

CNC Programmer Job Description

Report To: Technical Director

FLSA Status: Non-Exempt

Salary Level: Hourly

Shift: Day

POSITION SUMMARY: The Computer Numerical Control (CNC) Programmer provides programming and support for Numerical Control Machines (such as lathes and mills) by creating CNC programs through CAM software if not conversationally when possible, at the machine tool in order to machine parts to customer specifications. The CNC Programmer acts as a project manager, providing technical support to team members through interpretation and analysis of data and specifications.

Essential Job Functions

Responsibilities will include but not be limited to the following:

- Create programs for CNC Machine Tools using Mastercam.
- Determine necessary cutting tools to machine and create tool lists as well as setup sheets.
- Work with tooling manufacturers to optimize programs while testing and trialing innovative tools that are available when possible, per customer project.
- Manage jobs utilizing MS Office, and communicate deliverables to team members outside of the department.
- Troubleshoot new and legacy CNC system processes, including but not limited to fixtures, tooling, and G and M code programs to support manufacturing.
- Assist in developing efficient manufacturing process plans in conjunction with manufacturing and quality personnel that specify manufacturing sequence, technique, equipment, tooling and specifications required for the product.
- Contribute to Non-Conformance Report (NCR), Root cause and corrective action resolutions.
- Participate in continuous improvement events.
- Properly interpret engineering drawings, specifications, drawings, sketches, solid models, and other documentation.
- Design holding fixtures as well as form tooling required to maximize manufacturing efficiency at minimal cost
- Ensure parts are to schedule with consistent quality to meet NWI Defense and customer requirements in most productive manner.
- Support procedures to control and standardize manufacturing processes.
- Efficient, effective, and timely response to customer engineering changes and requests.
- Support cost estimates for products, tooling, equipment, and processes for pricing and improved production.
- Work well with others as a member of a team.
- Lead others, set clear goals and establish direction.
- Maintain a clean, well-ordered work environment using 5S methodology.
- Work independently, with minimal direction.
- Use safe practices and work to maintain a safe working environment.

- Perform job duties meeting requirements of NWI Defense and customers.
- Comply with policy and procedure requirements of NWI Defense
- Use effective problem solving for job-related issues.
- Perform other duties as required or assigned by management.

QUALIFICATION REQUIREMENTS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed in this description are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Must pass all pre-employment background checks and screenings.

EDUCATION AND/OR EXPERIENCE:

- At least 5 years of CNC machining experience.
- Mastercam programming experience.
 - Demonstrated experience with multi axis programming preferred
 - Demonstrated experience with Mastercam 2022 or higher is preferred.
- SolidWorks experience is a plus.
- Demonstrated experience with Fanuc, and Siemens controls.
- Ability to read blue prints, sketches, drawings, solid models, configuration, and all documents to meet requirements of NWI and our customers.
- Professional interaction with external and internal customers / vendors
- Ability to think and act analytically
- Excellent communication skills in English, both written and oral
- Knowledge of advanced mathematics to meet requirements of job
- Engineering and manufacturing process knowledge to meet requirements of job
- Preferred Personal Qualifications which include:
 - Self-starter/self-motivated
 - Reliable and dependable
 - Positive, customer-focused attitude
 - Professional demeanor and respectful to people in all situations

NWI Defense provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.