



Computed radiography

A powerful non-destructive testing (NDT) method that delivers key benefits in image processing, storage and dissemination.

Computed radiography (CR) is a powerful and versatile NDT technique that can be used to identify a large number of faults and integrity flaws through a non-intrusive method.

As an alternative to film radiography, CR is a cost effective and environmentally friendly means of imaging defects in materials. James Fisher NDT's (JF NDT) lab operates to the most stringent QHSE standards and is the only facility in the UK to have gained CR Prime Approval from Airbus, Boeing and Bombardier for the testing of aerospace components. We have a strong track record in developing bespoke testing processes in order to meet client needs and offer highly accurate assurances of component integrity.

Our team is highly experienced, with years of sector-specific service and a wealth of knowledge. Our technicians are qualified in accordance with NAS 410/EN 4179 and includes more than ten qualified to Level 2. All testing is supervised by in-house Level 3 qualified technicians, meaning we can offer industry-leading service across all our testing activities. In addition, our facilities are UKAS and Napcap accredited and operate 24 hours a day, seven days a week to provide a high-capacity, responsive service that delivers fast, efficient and accurate results.

CR can be completed on site or in our laboratory, offering a proven, reliable means to inspect castings, welds and other components with minimum environmental impact. More details are visible and interpretable with CR due to a higher dynamic range when compared to film. Other advantages over film include a more simplified workflow, a safer working environment for operators and a more environmentally-friendly chemical-free process.

Key benefits:

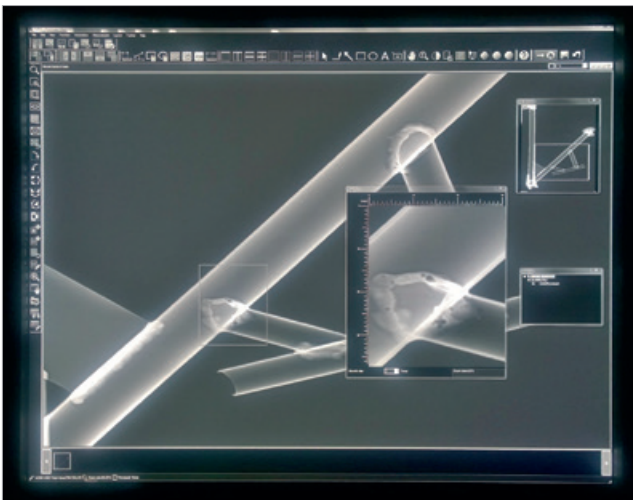
- Reduced exposure times and faster results
- Exposure latitude many times greater than X-ray film
- Software-based image evaluation and reporting
- Simple, digital information exchange and storage
- No chemicals and no environmental impact

Key applications:

- Weld inspection
- Confirmation of wall thickness
- Identification of corrosion and erosion
- Detection and measurement of corrosion scabs
- Detection and assessment of pipe blockages
- Corrosion under insulation
- Valve operation flaws
- Liquid / vapour interfaces
- Casting inspections

Our facilities include:

- Six 3x2m exposure bays
- Two 5x4m exposure bays
- 1000Kg capacity SWL lifting beams
- Dedicated darkroom and film processing area
- Custom built filmless and conventional image viewing rooms
- Secure storage for client components and gamma sources



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