Garnet
Garnet Global Training Center

GGT-MN-103

Mining, Metals & Cement

Grinding & Milling Technology

تكنولوجيا الطحن

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Grinding & Milling Technology focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Process, maintenance and safety programs for mines, smelters and cement plants. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Grinding & Milling Technology to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Process and maintenance engineers, plant managers and safety leads in heavy industry. Practitioners with one to five years of experience benefit most.

Key topics

- Process flow and mass balance
- Kilns, mills and crushers
- Wear, refractories and reliability
- Energy and fuel efficiency
- Dust, emissions and safety
- Quality control

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

WhatsApp: +971 56 674 7382

Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Grinding & Milling Technology: principles and standards

- Wear, refractories and reliability
- Group discussion and peer review

Day 2 Methods and tools in practice

- Energy and fuel efficiency
- Dust, emissions and safety

Day 3 Diagnosis and problem solving

- Quality control
- Measurement and reporting

Day 4 Quality, safety and documentation

- Process flow and mass balance
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Kilns, mills and crushers
- Common mistakes and how to avoid them

10-day outline

Day 1 Grinding & Milling Technology: principles and standards

- Wear, refractories and reliability
- Group discussion and peer review

Day 2 Methods and tools in practice

- Energy and fuel efficiency
- Dust, emissions and safety

Day 3 Diagnosis and problem solving

- Quality control
- Measurement and reporting

Day 4 Quality, safety and documentation

- Process flow and mass balance
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Kilns, mills and crushers
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Checklists and templates to take away

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
7–18 Mar 2027	10-day classroom	Kuwait City	English	8,950
17–21 May 2027	5-day online	Live online	Arabic	2,950
18–22 Jul 2027	5-day classroom	Riyadh	Arabic	4,750
18–22 Oct 2027	5-day classroom	Geneva	English	4,750
15–26 May 2028	10-day classroom	Dubai	English	8,950
13–17 Aug 2028	5-day classroom	Amman	English	4,750
11–22 Sep 2028	10-day online	Live online	English	5,450
15–19 Oct 2028	5-day classroom	Jeddah	Arabic	4,750
7–11 Jan 2029	5-day classroom	Amman	English	4,750

Dates	Format	City	Language	Fee (USD)
12–23 Feb 2029	10-day classroom	Barcelona	English	8,950
14–18 May 2029	5-day online	Live online	English	2,950
9–13 Dec 2029	5-day classroom	Riyadh	English	4,750
18–22 Feb 2030	5-day classroom	Dubai	Arabic	4,750
4–15 Aug 2030	10-day classroom	Riyadh	Arabic	8,950
9–13 Sep 2030	5-day classroom	London	English	4,750
4–15 Nov 2030	10-day online	Live online	Arabic	5,450

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/