

POSITION: Mechanical Engineer
LOCATION: Houghton, Michigan
CLASSIFICATION: Exempt
REPORTS TO: Vice President of Engineering

Position Description

The Mechanical Engineer will have a strong impact on the design and quality of products produced by Somero®. The creativity of the individual must lend itself to the needs of the customer by designing systems that help solve problems and are a value-add for customers. The ability to process vague, abstract verbal and written instructions will help the individual participate in the creation of equipment design for construction work.

Principal Accountabilities

- Research and development activities to help prove out existing prototype activity
- Participate as a member of cross-functional teams for product development/improvement
- Interface with vendors to keep current with new technology
- Manage all aspects of a project including budget, timelines, organize meetings and notes
- Perform Solid Modeling, Computer Aided Design (CAD) drafting and detailing for design of equipment with Geometric Dimensioning and Tolerancing (GD &T)
- Perform engineering calculations for strength requirements
- Perform finite element analysis calculations
- Provide documentation to Technical Publications for generating manuals
- Assist with manufacturing processes when necessary
- Assist Customer Support with machine troubleshooting
- Create common machine operation concepts
- Work closely with outside engineering consulting firms and manage contracts as necessary
- Design and layout test fixtures and procedures
- Follow all International Organization for Standardization (ISO) Company policies and procedures
- Work safely in a manufacturing and office environment and follow all company safety policies and procedures

Attributes

- Strong technical, written, verbal and organizational skills
- Operate effectively independently in a detail-oriented environment
- Ability to solve practical problems and deal with a variety of variables in situations where only limited standardization exists
- Ability to interpret a variety of instructions furnished in written, oral, diagram or schedule form
- Desire and ability to fabricate and assemble prototypes for rapid product development
- Ability to interpret and visualize abstract ideas and develop structured plans for implementation of equipment design
- Able to recognize when a course of action is no longer viable and steer teams to avoid pitfalls as required
- Self-motivated and capable of identifying areas where process improvements are needed
- Flexible and maintain a positive attitude in high-pressure situations
- Willing to change focus quickly in order to meet business needs
- Comfortable and capable of implementing a customer-focused process

Education/Experience

- Bachelor of Science in Mechanical Engineering (BSME) and/or equivalent required
- Design and product development experience and/or equivalent required



- 3D Modeling experience required; Solidworks experience preferred
- Concrete and/or construction experience preferred
- Hydraulic experience preferred

Working Conditions

- Frequently remain in a stationary position such as sitting or standing for prolonged periods of time
- Occasionally lift up to 50 pounds while following appropriate safety procedures
- Occasionally stoop, kneel, crouch, crawl and climb
- Ability to work in different environmental working conditions (e.g. heat, cold, wind, rain)
- Ability to work extended hours as business needs dictate
- Periodic overnight travel required including occasionally attending off-site meetings or training requiring travel for extended periods up to one week

Job Description Acknowledgement: I have received, reviewed and discussed any questions I may have had about this job description prior to signing this form.

Printed Name: _____

Signature: _____

Date: _____