

**CUTTING EDGE TECHNOLOGIES, LLC**

Job Description Form

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

**Job Description:**

CMM Programmers use computer aided inspection software such as PC-DMIS to generate CMM toolpath and inspection programs to inspect parts from customer supplied engineering and design requirements.

**Responsibilities:**

- Review customer supplied engineering and devise probing strategy to inspect parts efficiently and repeatably
- Work with CAD designer and tooling designer to design holding fixtures as needed for inspection
- Generate safe, efficient toolpath to optimize cycle time, accuracy, and machine and operator safety
- Review programs to ensure accuracy and safety prior to customer submittal
- Create detailed setup instructions for the CMM operators to follow
- Work with customers to troubleshoot programs and CMM reports when issues arise at the machine

CMM programmers report to the Programming Manager. They use various CAD/CAM software programs such as PC-DMIS or Calypso to generate inspection programs for use in CMM inspection of manufactured parts.

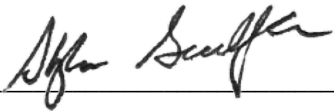
**Knowledge and Skill Requirements:**

- Proficient reading, writing and arithmetic skills including geometry and trigonometry
- Proficient in general Office programs including Excel, Word, Outlook, etc.
- Proficient in PC-DMIS, Calypso or other CAD/CAM systems used by CET
- In depth knowledge of CMM probing systems, work holding and probing techniques
- Thorough understanding of blueprint reading and GD&T interpretation
- Must be able to troubleshoot programming or setup issues with customers or help them to understand CMM report interpretation
- Strong written and verbal communications skills with coworkers and customers through conversations, e-mail or written work instructions

The working conditions are normal for an office environment. Work will occasionally require travelling on-site to a customer's location. Visiting a 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