

Patterson Pump Co

CNC Programmer / Mfg. Tech

Department: Machine Department

FLSA Status: Non-Exempt

Grade/Level: 7

Job Type: Regular

Work Schedule:

Monday - Friday 7:00 to 3:30 pm May work

Saturdays when required to by the manager

Job Status: Full Time

Reports To: I. E Manager

Amount of Travel Required: None

Positions Supervised: None

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.
- Review 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 modified existing ones for increased efficiency.
- Makes improvement 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.
- Comply with established safety policies and procedures. Wear required Personal Protective Equipment as directed. Use appropriate tools designed for their specific job tasks. Provide feedback related to hazard assessments and/or accident investigations.
- Act in accordance with Patterson's Company policies (ex. Harassment, Equal Employment Opportunity, Ethics, etc.).
- Regular attendance at work is an essential function of the job.

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
Associate Degree (two year college or technical school) Preferred,
Knowledge of electronics and machine tools
Minimum 3-5 Years programming experience required.
Continuing education to learn new techniques as they emerge.
Must have experience with machinist measuring tools.

Experience: 3-5 years of experience

Computer Skills:**Certifications &
Licenses:**

Other Requirements: Be available to work overtime as required.
Perform all other duties as required by supervision.

PHYSICAL DEMANDS

N (Not Applicable) Activity is not applicable to this position.
O (Occasionally) Position requires this activity up to 33% of the time (0 - 2.5+ hrs/day)
F (Frequently) Position requires this activity from 33% - 66% of the time (2.5 - 5.5+ hrs/day)
C (Constantly) Position requires this activity more than 66% of the time (5.5+ hrs/day)

Physical Demands

Stand	F
Walk	O
Sit	O
Manually Manipulate	F
Reach Outward	O
Reach Above Shoulder	O
Climb	O
Crawl	O
Squat or Kneel	O
Bend	O
Grasp	O
Speak	O

Lift/Carry

10 lbs or less	F
11-20 lbs	F
21-50 lbs	O
51-100 lbs	N
Over 100 lbs	N

Push/Pull

12 lbs or less	F
13-25 lbs	F
26-40 lbs	O
41-100 lbs	N

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, face shield, gloves

WORK ENVIRONMENT

Manufacturing shop floor environment. Cold in winter, hot in summer.

Prepared By:	_____	Date:	_____
Approval:	_____	Date:	_____
Approval:	_____	Date:	_____
Approval:	_____	Date:	_____

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.