

RTO/UT1

Ultrasonic Testing, An Introduction

Description

The course offers a high practical and relevant theoretical background enable student to achieve a basic understanding of ultrasonic inspection. Candidates on completion of the course will be to calibrate a flaw detector with both compression and shear wave probes, record accurate thickness measurement, locate and size lamination in steel plate. In addition student will be able to select the correct compression / shear wave probes for the examination of welded butt joints, locate and size defects and finally product acceptable reports.

Course Content

- Basic concept
- Nature of sound
- Relevant formulae
- Wave propagation
- Type of display
- Operation of flaw detectors
- Probes
- Couplants
- Welding, casting & forging methods (background knowledge)
- Reporting methods
- Use of plotting system
- Relevant BS and EN standards
- Defect location and sizing methods
- Defects associated with the above processes

Duration : 5 Days

Pre-requisites for attending this course **NONE**

If attempting a PCN examination the requirements of PCN/GEN must be met. If attempting an ASNT examination the requirement of your company's Written Practice must be met.



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