

Job Title:	CNC Machinist Programmer	Job Category:	Manufacturing
Location:	Howell	Travel Required:	No
Reports To:	Team Leader	Position Type:	Full Time
Company Supporting:	AA Gear & Manufacturing		REV A- 7/6/15

Job Description

Under direct supervision, is responsible for program, set up, operate and adjust controls on CNC lathes in accordance with engineering specifications, production drawings, production procedures, and oral instructions including (but not restricted to):

Role and Responsibilities

- Program and operate computer controlled machines for the machining of components.
- Follow written and verbal work instructions accurately. Properly interpret work instructions such as routings, process sheets, operation sketches, and process procedures. Clearly understand all instructions prior to proceeding with work. Communicate frequently with other employees regarding work instructions.
- Inspect work for completion and quality.
- Participate in problem-solving and continuous improvement efforts. This position requires communication with engineers, training coordinator, and other machinists to improve skill sets.
- Responsible to plan and program for the most efficient and consistent performance of the machine tool.
- Responsible to evaluate Operation Sketches, Process Sheets, and engineering drawings to determine part dimensions and tool path configurations.
- Responsible to locate position of components on machining fixtures, machine start position based on tool set point and cutter change points for three-dimensional coordinates.
- Work from engineering drawings to plan, number, locate and direct the tool path.
- Catalog and control program back-up procedure with the quality department.
- Develop and control new product programming procedures. For program development, this involves test running a first piece and first piece inspection thru program revisions.
- Responsible to incorporate all tooling and gaging necessary to complete projects.
- Complete all paperwork necessary to meet quality and manufacturing requirements.
- Responsible to assist maintenance in the planning and coordination of preventative maintenance schedules for our CNC equipment.
- Evaluate tooling requirements and calculate appropriate speeds and feeds for materials.
- Comply with and incorporate all safety procedures needed to ensure the safety of the operators.
- Performs other duties as assigned.

Education/Experience

- Must have a high school diploma or a GED and,
 - Ability to set up and machine the first part to blueprint specifications for first article inspection;
 - Minimum 3-5 years on the job experience and training
 - Be proficient in the programming and operation of CNC machines using G & M codes.
 - Ability to identify and correct machining flaws.
 - Considerable knowledge of the methods and techniques for operating CNC Lathes and related hand tools and equipment;
 - Knowledge of safe equipment operating procedures and work practices;
 - Knowledge of proper fluid levels and coolant recovery, skill in setting up, and maintenance procedures;
 - Ability to check machined parts for conformity with work specifications and quality standards;
 - Ability to read and interpret production blueprints and specifications, operating procedures, and machine parts listings;
 - Ability to communicate and work cooperatively with others;
 - Familiarity with machine shop environment, machining processes and basic equipment
 - Ability to use precision measuring instruments and inspect parts per drawing.
- Ability to ensure efficient operation of equipment and hand tools.