

**METAL STAMPING PRESS OPERATOR
(Time-Based)**

APPENDIX A

O*NET CODE 51-4031.00

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

WORK PROCESSES

	Approximate Hours
A. Workplace Orientation	50
1. Demonstrate knowledge of workplace policies, procedures, etc.	
2. Maintain a safe and work environment, complying with rules, and regulations.	
3. Keep areas free of unsafe conditions and materials.	
4. Ensure safety equipment, such as fire extinguishers and smoke detectors, are in place and operable and know how to use them.	
5. Handle the disposal of hazardous materials.	
B. Setting Up Metal Stamping Press	2500
1. Read part drawing and examine sample part.	
2. Clean work surface of bolster plate, main ram, and stamping die prior to clamping die in place.	
3. Adjust ram height for die.	
4. Make coarse adjustments to feed or pressure.	
5. Install die in stamping press or press brake.	
6. Lubricate dies.	
7. Align die with stock and clamp die in place.	
8. Stamp/form sample parts and inspect.	
9. Fine-tune height of die.	
10. Fine-tune straightness of stock.	
11. Fine-tune length of feed or pressure.	
12. Fine-tune settings of stamping press or press brake for continuous operation.	

C. Operating Metal Stamping Press

3200

1. Develop product specifications to be stamped/formed using detailed part drawings.
2. Startup stamping press or press brake.
3. Select blanks at regular intervals and inspect to specification or print using precision measuring instruments such as calipers, height stands, micrometers, gauge pins, etc
4. Prepare parts for inspection per facilities quality procedures.
5. Tend stamping press or press brake that forms, cuts, punches or stamps various size product from coil stock, sheet stock or blanks of material.
6. Inspect parts visually or using inspection tools such as calipers, height stands, micrometers, gauge pins and discard parts not meeting customer or company quality specifications.

D. Inventory Operations

250

1. Operate tow motor or lifting cranes to move steel coil, sheets, or blanks from inventory to stamping press or press brake.
2. Verify raw stock meets drawing and quality assurance specifications.
3. Stage material for operations.

Approximate Total Hours 6000

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>

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APPENDIX B

RELATED INSTRUCTION

Safety and Health

1. OSHA 10 for General Industry
2. First Aid, CPR. Automated External Defibrillator (AED)
3. Sexual Harassment Prevention Training – MUST comply with Section 201-g of the Labor Law

Trade Theory and Skills

1. Blueprint Reading, Sketching and Drawing
 - a. Fundamentals
 - b. Interpreting Blueprints
2. Mathematics
 - a. Fundamentals
 - b. Applications to the Trade
3. Trade Theory and Science
 - a. Tools, Machines and Equipment (Operation, Care and Maintenance)
 - b. Materials
 - c. Terminology
 - d. Theory of Jobs and Processes
 - e. Technology of Processes
 - f. Principles of Basic Die Design
4. Inventory Control
5. Supervisory Skill or Human Relations Course

Additional Topics as Necessary

Minimum of 144 hours of Related Instruction are required for each Apprentice for each year.

Appendix B topics are approved by New York State Education Department.