

CAD / CAM Technician

Department: Engineering **Reports To:** Shop Manager
FLSA Status: Nonexempt **Effective Date:** 6/22/23

Job Purpose: To provide technical support to the manufacturing process by designing tools and programming machinery. To provide technical support to all organization stakeholders.

Essential Functions:

1. Develops CAD and CNC programs in support of manufacturing new and improved products.
2. Creates, implements, maintains and improves capable production processes, methods and sequences to achieve safety, quality, throughput and cost targets.
3. Develops and maintains production standards using work measurement techniques such as time/motion studies, work content studies, and line-balancing.
4. Creates and maintains manufacturing documentation as required by the various operating procedures.
5. Design special fixtures and tooling. Provides technical assistance with tool builds, as required
6. Designs and implements manufacturing cell layouts to support improved production efficiency.
7. Works with Production to identify and resolve safety and quality risks within the manufacturing processes.
8. Communicates and provides technical consultation with engineering, maintenance, sales and production personnel.
9. Serves as a technical resource for Quality Department in the identification of root cause failures.
10. Champions continuous improvement initiatives with Quality, Supply Chain, Sales and Manufacturing departments. Drives projects from design through implementation.
11. Provides technical bridge between Sales and Suppliers. Works with Suppliers regarding manufacturing and product requirements.

Additional Responsibilities:

1. Drafts and reverse-engineers drawings based upon sample parts. Software being utilized is Solidworks and HSM Works. Communications with Sales and Customer regarding product design requirements.
2. Develops and improves products by studying customer requirements. Researches and tests manufacturing methods and materials. Solicits input from customers and internal departments as needed.
3. Ancillary duties as assigned.

Work Environment:

Primarily office environment.

Position requires some work to be required within the manufacturing/plant environment

CAD / CAM Technician

Physical Requirements:

Ability to use a computer, communicate with others, and work in an office and factory environment.

Education:

High School Diploma and equivalent CAD experience.

Required Skills/Experience:

5 years' experience with CNC programming, preferably with HAAS machining centers or similar machinery.

1-3 years' experience with metallurgy or metal treating knowledge preferred.

Experience with drafting software, including experience reverse engineering of parts.

Project Management experience a plus.

PLC knowledge helpful but not required.

Competencies:

Attention to Detail

Adaptability

Communication Skills

Innovative Thinking

Priority & Time Management

Problem Solving/Analytical Thinking

Project Management

Results-Oriented

Technical Knowledge