

**CUTTING EDGE TECHNOLOGIES, LLC**

Job Description Form

JOB TITLE: **CNC Programmer**  
DEPARTMENT: **CNC Programming, Reports to Programming Manager**  
EFFECTIVE DATE: **May 5, 2022**

**Job Description:**

CNC Programmers use computer aided manufacturing (CAM) software to generate toolpath and NC programs to manufacture parts from customer supplied engineering and design requirements.

**Responsibilities:**

- Review customer supplied engineering and devise cutting strategy to manufacture parts efficiently and repeatably
- Work with CAD designer and tooling designer to design holding fixtures as needed for manufacturing
- Generate safe, efficient toolpath to optimize cycle time, tool life, and machine and operator safety
- Review NC code and programs to ensure accuracy and safety prior to customer submittal
- Create detailed setup and in-process inspection documentation for operator/machinist use
- Work with customers to troubleshoot programs and toolpath when issues arise at the machine

CNC programmers report to the CNC Programming Manager. They use various CAD/CAM software programs such as Esprit, Catia, SolidWorks, etc. to generate tool designs and toolpath for manufacturing needs on CNC mills and lathes.

**Knowledge and Skill Requirements:**

- Proficient reading, writing and arithmetic skills including geometry and trigonometry
- Proficient in general Office programs including Excel, Word, Outlook, etc.
- Proficient in Esprit, Catia or other CAM systems used by CET
- In depth knowledge of tool holding, work holding, speeds and feeds for various tool and workpiece materials
- Advanced knowledge of modern machining strategies and techniques
- Thorough understanding of blueprint reading and GD&T interpretation
- Must be able to troubleshoot programming or setup issues with customers to eliminate machining issues such as chatter, repeatability, crashes, or tool life issues
- Strong written and verbal communications skills with coworkers and customers through conversations, e-mails, or written work instructions

The working conditions are generally normal for an office environment. Work will occasionally require travelling on-site to a customer's location. Visiting an on-site or customer's manufacturing environment requires the use of certain specific safety equipment which may include, but not be limited to, eye safety glasses and hearing protection.

**Approvals:**

Management: 

Date: 5/5/2022