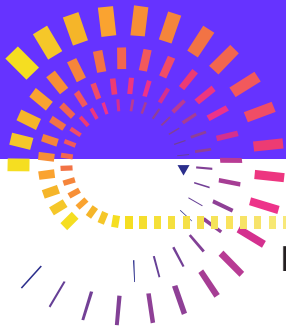


TRINITY INSTITUTE OF NDT TECHNOLOGY

Sharing expertise. Creating Professionals.



NDT TRAINING & CERTIFICATION COURSE - ULTRASONIC TESTING



LEVEL I & II

40-Hours (5 days)

As per ASNT SNT-TC-1A - 2006 Recommended Qualification Hours for Initial Training and Experience		
Training	Level I: 40 hrs	Level II: 40-hrs
Experience	Level I: 210-hrs	Level II: 630-hrs

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,
10. Types of Discontinuities

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 1 Practical Training

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

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: +91 99009 29439 / 98441 29439/080-28366466 or email: training@trinityndt.com

TRAINING COURSE SCHEDULES

Visit : www.trinityndt.com or www.materials-testing.blogspot.com

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