

MAGNETIC TESTING (NDT-MT2)

OBJECTIVES

At the end of the course, attendees shall be able to:

- Select suitable NDT technique and test method to be used;
- Define the limitations of application of the testing method
- Translate NDT standards and specifications into NDT instructions;
- Conduct test as per specifications.
- Interpret and evaluate results according to applicable standards
- Organise and report the results of non-destructive tests.
- Meets syllabus requirements for Level 2 – PCN or EN 473

COURSE CONTENTS

The following are some of the training contents with regards to Magnetic Particle Testing.

- General Theory - Principles of Magnetic Particle Inspection
- Limitations - Advantages and disadvantages
- Principles of electricity
- Terms and definitions
- Magnetic materials - brief description of hysteresis
- Magnetising currents - description of AC, DC, HWR, FWR
- Methods of Magnetisation
- Contact current flow, Rigid coil, Threading bar, Prods,
- Equipment - Checks and Calibrations
- Test Procedure, Safety
- Demagnetisation
- Detectability of Defects
- Spurious indications
- Interpretation and Reporting
- Post Test Procedures
- Basic Casting and Forgings Production - Crude and Finished Products
- Basic Welding Processes, Terms and weld defects
- Practical - Instruction Writing and testing

WHO SHOULD ATTEND

Technicians, Instructors, Surveyors, Engineers, NDT supervisors, QA/QC inspectors or anyone who is interested in NDT and requiring a general knowledge of NDT methods and ideal preparation for PCN examinations.

RESOURCE PERSON

Nizaha binti Mohamed Ashari is currently the full time instructor for Magnetic Testing and Penetrant Testing with MINDT since 2006. She also has a Master's degree in Telecommunication Engineering from Universiti Malaya and also an Electrical Engineering degree from Universiti Teknologi Malaysia.

For more information or registration, contact:

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VISIT OUR WEBSITE at: <http://sstc.org.my>

Duration

6 days

SSTC Member

RM5,787.60

Non SSTC Member

RM5,904.20

SME Training Grant

RM1,771.26

*all rates are inclusive of
6% GST

