MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

APPLIED COATING EXTRUSION - PRINCIPLES & TROUBLESHOOTING

"Mastering Extrusion Techniques for High-Performance Coatings and Efficient Production"

Schedule

Date	Venue	Fees (Face-to-Face)
25 – 27 Aug 2026	Doha, Qatar	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

This 3-day intensive course is designed to provide engineers, operators, and technical staff with a comprehensive understanding of coating extrusion processes. Participants will explore the principles of extrusion, material behavior, machine setup, and process optimization to improve production efficiency and product quality.

The course emphasizes troubleshooting techniques, equipping participants with practical skills to diagnose and resolve common extrusion problems, reduce waste, and ensure smooth production operations.

Objectives

By the end of this course, participants will be able to:

- Understand the fundamental principles of coating extrusion
- Analyze material properties and their impact on extrusion performance
- Optimize machine setup for maximum efficiency
- Identify and troubleshoot common extrusion defects
- Apply best practices for improving product consistency and minimizing waste

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Why Attend

- Gain deep knowledge of extrusion coating processes and machinery
- Improve production outcomes through optimized process control
- Learn practical troubleshooting techniques to resolve production issues
- Enhance your technical confidence and problem-solving skills
- Stay updated with industry trends and innovations in coating extrusion

Target Audience

This program is designed for:

- Process engineers and production managers
- Extrusion operators and technicians
- Quality control and R&D personnel
- Plant supervisors and technical staff involved in extrusion
- Anyone seeking to enhance their expertise in coating extrusion

Individual Benefits

Key competencies that will be developed include:

- Technical mastery of coating extrusion principles
- Ability to analyze and optimize production processes
- Enhanced troubleshooting and problem-solving capabilities
- Knowledge of best practices for reducing defects and waste
- Improved confidence in managing extrusion operations

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased production efficiency and reduced downtime
- Improved product quality and consistency
- Enhanced technical capabilities within the production team
- Lower operational costs through better process control
- Alignment with best practices and industry standards

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Deep dive into coating extrusion principles, materials, and machine operations
- Case Studies – Real-world examples of extrusion challenges and solutions
- Workshops – Hands-on exercises for setting up machines, adjusting parameters, and solving issues
- Peer Exchange – Group discussions on operational experiences and troubleshooting strategies
- Tools – Checklists, troubleshooting guides, and process optimization templates

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Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Coating Extrusion

- Module 1: Introduction to Coating Extrusion (07:30 – 09:30)
- Overview of extrusion processes and equipment
- Key material properties influencing extrusion performance
- Basic machine components and their functions
- Module 2: Process Parameters and Control (09:45 – 11:15)
- Temperature, pressure, and speed control
- Impact of parameter settings on product quality
- Strategies for process optimization
- Module 3: Material Behavior in Extrusion (11:30 – 01:00)
- Polymer characteristics and behavior under extrusion
- Additives and their roles in coating applications
- Material selection for various coating requirements

Day 2: Advanced Techniques and Troubleshooting

- Module 1: Advanced Machine Setup (07:30 – 09:30)
- Machine calibration and alignment
- Best practices for die and roll setup
- Ensuring consistent thickness and surface quality
- Module 2: Common Defects and Troubleshooting (09:45 – 11:15)
- Identifying defects such as gels, streaks, and voids
- Root cause analysis of common problems
- Corrective actions and preventive measures
- Module 3: Process Monitoring and Control (11:30 – 01:00)
- Using sensors and monitoring tools
- Data analysis for process improvement
- Establishing control plans for consistent output
- **Day 3: Optimization and Practical Application**
- Module 1: Energy and Waste Reduction (07:30 – 09:30)
- Techniques for improving energy efficiency
- Minimizing scrap and maximizing material usage
- Cost-saving strategies in extrusion operations
- Module 2: Best Practices and Innovations (09:45 – 11:15)
- Industry innovations in coating extrusion
- Benchmarking performance against industry leaders
- Continuous improvement practices
- Module 3: Practical Workshop and Case Discussions (11:30 – 01:00)
- Hands-on exercises with simulated troubleshooting scenarios
- Group discussion of case studies and shared experiences
- Development of a personal action plan for workplace application

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Certification

Participants will receive a Certificate of Completion in Applied Coating Extrusion – Principles & Troubleshooting, validating their expertise in optimizing extrusion processes, resolving operational challenges, and improving production efficiency.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**