# FORMING, FABRICATING, STAMPING

RTMA
ROCHESTER TECHNOLOGY & MANUFACTURING ASSOCIATION

## PROFESSIONAL DEVELOPMENT

### LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from RTMA and Tooling U-SME offers a quick-start, progressive road map that allows manufacturers to build career paths for employees. This online training is intended to enhance your existing on the job training, to create a job progression plan and requires minimal preparation. It is efficient, effective training that has been 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 FORMING, FABRICATING AND STAMPING JOB ROLES

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

**FORMING, FABRICATING & STAMPING FUNDAMENTALS**

→ **PRESS OPERATOR**

## 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

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To begin your training program or for more information, contact Rich Turner, Director of Workforce Development
**(585) 721-6930** or **rturner@rtma.org**

Choose a starting point based on employee's experience or company goals for a quick-start training solution.

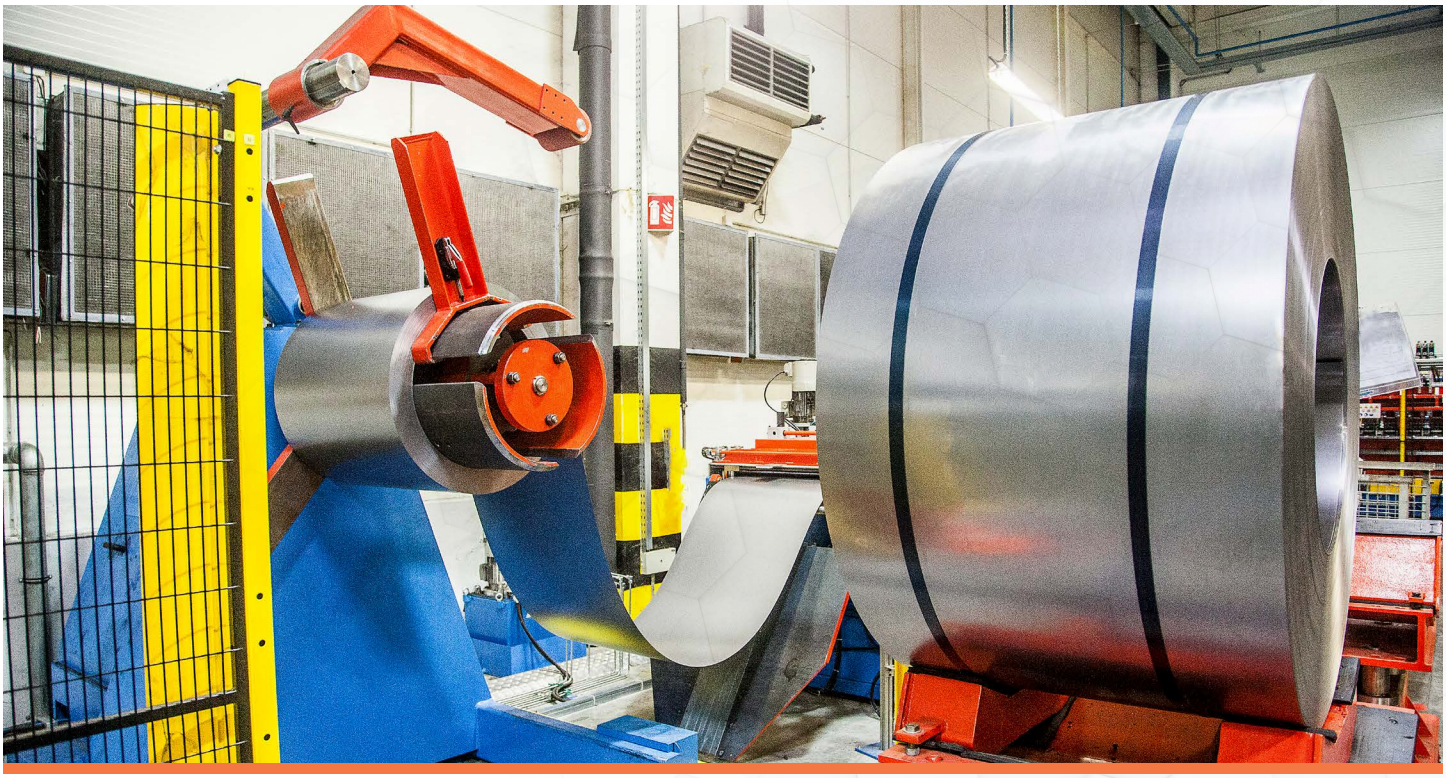
# FORMING, FABRICATING, STAMPING

## FORMING FABRICATING, STAMPING FUNDAMENTALS

- Basic Measurement
- Basics of Tolerance
- Blueprint Reading
- Calibration Fundamentals
- Hole Standards and Inspection
- Thread Standards and Inspection
- 5S Overview
- Lean Manufacturing Overview
- Ferrous Metals
- Introduction to Mechanical Properties
- Introduction to Physical Properties
- Band Saw Operation
- 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
- Manufacturing Process Applications: Part I
- Math Fundamentals
- Math: Fractions and Decimals
- Trigonometry: Sine, Cosine, Tangent
- Units of Measurement

## PRESS OPERATOR

- Electrical Units
- Introduction to Circuits
- Introduction to Hydraulic Components
- Introduction to GD&T
- Major Rules of GD&T
- Total Productive Maintenance
- Troubleshooting
- Introduction to Mechanical Systems
- Bending Fundamentals
- Die Bending Operations
- Operating the Press Brake
- Press Brake Components
- Press Brake Safety
- Press Brake Specifications
- Approaches to Maintenance
- Coil Handling Equipment
- Coil Loading Procedures
- Die Components
- Die Cutting Variables
- Die Setting Procedures
- Monitoring Press Operations
- Press Basics
- Punch and Die Operations
- Stamping Safety
- Essentials of Communication
- Essentials of Leadership
- Introduction to Workholding
- Supporting and Locating Principles
- Surface Texture and Inspection
- Measuring Systems Analysis
- GD&T Applications
- Advanced Hole Inspection
- Inspecting with Optical Comparators
- Calibration and Documentation
- In-Line Inspector Applications



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