



Magnetic Particle Testing (MT) Masterclass

Welding, NDT & Materials

QGT-WLD-180 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Magnetic Particle Testing (MT) Masterclass is a senior-level masterclass on strategy and performance 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Magnetic Particle Testing (MT)

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
8–12 Mar 2027	Prague	Classroom	5 days	\$5,500
25 Apr – 6 May 2027	Dammam	Classroom	10 days	\$9,900
28 Jun – 2 Jul 2027	Nairobi	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Rome	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Bangkok	Classroom	5 days	\$5,500
11–22 Jun 2028	Dammam	Classroom	10 days	\$9,900
20–24 Aug 2028	Al Khobar	Classroom	5 days	\$5,500
2–13 Oct 2028	Tunis	Classroom	10 days	\$9,900
16–20 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
8–12 Jan 2029	Zurich	Classroom	5 days	\$5,500
30 Apr – 11 May 2029	Frankfurt	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2029	Amman	Classroom	5 days	\$5,500
15–26 Oct 2029	Singapore	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Mar 2030	Madrid	Classroom	5 days	\$5,500
22 Jul – 2 Aug 2030	Lisbon	Classroom	10 days	\$9,900
19–23 Aug 2030	Singapore	Classroom	5 days	\$5,500
1–12 Sep 2030	Erbil	Classroom	10 days	\$9,900
11–15 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-masterclass/>

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