



POWER ENGINEERING AND MANUFACTURING, LTD.

CNC Machinist

Department: Turning and Milling Centers
FLSA Status:
Grade/Level:
Work Schedule:
2nd Shift

Job Status: Full Time
Reports To: Machining Supervisor
Amount of Travel Required: No travel required

POSITION SUMMARY

Operate computer-controlled machines to perform one or more machine functions on metal work pieces.

ESSENTIAL FUNCTIONS

Reasonable Accommodations Statement

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable Accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

Essential Functions Statement(s)

- Measure dimensions of finished workpieces to ensure conformance to specifications, using precision measuring instruments, templates, and fixtures.
- Use a part print and/or CNC program and program print for dimension specifications. Hold tolerances to plus or minus .0003 and surface finishes to 16 finish.
- Remove and replace dull cutting tools.
- Mount, install, align, and secure tools, attachments, fixtures, and workpieces on machines, using hand tools and precision measuring instruments.
- Listen to machines during operation to detect sounds such as those made by dull cutting tools or excessive vibration and adjust machines to compensate for problems.
- Adjust machine feed and speed, change cutting tools, or adjust machine controls when automatic programming is faulty or if machines malfunction.
- Stop machines to remove finished workpieces or to change tooling, setup, or workpiece placement, according to required machining sequences.
- Lift workpieces to machines manually or with hoists or cranes.
- Modify cutting programs to account for problems encountered during operation and save modified programs.
- Calculate machine speed and feed ratios and the size and position of cuts.
- Insert control instructions into machine control units to start operation.
- Input initial part dimensions into machine control panels.
- Set up and operate computer-controlled machines to perform one or more machine functions on metal or plastic workpieces.
- Review program specifications or blueprints to determine and set machine operations and sequencing, finished workpiece dimensions, or numerical control sequences.
- Monitor machine operation and control panel displays and compare readings to specifications to detect malfunctions.
- Set up future jobs while machines are operating.
- Implement changes to machine programs and enter new specifications, using computers.

- Write simple programs for computer-controlled machine tools.
- Transfer commands from servers to computer numerical control (CNC) modules, using computer network links.

POSITION QUALIFICATIONS

Competency Statement(s)

- Procedure/Standard-Oriented - Ability to perform work using departmental procedures and according to prescribed standards.
- Accuracy - Ability to perform work accurately and thoroughly.
- Ambition - The drive to achieve personal advancement.
- Conflict Resolution - Ability to deal with others in an antagonistic situation.
- Decision Making - Ability to make critical decisions while following company procedures.
- Diversity Oriented - Ability to work effectively with people regardless of their age, gender, race, ethnicity, religion, or job type.

SKILLS & ABILITIES

Education : High School Graduate or General Education Degree (GED)

Experience : Six months to one year related experience

Computer Skills

Basic Computer Knowledge

PHYSICAL DEMANDS

Physical Demands

Stand	C (Constantly)	Lift/Carry 10 lbs or less	O (Occasionally)
Walk	F (Frequently)	11-20 lbs	O (Occasionally)
Sit	N (Not Applicable)	21-50 lbs	O (Occasionally)
Handling / Fingering	C (Constantly)	51-100 lbs	N (Not Applicable)
Reach Outward	F (Frequently)	Over 100 lbs	N (Not Applicable)
Reach Above Shoulder	O (Occasionally)	Push/Pull	
Climb	N (Not Applicable)	12 lbs or less	O (Occasionally)
Crawl	N (Not Applicable)	13-25 lbs	O (Occasionally)
Squat or Kneel	O (Occasionally)	26-40 lbs	O (Occasionally)
Bend	F (Frequently)	41-100 lbs	N (Not Applicable)

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

Other Physical Requirements

Ability to wear Personal Protective Equipment (PPE) (Glasses, Footwear)

WORK ENVIRONMENT

Manufacturing Plant

Prepared by: _____ Date: _____

Approval Signature: _____ Date: _____

Approval: _____

Approval: _____
Employee Signature: _____ 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.