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MCGREGOR, MN 55760
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Job Title: Mechanical Engineer
Department: Engineering
Reports To: Engineering Manager
FLSA Status: Exempt
Prepared Date: May 2026

Summary: The **Mechanical Engineer** will utilize fundamental engineering skills and disciplines to create detailed system models, drawings and assemblies for the development of new FLOE products and the maintenance of existing product or custom applications using Solidworks 3D CAD software.

Essential Responsibilities:

- Reinforce and promote all FLOE Core Values in daily interactions with coworkers and customers.
- Actively apply and practice fundamental engineering skills furthering the effectiveness and proficiency of the Design Engineering Department.
- Create detailed models and drawings following proper drafting and dimensioning processes, and meeting design specifications.
- Engage with R&D technicians and fabricators to create prototypes for concept validation and functional testing.
- Evaluate Engineering data, under the supervision of Engineering Manager or other senior personnel, to ensure successful progression and completion of assignments.
- Responsible for the creation and maintenance of accurate and reliable project data.
- Prepare written reports, professional plans and specifications for product lines or custom applications.
- Interact with Manufacturing Engineers and Manufacturing Personnel to facilitate DFM discussions and complete development phase.
- Work effectively with staff, Supervision, and Management to resolve design issues and determine needs of customer.
- Participates in Lean Enterprise continuous improvement efforts.
- Responsible for the creation and maintenance of Engineering Bill of Materials for new and existing product lines.
- Maintain focus on continuous improvement efforts and research of new materials, equipment and processes to further advance design robustness, product integrity and user experience.

Education/Experience:

- Bachelor's Degree in Mechanical Engineering with 0-3 years of design experience, or a minimum of 3 years of design experience in a related discipline with proven, quantifiable results.
- Knowledge of engineering principles and ability to apply principles to projects.
- Knowledge of engineering change control, product design & prototyping processes.
- Knowledge of Engineering Bill of Materials.
- Knowledge of and ability to utilize basic GD&T principles.
- Working knowledge of 3D CAD systems, experience with Solidworks preferred.
- Excellent oral and written communication skills.
- Proficiency with Windows and Microsoft Office Suite. (Outlook, Excel, Word, PowerPoint, Visio).
- Ability to be a self-starter and to complete objectives with minimal supervision.
- A working knowledge of Lean Manufacturing concepts.

Work Environment:

- In this position you will be required to sit, stand, kneel, twist, climb.
- You may be required to lift up to 50 pounds.
- The noise level in the work environment is usually moderate.

FLOE International reserves the right to make changes to this job description without notice, as required to meet changing organizational and production needs.