

Associate Mechanical Designer

SUMMARY:

Perform non-supervisory modeling, design, and drafting of products and modified components in accordance with engineering standards and project scope.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Check work to ensure accuracy and organization, dimension and tolerance convention, and conformance with established CAD specifications and standards.
- Provide technical assistance for prototype and production support
- Maintain effective communication with suppliers, internal and external customers, and outside resources concerning technical issues
- Evaluate designs for performance, safety, and reliability
- Use computer-aided drafting systems to create 3D and 2D layouts, drawings, specifications, and bills of material
- Perform job duties in an ethical, professional manner which is consistent with the company policy. Conduct duties consistent with the company's mission statement, quality objectives, and defined policies and procedures
- Ensure compliance with applicable company and client quality requirements in all assigned programs, functions, products, and areas.
- Capable of completing design tasks based on knowledge of the product parameters or design requirements and with minimal involvement of the project engineer.
- Applies knowledge of manufacturing, tolerancing, and producibility capabilities during the design process to ensure cost effective design.
- Assists engineering in determining and employing proper specifications for materials, finishes and processes, connectors, or other electrical components, etc. during the design process.
- Understands the CAD and data management tools to enable completion of design tasks.

BASIC QUALIFICATIONS:

- 2-year technical degree or equivalent
- 1-plus years related experience
- Experience with a high-level cad system

PREFERRED QUALIFICATIONS:

- Experience with drafting standards and GD&T
- Vehicle design experience
- Knowledge of manufacturing process and procedures
- Strong verbal presentation and written communication skills
- Excellent time management and organizational skills