



Magnetic Particle Testing (MT)

Welding, NDT & Materials

QGT-WLD-111 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Magnetic Particle Testing (MT) is an introduction that builds a solid working knowledge in Magnetic Particle Testing (MT). It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Magnetic Particle Testing (MT)
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Magnetic Particle Testing (MT) fits into daily operations

Day 2: Codes, standards and requirements

What AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
1–5 Mar 2027	Accra	Classroom	5 days	\$5,500
18–29 Apr 2027	Sharm El Sheikh	Classroom	10 days	\$9,900
16–20 May 2027	Amman	Classroom	5 days	\$5,500
6–17 Sep 2027	Istanbul	Classroom	10 days	\$9,900
20–24 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
6–10 Mar 2028	Berlin	Classroom	5 days	\$5,500
2–13 Apr 2028	Jeddah	Classroom	10 days	\$9,900
24–28 Apr 2028	Lisbon	Classroom	5 days	\$5,500
10–21 Jul 2028	Luanda	Classroom	10 days	\$9,900
2–6 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
26 Feb – 2 Mar 2029	Istanbul	Classroom	5 days	\$5,500
4–15 Mar 2029	Kuwait City	Classroom	10 days	\$9,900
7–11 May 2029	Budapest	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2029	Bangkok	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
18–22 Feb 2030	Nairobi	Classroom	5 days	\$5,500
11–22 Mar 2030	Dublin	Classroom	10 days	\$9,900
29 Apr – 3 May 2030	Budapest	Classroom	5 days	\$5,500
23 Sep – 4 Oct 2030	Lagos	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/magnetic-particle-testing-mt/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

