



# Your Road to UltraSonic Testing Machines Training

## Syllabus – Standard UT Level I & II Training Classes

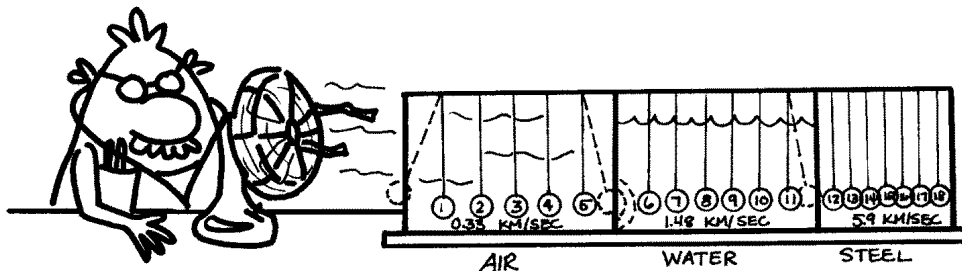
These classes will provide standard class room training, in accordance with the recommended practice # SNT-TC-1A provided by the American Society of Nondestructive Testing (ASNT) for UT level I or II trainees.

Successful completion of this classroom training, as defined in SNT-TC-1A, is one of the primary steps that will lead to certification of your personnel as UT Level I or II operators. The training course syllabus is the standard syllabus provided under ultrasonic topical outlines in the ANSI/ASNT CP-105-20/06/11 Topical Outlines for Qualification of Nondestructive Testing Personnel.

### Standard UT Level I Training Class

The summary topical outline for Ultrasonic Level I includes the following topics:

- Introduction to ultrasonic basic principles
- Basic principles of acoustics
- Basic ultrasonic and operating principles
- Basic testing methods
- Calibration of equipment
- Inspection calibrations
- Inspection sound beam configurations.



### Standard UT Level II Training Class

The summary topical outline for Ultrasonic Level II includes the following topics

- Review of basic ultrasonic principles
- Basic testing methods and calibration methods
- Introduction to the evaluation of basic product forms (plate, sheet, bar, tube, pipe, forgings, castings, composite structures, welded products, and bonded structures)
- Introduction to the assessment of the relationship of discontinuity detection to flaw or defect conditions and UT detection parameters in an inspected product
- Basic equipment

Both Level I & II training classes are five days of 8 hour sessions (40 hours). The class is completed with two exams: a general UT exam and a specific exam. The specific exam will cover material for your inspection specialty: bar, pipe, tube, etc.