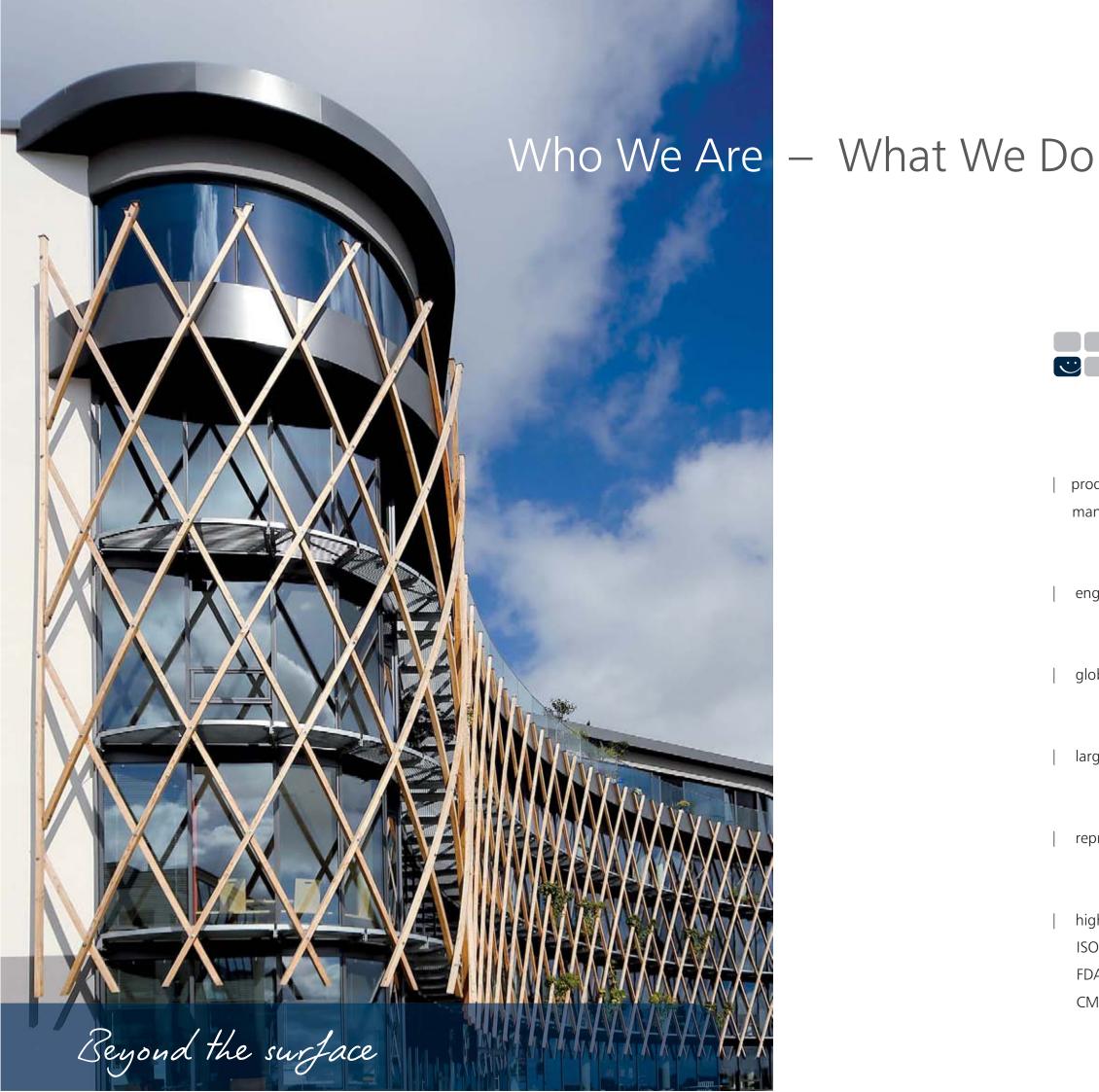


strong Workmate for Non Destructive Testing (RT)





- producing digital X-ray technology and developing image management systems for radiographic inspections (RT)
- engineering in-house customised software solutions
- global sales and service network
- large product and accessories portfolio
- represented on all continents and in over 60 countries
- high quality standards: ISO 13485 : 2003

FDA 510(k)

CMDCAS

Advanced

Radiographic testing

The NDT industry utilises many test methods. **Radiographic Testing (RT)** is, in addition to ultrasonic examinations, one of the most common techniques. It is used to detect internal voids, flaws or cracks in different materials. Traditionally, the recording medium is X-ray film.

Advanced RT includes Computed Radiography (CR) and Direct Radiography (DR) as digital imaging systems, which represent the latest technology standard. While CR systems use an imaging plate in a cassette as capturing device, Direct Radiography (DR) systems often use Flat Panel Detectors (FPD) that show the X-ray image immediately on a monitor — by a simple click on a button. The digital panels require less time and radiation than traditional X-ray films.

OR Technology was a pioneer when bringing forward the advanced RT method in the 90ies by developing the medical solution *dicomPACS**. Our portable digital systems generate images in the highest quality for detecting minimal deviations for your inspection requirements.



Applications RT

Industries, applications, materials



Oil, gas, petrochemicals and water



Automotive, marine and aviation



Structural statics



Energy and power



Components testing



Jewelry industry



Arts, archeology and geology



Insurance investigation



Custom manufacturers

Oil, Gas, Petrochemicals and Water





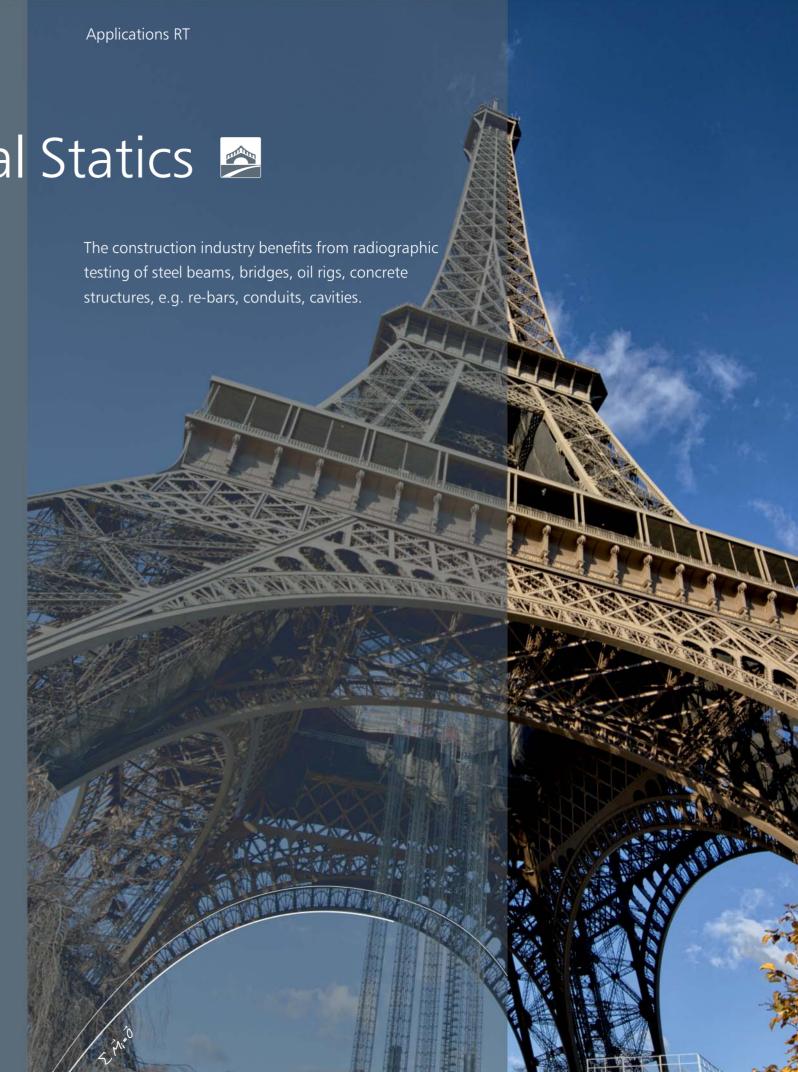


RT is a fundamental NDT method for pipe testing, with a view to the properties of pipe material (corrosion under insulation, erosion) or the quality of welded steel joints which should resist extreme pressures and temperatures.





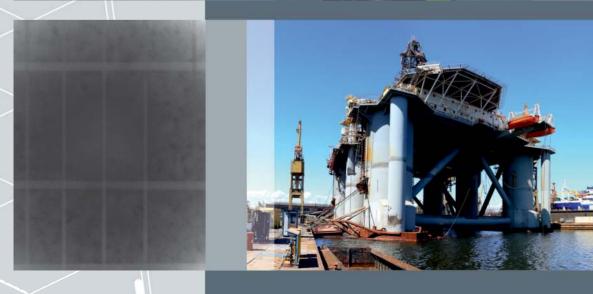












6 FE EN

Energy and Power











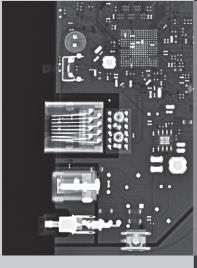


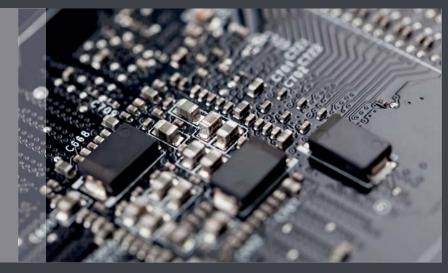
Components Testing •••

Radiographic testing is suitable for efficient quality and service control of mechanical and electronic components made from different materials like aluminum castings (e.g. cracks, pores, segregations), forgings, springs, PCB, switches etc.

Jewelry Industry

Non-destructive analysis of gemological material (e.g. quality and origin of pearls) is made possible by radiographic testing.





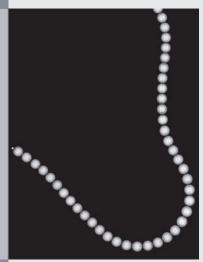




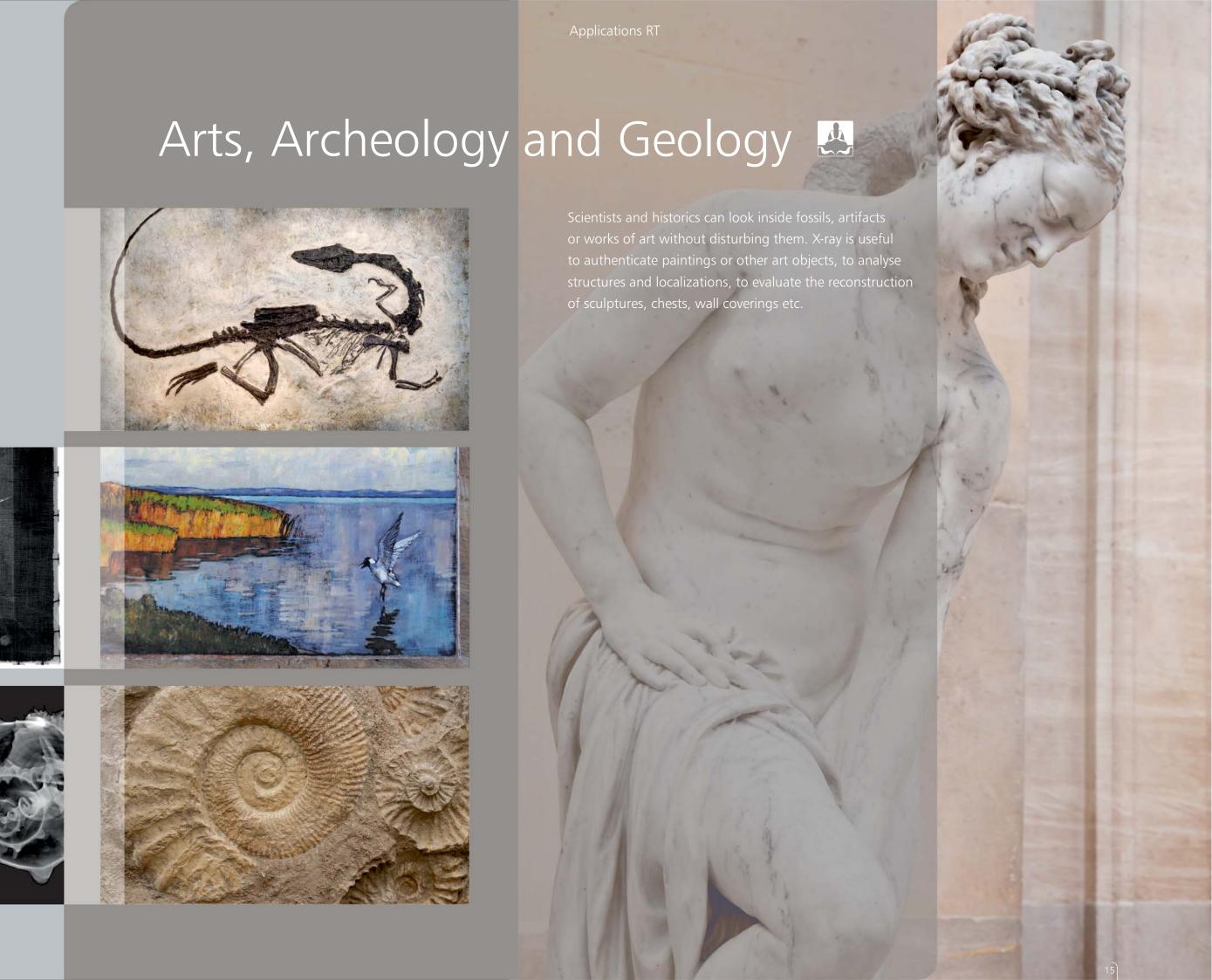






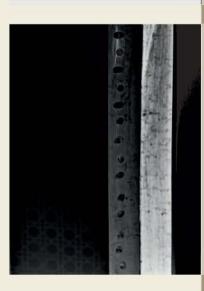


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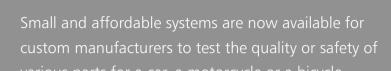
Investigation 🚇







Manufacturers 6











Software

engineered by OR Technology



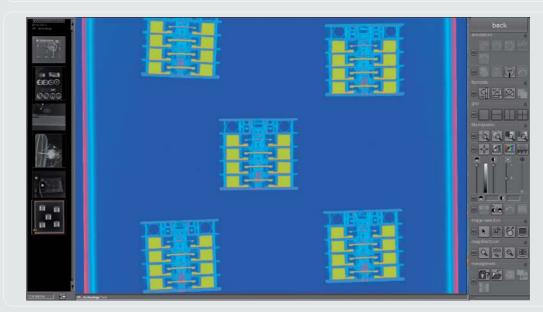
Specifications of **OR**inspect®

- completely integrated viewer for image analysis (processing, manipulation, storage, export etc.)
- **measurement** of distances/thickness, angles, areas and densities
- image annotations (arrows, ellipses, free text etc.)
- **stepless zoom**, PAN, magnifier, ROI, rotation, mirror, crop etc.
- adjustment of window/level options and gamma correction, sharpening filters, high pass filter, noise suppression
- advanced inverse (black/white), colour LUT
- multi exposure (SNR improvement)
- image comparison (optional)
- automatic or manual stitching
- printing of images both on Windows printers and laser imagers via DICOM Basic Print
- export of images to JPEG, TIFF, BMP and DICOM/DICONDE formats
- worldwide image distribution via Web Server (optional)









RT Components and Accessories

Whether you are working hard outdoors or tucked away cosily in a lab – OR Technology's portable DR solutions are tailored individually.

Various industrial sources

e.g. voltage, weight, continuous/pulsed, battery operation



Different flat panel detectors

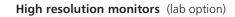
e.g. size, wired or wireless



Multiple variety of cases

e.g. material, size, design







Configurable laptops

e.g. ruggedised, sunlight readable display



RT Accessories

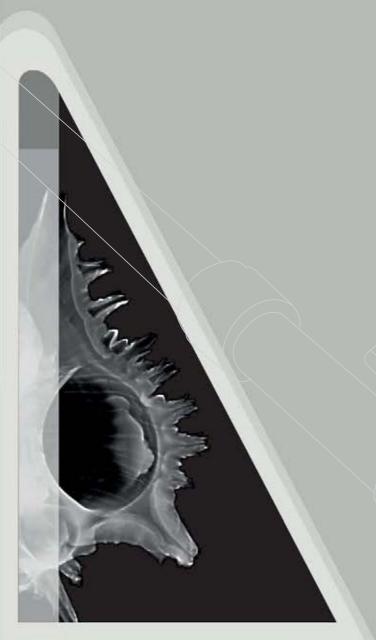
Sometimes it is the little things that make the difference. OR Technology is aware of this fact.

That's why we offer a big variety of additional equipment and accessories.





www.or-technology.com | X-perts in X-ray



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