

Fact sheet

Non-Destructive Testing & Metallurgical Testing

Offering complete testing services to the Rail industry

We provide a complete suite of non-destructing testing and metallurgical tests to detect defects and irregularities, ensuring safety and reliability in rail equipment and assets.



Non-Destructive Testing (NDT)

- Thickness Monitoring
- Eddy Current Testing
- Ultrasonic Testing
- Phased Array UT Inspection
- Corrosion Monitoring
- Magnetic Particle Testing
- Liquid Penetrant
- Radiography
- Computed Tomography (CT)
- On-Site NDT Inspection

Rail Specific NDT

- Cardan Shafts
- Bogie Frames
- Drag Box Plates
- Traction Rods
- Gantry Weld Inspection
- Infrastructure
- New Build Coach Welds
- Anti-Rollbar Assemblies
- Impact Repairs
- XCT Crack Evaluation

We're Rail Industry Standard RIS 2701 RST approved adhering to mandatory requirements and guidance for the maintenance, inspection, and repair of suspension components to ensure the safe operation of rolling stock.

Materials Testing (NDT)

- Corrosion Testing
- Scanning Electron Microscopy
- Chemical Analysis
- Micro-Examination
- Macro-Examination
- Hardness Surveys
- Tensile Testing
- Impact Testing (Charpy, Izod)

Rail Specific Metallurgy

- Rolling Stock Hardness Surveys
- Micro-Examination (BS EN 14587)

Welding Approvals

- BS EN 15085
- BS EN ISO 15613, 15614
- BS EN 9606
- Other welding specifications

Consultancy Services

- Failure Investigation
- Reverse Engineering
- Materials Consultancy
- Welding Consultancy
- Welding Inspection (Visual)
- Weld Procedure/Qualification Approval
- Responsible Welding Coordinator (RWC) Training
- Responsible Welding Coordinator (RWC)

For more information



+44 1332 275820



ndt@intertek.com



intertek.com/ndt