



One Step Forward!

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Magnetic Particle Inspection Level – 2

As per SNT-TC-1A of ASNT



Non-Destructive Testing

For engineers and Tech graduates, a great start-up in inspection of static equipment through ASNT aligned training programs. Get international recognition with expertise in inspection. This career path Leads to Level – 3.



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Who shall attend?

BS/ B.tech, tenured technicians with DAE having 12 months experience in inspection of static equipment. This course with certification leads to Level-3 of ASNT and meanwhile helps participants to grow in supervisory roles in inspection engineering.

Before appearing in Exam:

Participants with 12 months experience must attend minimum of 8 hours of training under the guidelines of SNT-TC-1A of ASNT covering, theoretical and practical training. ATDP offers 16 hours of intensive training before assessment.

Course Coverage

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| <ul style="list-style-type: none"> i. Review of Level I course ii. Selection of Techniques iii. Manufacturing Processes & Discontinuities iv. Interpretation of Indications v. Inspection and measurement of samples. <ul style="list-style-type: none"> a. Surface preparation for MT inspection b. Materials & Equipment used c. Use of Dry, Wet ordinary and wet fluorescent powders. d. Testing Procedures e. Detection of Defects f. Demagnetizing, Interpretation & Reporting | <ul style="list-style-type: none"> vi. Evaluation of Test Equipment. vii. Properties of magnetic fields. viii. Understanding of MPI equipment & its calibration. ix. Introduction to ASTM and ASME standards and specifications. x. Application of the method to the specific requirements of the Company. xi. Examination. <ul style="list-style-type: none"> a. Theoretical (General & Specific) b. Practical |
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Examination:

Each candidate must successfully pass a 50 question, multiple-choice examination that evaluates the candidate's knowledge of the topic. Candidates have three hours to complete the closed-book examination. Candidate must pass the practical test on the specifications as per guidelines of ASNT. An aggregate score of 80% is required to pass the examination and achieve certification.

Magnetic particle inspection also referred to as Magnetic Particle Inspection is an inspection method used to identify defects on the surface of ferromagnetic materials such as iron, nickel, and cobalt, and some of their alloys; by running a magnetic current through it. It can also be used to detect defects just beneath the surface of materials.



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Certification – Recognition

ASNT is the highest reputed global organization dedicated for research and setting standards in inspection on all methods under its umbrella. The SNT-TC-1A standard allows working for the company under which written practices the training & exam is organized. However, after completing the required experience all certified inspectors can appear in Level – 3 certification exam of respective method. The course is intended to provide detailed instruction in theory and practice such that the trainee shall be able to identify suitability of MPI for material and inspection procedure, Develop Inspection Techniques and procedure that shall be followed & Analyze, Interpret and Evaluate the Test Results.

Training Terms and Conditions

- i. Each training session is limited to a maximum number of individual attendees.
- ii. Training fee including tax is payable before closing time of registration date.
- iii. ATDP will provide all training requirements for in-house sessions (i.e. For onsite sessions client will be responsible for these provisions.
- iv. If you need to cancel a course or change the date or location of the course you must inform us in writing 20 business days prior to training, otherwise 50% of training fee will be payable.

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