

Western Technical Services Ltd is an international Non-Destructive-Testing company that has amassed considerable expertise and experience in equipment and component testing throughout a wide range of industries.



Western Technical Services Ltd was formed in February 1995 and is headed up by its directors Tom Werner, Technical Director, and Richard Rossiter, Quality Director. Ably supported by Kevin Mellor, the Operations Manager, and their team of multi-disciplined Technicians, we specialise in Non-Destructive-Testing both on site and at our purpose built laboratory in Bridgwater. The Company is committed to offering a quality service, accredited to ISO 9001 2008, which encompasses all its inspection activities and very stringent Health and Safety requirements.

What we do

Western Technical Services Ltd offer considerable expertise and experience in equipment and component testing throughout a wide range of industries, and has pioneered and patented several unique advances to place it at the forefront of its chosen specialities. All of our services can be carried out to British, European and American standards as appropriate. Our Non-Destructive-Testing services include:

1. Magnetic Particle Inspection

Surface crack detection of welded carbon steel components and ferromagnetic materials utilising fluorescent and non-fluorescent methods. This is carried out using portable equipment on site and on its 3000 amp bench unit in its laboratory.

2. Liquid Penetrant Inspection

Surface crack detection of non-ferritic welded components. This is normally

carried out on site utilising the colour contrast method or in its laboratory using the fluorescent method.



Ultrasonic Thickness Survey and Material Evaluation of a tugboat



Fluorescent Dye Penetrant Inspection of stainless steel heat exchanger plate

3. Ultrasonic Examination/ Thickness Survey

Sub surface detection of defects in weldments and material. It is also used for carrying out thickness surveys of most materials. The equipment is portable and used on site and in the laboratory.

4. Visual Examination

Visual examination of materials and welded components to any recognised standards.

5. Eddy Current Examination

Surface crack detection of ferritic and non-ferritic welded components. Ideal for use on components that are painted.

6. Welder Training/ Qualification

Welder training and certification, weld procedure approval with or without third



MPI, Ultrasonic and Material Evaluation of pier structure

party witnessing to British, European and American standards. This is normally carried out at clients' premises where candidates are familiar with their own equipment.

7. Hardness Testing

Portable hardness testing of materials utilising most well known scales on site and our laboratory.

Certifications and accreditations



Western Technical Services operates a strict policy of compliance to all new legislation and its own code of conduct.

We are Safe Contractor approved and are affiliated to the American Society for Non-Destructive Testing (NDT).



Western Technical Services are ISO 9001 2008 accredited and are certified to carry out:

- Magnetic Particle inspection;
- Liquid Penetrant Examination;
- Ultrasonic Examination;
- Eddy Current Examination;
- Helium Leak Detection; and
- Hydraulic Pressure Testing.

Personnel Qualifications:

- PCN level 2 as a minimum. Internationally recognised personnel certification scheme.
- SNT-TC 1A level 2 as a minimum. Internationally recognised personnel certification scheme.

Contact details

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WTS Clients

Western Technical Services has worked with some of the leading companies in the UK, Europe and the United States including Carlsberg, BP and Gerber Foods.



"BP Gas has been associated with WTS since 1995. We have always found them to be a professional, friendly and obliging company. From booking the task in to completion... the work is carried out by knowledgeable trained staff - a credit to WTS." BP

Western Technical services carries out inspection and testing in most industries, which include: Structural Steel Fabrication, Petro - Chemical, Rail, Theme Parks, Marine, and Aerospace. Our recent client list and services include:

Royal & Sun Alliance 	Inspection of their steam boilers and pressure vessels throughout the West Country, South Wales and The Channel Islands.
BP Gas	Storage vessels
Transco LNG Storage	Vessel and plant inspection
Jersey Gas	Storage tanks
Guernsey Gas	Storage tanks
Brecknell Willis	Rail brake manufacturer
General Optics	Aerospace components for Lockheed Martin
Marshalsea Hydraulics	Valves used in the offshore industry
A & P Falmouth	Ship repairers
Seacore	Offshore fabrications
Bridgwater College	Welder Approval