

Patterson Pump Co

CNC Programmer

Department: Industrial Engineering
Job Status: Full Time
FLSA Status: Non-Exempt
Reports To: Industrial Engineer Manager
Grade/Level: 7
Amount of Travel Required: None
Job Type: Regular
Positions Supervised: None
Work Schedule: Monday – Friday

POSITION SUMMARY

Write code to automated power driven machines that cut and finish metal pump components from various materials. Mazak Multitasking experience preferred.

ESSENTIAL FUNCTIONS

Reasonable Accommodations Statement

To accomplish this job successfully, an individual must be able to perform, with or without reasonable accommodation, each essential function satisfactorily. Reasonable accommodations may be made to help enable qualified individuals with disabilities to perform the essential functions.

Essential Functions Statement(s)

- Creates instructions for machinists.
- Reviews 3D CAD design blueprints.
- Makes calculations for programming including where materials should be cut.
- Translates instructions into a computer automated manufacturing (CAM) program. (Gibbs Cam, Mazatrol, Fanuc & Siemens)
- Communicates with engineers and machinists who will use the programs.
- Checks completed programs by running simulations or tests.
- Prepares geometric layout of designs using proper software.
- Determines sequence of operations in a program.
- Choose cutting tools that will be needed.
- Analyzes job order and performs necessary calculations.
- Writes programs and modifies existing ones for increased efficiency.
- Analyzes and selects speeds and cutting tools for programs.
- Makes improvements to set up times for a task and contouring of complex shapes.
- Simplifies tooling time for workers and increases productivity for the machinists.
- Evaluates all completed designs to validate their functions and ensure they successfully reduce time and money.
- Monitors all programs to make sure they follow blueprint instructions and safely and successfully complete the task.
- Provides training for machinists on automated systems.
- Complies with all safety rules and regulations.

POSITION QUALIFICATIONS

Competency Statement(s)

- Accuracy - Ability to perform work accurately and thoroughly.
- Applied Learning - Ability to participate in needed learning activities in a way that makes the most of the learning experience.
- Detail Oriented - Ability to pay attention to the minute details of a project or task.
- Reliability - The trait of being dependable and trustworthy.
- Responsible - Ability to be held accountable or answerable for one's conduct.
- Safety Awareness - Ability to identify and correct conditions that affect employee safety.

- Accountability - Ability to accept responsibility and account for his/her actions.
- Technical Aptitude - Ability to comprehend complex technical topics and specialized information.
- Communication, Oral - Ability to communicate effectively with others using the spoken word.
- Analytical Skills - Ability to use thinking and reasoning to solve a problem.
- Problem Solving - Ability to find a solution for or to deal proactively with work-related problems.
- Conceptual Thinking - Ability to think in terms of abstract ideas.
- Judgment - The ability to formulate a sound decision using the available information.
- Organized - Possessing the trait of being organized or following a systematic method of performing a task.

SKILLS & ABILITIES

Education: High School Graduate or General Education Degree (GED): Required Continuing education to learn new techniques as they emerge.

Experience: Minimum 3-5 Years programming experience required. Knowledge of electronics and machine tools. Must have experience with machinists' measuring tools.

Computer Skills:

Certifications & Licenses: Certification from accredited technical school.

Other Requirements: Must be willing to support machinists with flexible hours. Must be willing to travel as required for additional training. Perform all other duties as required by supervision.

Other Physical Requirements

- Vision (Near, Distance, Color, Peripheral, Depth)
- Sense of Sound - Normal
- Sense of Touch
- Ability to wear Personal Protective Equipment (PPE) - Safety shoes, hearing protection, eye protection

WORK ENVIRONMENT

- Time is spent in front of a computer screen keyboarding and manipulating a mouse.
- Must be willing to work in areas with high levels of noise such as plants or engineering departments.

The company has reviewed this job description to ensure that essential functions and basic duties have been included. It is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the company reserves the right to change this job description and/or assign tasks for the employee to perform, as the company may deem appropriate.