



**Job Title:** Mechanical Engineer

**Department:** Engineering

**Reports To:** Manager

**Job Description:**

Design and oversee the development, installation, and operation of machines, equipment or systems taking into account cost, availability of materials, strength and maintenance requirements, safety and manufacturability, appearance and impact on the user and on the environment.

**Job Function:**

- Performs engineering assignments with objectives and involves conventional types of plans and specifications.
- Performs design calculations and prepares equipment and/or material specifications.
- Ability to perform designs using Autocad, SolidWorks, and Simulation (FEA) software.
- Assignments require the investigation of a limited number of variables and supervisory assistance is provided on unusual problems.
- May co-ordinate the work of designers and other technical support personnel.
- Set up work control systems, e.g. testing of equipment to make sure those standards of performance, quality, cost and safety are met.
- Provides production support.
- Reviews product design for compliance with engineering principles, company standards, and customer contract requirements, and related specifications.
- Coordinates activities concerned with technical developments, scheduling, and resolving engineering design and test problems.
- Handles Material Review Board responsibilities for Product Engineering.

**Preferred Experience:**

- MRP-ERP knowledge preferred.
- Should be familiar with the automotive industry, truck up fitting or trailer industry.
- Should be familiar with structural welding and weld symbols.
- Electrical and automotive experience.
- Sheet metal design and fabrication experience.
- Trailer Structural Design Experience

**Preferred Knowledge and Skills:**

- Bachelors Degree in Mechanical Engineering.
- Must be willing to adhere to safety requirements.
- Must be able to identify, analyze and solve problems.
- Must have good oral and written communication skills.
- Must be able to accept responsibility.

**Mathematical Skills:**

- May occasionally use calculus and differential equations.
- Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry.
- Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

**Special Requirements:**

Must have initiative. Will work independently and as part of a team. Must possess a strong desire to learn. Candidate must enjoy computing and technical design and be practical and creative.

**Will be required to perform other duties as requested, directed or assigned**