

Job Title: Mechanical Design Drafter

Location: Charlotte, NC

Responsibilities

- Under minimal supervision, generate complex mechanical models and drawings.
- Maintain integrity of Solidworks PDM Vault.
- Conducts feasibility studies and testing on new and modified designs.
- Generate stress and flow simulations using SolidWorks Simulation and/or SolidWorks Flow Simulation.
- Analyze new and existing designs to optimize design efficiency, safety, quality and cost effectiveness
- Supports manufacturing in the development of processes and procedures to manufacture the products in accordance with design requirements and intended use.
- Support resolutions to manufacturing issues including root cause analysis and problem resolution
- Be part of creating exceptional, innovative, and commercially successful products.
- Enhance professional and respectful collaboration with the whole development team.

Required Qualifications

- SolidWorks 3D Modeling, mid to advanced user (CSWP Preferred).
- Experience working in a PDM Environment.
- Ability to efficiently document mechanical assemblies, prints, and BOM creation.
- Familiar with design tables or multiple configurations.
- Experience creating and maintaining design libraries.
- Performing ECO's and Model/Drawing Changes.

Preferred Qualifications

- Experience working in Solidworks Simulation.
- Experience working in Solidworks Flow Simulation.
- Experience working in COMSOL.
- Possess sound knowledge of engineering principles, and manufacturing processes.
- Plastic component design for a variety of manufacturing methods.

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