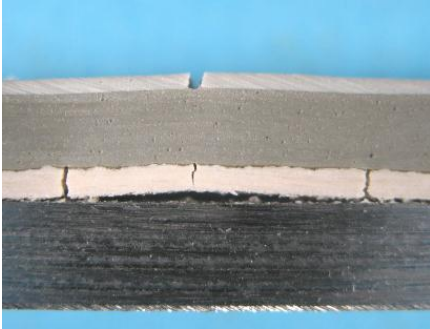


## Capability Statement



**MTS Metallurgical Testing Services provides comprehensive mechanical testing and metallurgical examination services, giving its clients confidence when dealing with materials issues.**

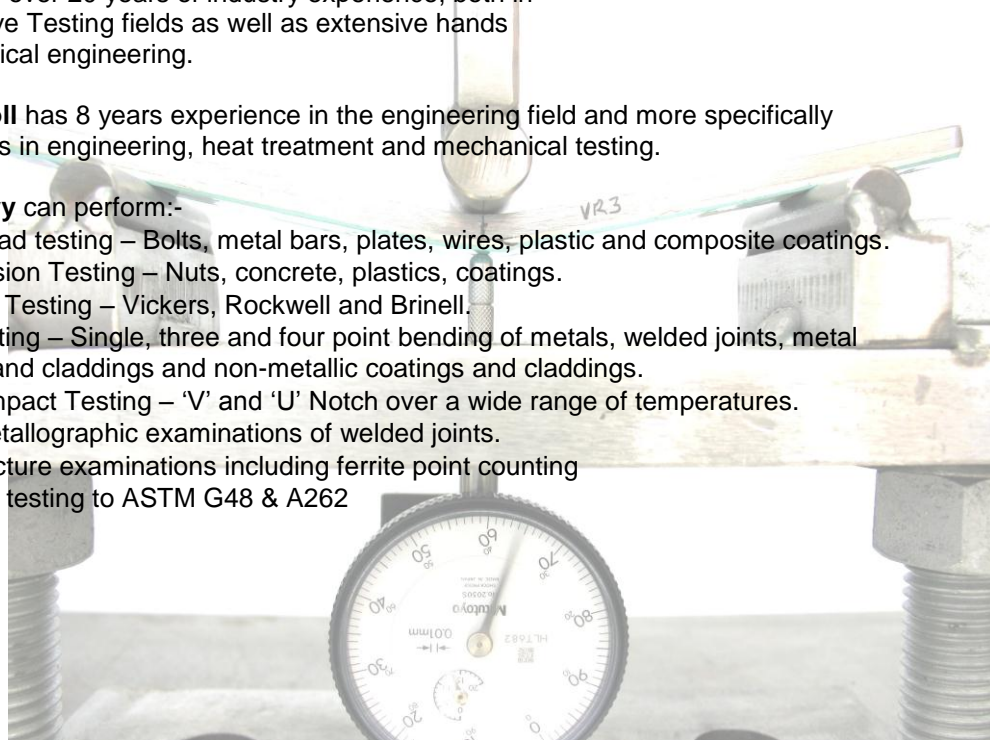


**Laboratory Manager Colin Lorrimar** has over 20 years of industry experience, both in the Non-destructive and Destructive Testing fields as well as extensive hands on practical experience in mechanical engineering.

**Operations Manager John Carroll** has 8 years experience in the engineering field and more specifically information technology applications in engineering, heat treatment and mechanical testing.

**Our NATA Accredited Laboratory** can perform:-

- Tensile load testing – Bolts, metal bars, plates, wires, plastic and composite coatings.
- Compression Testing – Nuts, concrete, plastics, coatings.
- Hardness Testing – Vickers, Rockwell and Brinell.
- Bend Testing – Single, three and four point bending of metals, welded joints, metal overlays and claddings and non-metallic coatings and claddings.
- Charpy Impact Testing – ‘V’ and ‘U’ Notch over a wide range of temperatures.
- Macro metallographic examinations of welded joints.
- Microstructure examinations including ferrite point counting
- Corrosion testing to ASTM G48 & A262



### Services Offered

- Material Identification
- Grinding Media Analysis
- Metallurgical Failure Analysis
- Research and Development Testing
- Testing of Bolts, Studs, Nuts and Washers
- Weld Procedure / Welder Qualification Testing
- Reprocessing of Fasteners to Specific Grade Designations
- Heat Treatment
- Water Jet Cutting
- Strain hardening of austenitic stainless steels
- Design and fabrication of testing jigs for special applications.

### MTS Metallurgical Testing Services

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