



Magnetic Particle Testing (MT)

Dates/venues/fee

The up-to-date programme is available at www.twitraining.com

Duration

5 days

Suitable for

All NDT personnel, inspectors and technicians engaged in, or responsible for, inspection of castings, forgings or fabricated items during manufacture or in-service in different product sectors.

Suitable for personnel working in the aerospace industry..

Entry requirements

No mandatory course entry requirements.

Training requirements:

The minimum required duration of training, which includes both theoretical and practical elements, is:

- Level 1 – 16 hours
- Level 2 – 24 hours (Direct Level 2 – 40 hours)

The training hours requirement is fulfilled when candidates attend one of TWI's training courses.

Certification requirements:

The minimum duration for experience prior to or following success in the qualification examination is:

- Level 1 – 1 month
- Level 2 – 3 months (Direct Level 2 – 4 months)

Certification will not be issued until successful completion of the examination and the required experience is achieved.

Certification/Awarding Body

CSWIP

Course content

Principles of magnetism; magnetic fields; induction; permeability and reluctance; magnetisation; lines of force, methods of testing; interpretation of indications; demagnetisation; practical exercises; methods of assessing sensitivity; instruction writing.

During the Level 2 instruction writing and application, attendees requiring only Level 1 training will carry out practical applications to written instructions.

The course ends with the certification examination.

Objectives

- To explain the basic principles of magnetic particle inspection methods
- To carry out magnetic particle inspection
- To write clear and concise inspection instructions and test reports
- To meet syllabus requirements for CSWIP

Additional information

Price listed is for direct access Level 2 and includes examination and levy fees. For Level 1 option, please contact Customer Services.