

**Job Description:**  
**Title:** CNC Programmer



**Job Summary:** Develop and run programs to cut and shape various materials for molds and models machined at DMC. Use blueprints and 3-dimensional computer designs to create the programs which result in precisely cut products. Set up, program, and operate computer and mechanically controlled machine tools to produce metal parts, instruments, and tools in a manufacturing plant environment by performing the following duties. This is a minimal representation of what is expected of a CNC programmer.

### **Job Essential Duties and Responsibilities:**

- Monitor machine operation and be able to identify defects or malfunctions.
- Develops program language, selects tooling to match program, equipment, and job specifications.
- Program at the machine or use Cam software to create code for CNC machines.
- Maintains and adjusts (as needed) and operates (if necessary) any and all CNC Mills and turning centers.
- Responsible for processing quality work.
- Work procedures for these operations must follow standardized methods in a clearly prescribed sequence.
- Required to successfully develop, execute, and maintain all programs for CNC turning centers -- to include full "C" axis, "sub-spindle," and tooling.
- Required to be proficient with all related system hardware, software, and Siemens and EmcotroniC T1 controls, Fanuc -- including all established system protocols.
- Required to scope all tooling, and make adjustments and repairs to equipment as needed.
- Required to select raw material, speeds, feeds, coolants, tooling, and plan operational sequence on the above mentioned equipment.
- Must be able to instruct all operators on the above mentioned pieces of equipment in department 25 in regards to job standards, job sequence, job safety, efficient operational sequence, and assist Supervisor in job assignments.
- Works to close tolerances and uses precision instruments and gauges to inspect work.
- Required to maintain an appropriate, clean, and safe work environment.
- Manufacturing Process Aptitude.
- Possess the knowledge of, and ability to use, a variety of hand tools, related manufacturing equipment, measuring devices, and material handling equipment.
- Ability to make sound judgment based on consistent and objective measures. Ability to evaluate established tolerances and standards (whether descriptive or based on actual measurements).
- Make adjustments to machines as necessary
- Set up and operate a variety of machines including but not limited to lathes and auxiliary machines
- Read and understand blueprints and blueprint specifications

- Evaluate blueprints and drawings to identify correct part dimensions and tool path configurations
- Position, adjust and secure stock material against stops, or in chucks, fixtures or auto feed machines
- Read and understand control plans, routings, measurements and work instructions
- Incorporate tooling and gaging necessary to complete projects, evaluate and ensure safety procedures
- Problem-solve and exercise reasonable judgment.
- Visually be able to and have the experience to inspect parts and determine issues/solutions,
- Report problems to Department Lead
- Follow oral and written instructions and/or direction given by supervisors to complete assigned work projects
- Ability to troubleshoot problems
- Set up castings and other materials
- Make minor edits to G & M code programs.
- 3-5 years minimum experience required.
- Must be able to pass a 100-question test on programming and machine operating.
- This is not a complete list; other duties may be assigned as needed

**Requirements:**

5 years minimum experience Programming and operating CNC.

Programming with Power mill is a plus.

Must pass a test about CNC programming and operating given at interview.

Be on time and at your station ready to work when your shift starts.

**Work Environment:**

Typical manufacturing environment including loud noise levels, heat and dirt; steel-toed shoes and safety glasses are a must

**Physical Demands:**

Must be able to stand, sit and bend for long periods of time

Must be able to lift 50-75 pounds

Physical capability to properly handle tooling and safely set up large pieces