

Job Title: CNC Machinist
Report To: Chris Knapp

Job Summary:

The CNC Machinist is responsible for setting up, programming, and operating CNC machines to produce precision parts and components according to specifications. The machinist will inspect finished products for quality, make necessary adjustments to maintain tolerances, and ensure a safe and efficient operation of the machines.

Key Duties/Responsibilities:

Machine Setup and Operation:

Set up and operate CNC machines, including lathes and mills.
Load materials, tools, and programs into the CNC machines.
Adjust machine settings to accommodate different materials and specifications.

Programming:

Read and interpret blueprints, engineering drawings, and specifications.
Input or modify CNC program codes as necessary (using G-code and M-code) and/or Mastercam.
Make calculations for dimensions and tolerances, ensuring accurate machining.

Inspection and Quality Control:

Inspect and measure finished products using precision tools (micrometers, calipers, and gauges).
Verify parts against drawings and specifications for conformance.
Identify and troubleshoot any production issues.

Maintenance:

Perform routine machine maintenance and troubleshooting.
Replace and maintain cutting tools, jigs, and fixtures.

Documentation and Reporting:

Maintain accurate records of production and quality control.
Document any deviations or issues and communicate with the engineering team.

Safety and Compliance:

Follow safety procedures and ensure machines operate safely.
Adhere to company policies, quality standards, and industry regulations.

Qualifications:

Education: High school diploma or GED; additional technical training preferred.
Experience: 2+ years of experience as a CNC machinist or in a related field.
Technical Skills: Proficiency in CNC programming, setup, and operation. Familiarity with CAD/CAM software (e.g., Mastercam, or similar software).
Tools & Equipment: Experience using manual and CNC machines, including mills, lathes, and grinders and saws.
Analytical Skills: Ability to read blueprints, understand geometric dimensions, and tolerances (GD&T).

Preferred Skills:

Experience with multi-axis CNC machines.
Knowledge of lean manufacturing principles.
Ability to work with a variety of materials (e.g., Steel, Stainless, Aluminum).

Physical Requirements:

Ability to lift up to 50 lbs.
Prolonged periods of standing, bending, and reaching.
Use of personal protective equipment (PPE) such as safety glasses, gloves, and steel-toed boots.

Work Environment:

Manufacturing environment with exposure to machinery, noise, and airborne particles.
Fast-paced, team-oriented, and safety-conscious setting.