



Course Outline

Ultrasonic Testing Level II Weld Inspection

Duration: 5 Days (40 Hours)

This course is focused on the use of Ultrasonic Testing for the inspection of welds. This course supplements the existing UT Level I & II courses and provides emphasis on the relevant standards such as ASME, API, AWS D1.1, AWS D1.5 etc. This course includes intensive hands-on laboratory sessions on the calibration, scanning, interpretation and evaluation techniques.

The following outlines the material to be discussed:

Course Outline

- Welding Processes
- Weld Geometries
- Origin and Orientation of Flaws
- Flaw Signatures
- Applicable Codes and Standards
- Weld Testing Techniques
- Data Interpretation
 - Weld Sizing Techniques
 - DAC curve evaluation
 - AWS system evaluation
 - Digital Flaw detection
 - Data Storage

- Documentation and Reporting

Prerequisite: Successful completion of Ultrasonic Testing Level II Course