

## **OBJECTIVES OF POSITION:**

Under guidance of the Director of Engineering, the Mechanical Design Engineer will design new products using Mechanical Engineering principles.

## **DUTIES/RESPONSIBILITIES**

- Work directly with Engineering Managers to create new product(s) identified by a new product introduction team, or to sustain existing product lines.
- Work with Sales and Marketing to identify new product development opportunities.
- Utilize Solidworks modeling software on a daily basis to develop new designs and create detailed drawings.
- Conduct various design reviews (conceptual, preliminary, DFM and final) with Sales and Operations personnel.
- Develop and adhere to project timelines.
- Work independently or with a team.
- Work directly with R&D lab personnel to create and test prototypes, develop weld fixtures, and define procedures.
- Work with Operations personnel and Manufacturing Engineering to resolve product fit, form, or finish issues.
- Prepare and support any technical documents, installation manuals, and operational manuals.
- Assist customer support representatives, service/warranty, and dealers with customer issues.
- Work with Manufacturing Engineering and Operations to identify any possible quality improvements, cost reduction measures, and practices to improve efficiencies.
- Work with Purchasing personnel to specify and source any new design components.
- Implement and support any product improvements with an ECR/ECN procedure.
- Research and evaluate new engineering technologies within the industry.
- Travel as needed for testing, product support, and trade shows.

## **QUALIFICATIONS/EXPERIENCE**

- Bachelor's degree in Mechanical Engineering required
- Minimum of 1 completed internship required
- Project management experience required
- Strong communication skills required
- Proficiency with Microsoft Office products required
- Experience in electro-mechanical design, hydraulics, power transmission and/or PLC controls is preferred
- Agricultural background preferred
- Working knowledge of an ERP system preferred
- Solidworks modeling experience preferred