



Job Description

Job Title: Drafting – 3D Model & Part Detail
Reports To: Chief Engineer or Team leader

Summary: Modeling mechanical components and assemblies in 3D environment and create detail drawings for machining and/or fabrication.

Preferred Qualifications:

- Mechanical Aptitude - Understanding / basic knowledge of mechanical components and functions
- Analytical Thinker - Ability to analyze and arrive at reasonable, logical solutions
- Professional Character
- Familiarity with machining tooling (mills, lathes, bars, fabrication/welding, drilling, tapping, etc)
- Understanding of mechanical tolerance standards for proper part detailing
- Desire to be a contributing member of a design team.
- Ability to work independently **and** as part of a team.
- Excellent computer skills

Essential Duties and Responsibilities

- Create detail parts from 3D model with proper mechanical tolerances
- Assign drawing numbers to assemblies and detail parts
- Create Bill of Materials
- Interact with controls engineering, sales, purchasing, shop and outside vendors
- Make corrections as per Chief Engineer or team leader instructions
- Good Basic math skills
- Other duties may be assigned

Computer Skills:

- Current design software is Autodesk products (Inventor)
- Word & Excel

Education:

- Certificate from college or technical school; or three to six months related experience and/or training; or equivalent combination of education and experience