

# TRINITY NDT WELDSOLUTIONS PVT. LTD.

Aerospace and Advanced NDT | Centre of Excellence in Welding | Training

## NDT Training Outline

Magnetic Particle Testing  
Level I, II Courses

# Brochure

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Sreshta Udyama Seva Puraskar 2022  
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## Magnetic Particle Testing Course Overview

The course is intended to provide detailed instruction in theory and practice such that the trainee shall be able to

- Identify suitability of MT for material and inspection procedure
- Develop inspection techniques and procedure that shall be followed
- Analyze, interpret and evaluate the magnetic particle test results



### Training & Certification as per Written Practice Framed to Requirements of ASNT SNT TC 1A

#### Initial training & Experience

<b>Training</b>	Level I : 12 Hours	Level II: 08 Hours
<b>Experience</b>	Level I: 70 Hours	Level II: 210 Hours

*Note: For Direct Level II, training and experience consists of the sum of of the hours for Level I & 2*

## Course Contents Outline

### MT Level I Class Room Training

1. Basic of Magnetism,
2. Magnetization Techniques,
3. Inspection Mediums,
4. Inspection Techniques,
5. Indication Classification,
6. Test Equipments and Accessories
7. Demagnetization,
8. Types of Discontinuities.

### MT Level II Class Room Training

Review of Level I Course

1. Selection of Techniques,
2. Codes, standards and Procedures
3. Acceptance Standards,
4. Manufacturing Process and Discontinuities,
5. Interpretation of Indications,
6. Preservation of Indications,
7. Evaluation of Test Equipment

### MT Level I Practicals

Yokes, Prods, Headshot, Central Conductor, Coil Techniques, Using dry, wet ordinary and wet fluorescent powders, Demagnetisation

### MT Level II Practicals

Same as Level-I + Interpretation, evaluation and recording of test results

## For more information, Contact us

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