



M-Powered Level II Career Profile Precision Metal Stamping Technician

Job Description:	The Precision Metal Stamping Technician relies on a strong background of machining skills. These skills include the understanding of metal stamping machine set-up and operations, including single-hit, multi-hit, and progressive tooling, tooling, blueprints, and additional methods used to produce and inspect a part.
Skills/Knowledge Needed:	<p>The Precision Metal Stamping Technician relies on a strong background of machining skills, including:</p> <ul style="list-style-type: none"> • Understanding of machines, tooling, blueprints, and additional methods used to produce and inspect a part. • Monitoring performance and equipment • Controlling quality <p>Additional Skills/Knowledge Required:</p> <ul style="list-style-type: none"> • Good communication • Reason and problem solving • Mechanical: Knowledge of designing, using, and repairing machines and tools. • Mathematics: Knowledge of the rules and uses of numbers. Areas of knowledge include arithmetic, algebra, geometry, and statistics. • Production and processing: Knowledge of how products are made and supplied. • Computers and electronics: Knowledge of computer hardware and software.
Interest in:	<ul style="list-style-type: none"> • Consider support from their employer important. They like to be treated fairly and have supervisors who will back them up. They prefer jobs where they are trained well. • Have realistic interests. They like work activities that include practical, hands-on problems and solutions. They like to work with plants, animals, and physical materials such as wood, tools, and machinery. They often prefer to work outside. • Have conventional interests. They like work activities that follow set procedures, routines, and standards. They like to work with data and detail. They prefer working where there is a clear line of authority to follow.
Education/Experience:	High school diploma, precision stamping certificate, or A.S./equivalent and 0-2 years experience in manufacturing environment
Alternate Titles:	Machinist, Metal Stamping Press Operator, Stamping Operator

M-Powered Program, a joint effort between Hennepin Technical College & HIREd, is funded by the US Department of Labor Hennepin Technical College, an affirmative action, equal opportunity employer and educator.

M-Powered has Veteran preference of admission.

For more information, please visit: www.m-powered.info



Knowledge and Skills Obtained at Level II

Course	Description
Precision Metal Stamping Operation WLDG1370 3 Credits	This course prepares the student to learn the fundamentals of metal forming and develop technical skills and knowledge on how to operate mechanical power presses. Topics covered include: identifying press types and components, safe operating procedures, proper use of personal protective equipment, and identifying types of tooling and their components.
Precision Metal Stamping Setup WLDG1375 3 Credits	This course prepares the student to learn the fundamentals of parts inspection and quality control and to develop skills and knowledge on how to setup mechanical power presses. Topics covered include: Geometric Dimensioning and Tolerancing (GDT) interpreting engineering drawings, sensor and die protection, programming feed and speed and pilot release, applied metal forming theory, applied geometry and trigonometry, calibration and statistical process control (SPC).
Metrology and Measurement Techniques METS1010 3 Credits	This course prepares the student to inspect components and/or assemblies to determine acceptance status. Topics covered include reading and interpreting engineering and assembly drawings; application and use of basic inspection and measurement tools such as micrometers, calipers, ring gauges, and scales; and proper documentation of non-conformances.
HTC Credits Earned:	9 credits earned
Credentials Taken:	National Institute of Metalworking Skills: Operate with Single Hit Tooling II Operate with Compound Dies II Operate with Progressive Dies II Parts Inspection & Quality Control

Career Pathway

Career Progression	Wage	Continued Education
Manual Operator	\$18,720-\$20,800+	HS Diploma
Machine Operator	\$24,960-\$29,120+	Certificate, Diploma, 1 Specialty
Tool and Die Maker	\$33,280-\$37,440+	AAS Degree, 1 Specialty
Quality Technician	\$33,280-\$37,440+	AAS Degree, 1 Specialty
Stamping Technician	\$33,280-\$37,440+	AAS Degree, 1 Specialty
Technician Manager	\$41,600-\$49,920+	AAS Degree, Multiple Specialties
Specialized Engineer	\$45,760-\$58,240+	BA/BS Degree

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