

Quality NDT Training Institute

NDT TRAINING & CERTIFICATION COURSE - ULTRASONIC TESTING

OVERVIEW

The course is intended to provide thorough knowledge in the principles of Ultrasonic Testing-UT and fundamentals of materials and processes such that the trainee would be able to identify suitability of UT for the material and inspection techniques, develop techniques and procedures, analyze the test results and document the same and be familiar with codes, standards and specifications.

COURSE CONTENTS

Level I course outline

1. Properties of Sound Waves,
2. Generation of Ultrasonic waves,
3. Interaction of ultrasound with matter and boundaries,
4. Types of Probes,
5. Test Methods,
6. Test Equipment,
7. Instrumentation,
8. Test Variables,
9. Inspection procedures

UT Level 1 Practical Training

Complete calibration of ultrasonic flaw detection equipment for various types of transducers, Discontinuity Detection, Locating the flaw and Size Estimation Techniques

Level II course outline

Review of Level I Course

1. In-depth study of test Variables
2. Immersion Techniques,
3. Principles of DGS / DAC Methods,
4. Echo dynamics for Reflector Evaluation,
5. Codes, standards and Procedures
6. Acceptance Standards,
7. Evaluation of Test Equipment,
8. Manufacturing Process and Discontinuities.

UT Level 2 Practical Training

Same as for level 1 course + interpretation, evaluation of indications using DGS/DAC. Evaluation methods and Echo Dynamics, Beam Profile and Plotting.

FOR MORE INFORMATION

Call : (020) 27121843 / 27119490

Fax : (020) 27129036

E-mail : bkp_qndt@yahoo.in