

Job Title: Mold Setter Apprentice

Company: World Magnetics

Location: Traverse City, Michigan

Apprenticeship Term: 1 Year, Competency-Based

Launch your career in manufacturing with hands-on experience as a Mold Setter Apprentice at World Magnetics, a company dedicated to innovation and quality.

About World Magnetics:

Located in Traverse City, Michigan, World Magnetics brings over 60 years of expertise in designing, manufacturing, and supplying high-quality, custom switches for industrial, medical, aerospace, and military applications. Our dedication to exceptional customer service, innovative engineering, and comprehensive manufacturing capabilities enables us to deliver rapid, customized solutions with a focus on quality and durability.

As a forward-thinking industry leader, World Magnetics is committed to developing a skilled workforce through its U.S. Department of Labor Registered Apprenticeship Program. This initiative includes the Mold Setter Apprenticeship, a hands-on learning and professional development opportunity offered in partnership with Northwestern Michigan College. The program is designed to cultivate the next generation of skilled professionals who will advance our industry's legacy and drive future innovation.

Position Overview:

As a Mold Setter Apprentice, you'll work closely with a journey worker to set up and maintain molding equipment used in producing high-quality parts. This role provides hands-on experience in machine operation, quality control, and maintenance, contributing to World Magnetics' commitment to precision and excellence. A typical day might include preparing materials, setting up molding equipment, adjusting machine operations, and troubleshooting to ensure smooth production.

Key Responsibilities:

- Set up, operate, and tend metal and plastic molding, casting, or stamping machines for part production.
- Measure and inspect product dimensions, ensuring compliance with specifications.
- Monitor and adjust machine operations to maintain product quality and detect malfunctions.
- Select and load materials, such as thermoplastics and metals, into machines.
- Install, adjust, and remove molds and dies as needed, including applying parting agents and ensuring secure attachment.
- Follow all safety protocols to ensure a safe working environment.

- Collaborate with the team to troubleshoot issues and uphold high standards of product quality.
- Perform maintenance tasks, including cleaning and lubricating equipment.
- Maintain inventory records for materials, equipment, and finished products.

Competencies Developed:

- Proficiency in reading and interpreting technical blueprints and specifications.
- Skill in operating hoists and other lifting equipment for mold and die installation.
- Knowledge of machine safety standards, quality control, and proper handling of coolants and lubricants.
- Competence in managing machine safety standards and handling materials effectively.

Training and Instruction:

The apprenticeship includes 210 hours of Related Technical Instruction (RTI) with Northwestern Michigan College, covering:

- Blueprint Reading & Sketching (60 hours)
- Tolerancing and GD&T (45 hours)
- Fluid Power (60 hours)
- Math for Manufacturing (45 hours)

What We Offer:

- **Competitive Starting Pay:** Begin your journey with a progressive wage structure, starting at \$15.75/hr and increasing to \$17.00/hr upon mastering key competencies.
- **Comprehensive Benefits:** Access to health, dental, and vision insurance, along with paid holidays and vacation time, to ensure a balanced, healthy lifestyle.
- **Future Financial Security:** A 401(K) retirement plan with company contributions, helping you invest in your future.
- **Professional Growth and Development:** Take advantage of continuous learning through our U.S. Department of Labor Registered Apprenticeship Program, with structured training and guidance.
- **Innovative, Inclusive Team Culture:** Join a supportive team focused on quality, safety, and continuous improvement within an environment that values each member's contributions.

Growth Opportunities:

This apprenticeship offers a strong foundation for a rewarding career in manufacturing. Upon completion, graduates may advance into roles such as Mold Setter, Machine Operator, or other



Mold Setter Apprenticeship

specialized positions, with ample potential for continued career development and advancement within World Magnetics.

Application Process:

This apprenticeship is open to candidates through an interview process. Successful candidates will begin a 500-hour probationary period, gaining exposure to a structured, competency-based training approach that prepares them for a successful career in manufacturing.

To express your interest in the apprenticeship program, please email your resume to jobs@worldmagnetics.com.

World Magnetics is proud to be an Equal Opportunity Employer. We are committed to fostering an inclusive workplace and encourage applications from candidates of all backgrounds and experiences.

Take the first step toward an exciting career in manufacturing with World Magnetics. Apply today and join a team that values innovation, quality, and professional growth!