

PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

Training Packages from Tooling U-SME offer quick-start, progressive road maps in various functional areas that allow manufacturers to build career paths for employees. They are intended to enhance your existing OJT and help you create a job progression plan. Unlike many other training programs, these packages require minimal preparation. They are efficient, effective training, developed with input from manufacturing experts.

FLEXIBLE AND CONVENIENT

Online classes are self-paced, typically taking 60 minutes to complete. They are easily and conveniently accessible on desktops and laptops, and on tablets and phones with the Tooling U-SME app.

CAREER PATHWAYS FOR PLASTICS PROCESSING JOB ROLES

Combine job roles for learning pathways, or offer single job roles for targeted learning. Large comprehensive programs are also available.



Online Training offers:

- Content developed by industry experts
- Accessible anytime, anywhere
- Self-paced
- Predefined curriculum for each job role
- Engaging and interactive content
- Pre- and post-training knowledge assessments
- Access to Tooling U-SME's Learning Management System (LMS)
- Guidance from our Client Success team, including advice, insights, and ideas built on best practices and years of experience





This is a self-paced, customized course offering. To get started, contact your MMTC Business Solutions Manager at inquiry@the-center.org, call 888.414.6682, or contact us at The-Center.org.

PLASTICS PROCESSING

PLASTICS PROCESSING FUNDAMENTALS

Basic Measurement
Basics of Tolerance
Blueprint Reading
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection

5S Overview
Lean Manufacturing Overview
Introduction to Mechanical Properties
Introduction to Plastics
ISO 9001 Review
Bloodborne Pathogens

Fire Safety and Prevention Hand and Power Tool Safety Intro to OSHA Lockout/Tagout Procedures Noise Reduction and Hearing Conservation Personal Protective Equipment Powered Industrial Truck Safety Safety for Lifting Devices SDS and Hazard Communication Walking and Working Surfaces Geometry: Circles and Polygons

Geometry: Lines and Angles Geometry: Triangles Math Fundamentals Math: Fractions and Decimals Trigonometry: Sine, Cosine, Tangent Units of Measurement

MOLD EXTRUSION OPERATOR

Advanced Thermoset Resins for Composites

Composite Inspection and Defect Prevention

Intro to Compression Molding

Electrical Units
Safety for Electrical Work
Fittings for Fluid Systems
Introduction to Fluid Conductors
Introduction to Hydraulic Components

Introduction to Pneumatic Components Preventive Maintenance for

Preventive Maintenance for Fluid Systems

Safety for Hydraulics and Pneumatics

The Forces of Fluid Power Thermoplastics

Thermosets

Forces of Machines

Introduction to Mechanical Systems

Safety for Mechanical Work Intro to Machine Rigging Rigging Equipment

Rigging Inspection and Safety Rigging Mechanics

MOLD MAKER

Basics of the Cylindrical Grinder Basics of the Surface Grinder Cylindrical Grinder Operation Dressing and Truing Grinding Processes Grinding Safety Grinding Variables Grinding Wheel Geometry Grinding Wheel Materials Grinding Wheel Selection Introduction to Grinding Fluids
Setup for the Cylindrical Grinder
Setup for the Surface Grinder
Surface Grinder Operation
Calculations for Programming the Mill

Canned Cycles for the Mill Creating a CNC Milling Program Introduction to GD&T Major Rules of GD&T Troubleshooting

Basic Cutting Theory Carbide Grade Selection Cutting Tool Materials Speed and Feed for the Lathe Speed and Feed for the Mill

— New content is always being added. Check with your representative for the most current list of classes. —



