



## **CAD Tooling Designer & CNC Operator**

Reports to: Tooling Department Manager  
Date: 2/10/17

Division: Auburn Hills  
Approved: Jerry Kuhn

### **JOB SUMMARY:**

The CAD designer is responsible to translate customer data and design tooling/fixture concepts for quoting or production manufacturing purposes. The CAD designer will be responsible to work within WorkNC Cad or Solidworks software and must have knowledge in designing models, check fixtures, and secondary tooling.

### **ESSENTIAL FUNCTIONS:**

- Work effectively with internal team members & customers on all applicable design stages of the projects.
- Set up jobs on the vertical mill, creating cutter paths required for cutting, and operating the mill to cut the job using WorkNC software and a Tarus Vertical mill.
- Must have ability to develop cad models and detail drawings.
- Type of tools designs include: Tube gages, visual tolerance check fixtures, laser, router, & waterjet cutting fixtures, & surface models.
- Work with Project Management to assure tooling designs are accurate for the project requirements and released on a timely basis.
- Educating others within the department on the proper status of active projects.
- Program, setup, and troubleshoot CNC programs.
- Other assignments as required by the Tooling Department Manager.

### **JOB REQUIREMENTS:**

- Able to interface well with the customer & internal personnel at various levels.
- Self motivated and driven to meet challenging goals.
- Excellent written and oral communication skills desirable.
- Knowledge of Microsoft Word, Excel, Outlook, & Powerpoint required.
- Willingness to travel, mainly domestically.
- Travel to/from Canada and Mexico with valid passport preferred.
- Must be able to read & thoroughly understand GD&T.
- SolidWorks & Work NC Cam Software Experience required.
- Tarus CNC programming, setup, & operations experience required.
- Ability to program CMM machine, measure tools, and produce data reports.

### **Employee Acknowledgment:**

**I acknowledge receiving a copy of my job description and I have discussed my duties with my immediate supervisor. I agree with the document as written.**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_