

## Design Engineer

Responsible for product development through improvements in a diverse product base. Create 3D and 2D models and drawings for products, including manufactured and purchased components. Maximize product durability within costs using modeling software, spreadsheets, and hand calculations as applicable. Maintain drawings, routings, and manufacturing data in ERP system as well as electronic and hard copies as applicable.

Essential Duties and Responsibilities include the following:

- Use Inventor software to prepare accurate 3D part models, assemblies, and drawings.
- Use AutoCad software to prepare 2D accurate layout drawings, orthographic drawings and pictorial drawings.
- Use programs such as Microsoft Word and Excel for product configuration and general documentation.
- Use measuring instruments, like calipers, to assess dimensional conformance to print.
- Establish costs including labor, materials, packaging, and tooling requirements.
- Inspect technical data for accuracy, while procuring and assessing of test information .
- Design welding fixtures, and other tooling, as may be required for manufacturing quality or efficiency
- Participate in process improvement & quality investigations and document changes in Engineering Change Notification (ECN) process.
- Maintain accurate and complete project records (files) as well as an organized project schedule.
- Must be able to keep several assigned projects visible and active at one time and must account for progress.
- Must model products so they may be made in the most efficient manor with equipment available.
- Must communicate effectively with inside and outside resources as needed to complete assigned projects in a timely manner.
- Must be willing to learn and work with all phases of a design project including research, tolerance evaluation, proto-type assembly and installation,
- Must continuously exercise discretion and good judgment while performing all job related functions.
- May travel by ground or air, alone or with others, to customer locations and trade shows to better understand product application, performance and user needs.

Additional Responsibilities:

First response IT support, including hardware and software updates as well as troubleshooting. Solutions to be applied in person when possible; other issues to be effectively communicated to outside vendors.

Other duties as may be assigned.

Salary is negotiable based on experience.