

## Job Description

Title: **Chief Engineer – Thermal Engineering Dept.**

Reports to: **Chief Operating Officer**

### GENERAL DESCRIPTION

Involved with the development or improvement of products or designs. Work may include creation of previously non-existent products or modification of existing products, including product line extensions. Work includes selection and testing of materials or components that will be suitable for the end product. Work may include responding to a customer request for a particular product or design. The typical cycle includes conceptualizing, developing prototypes, testing and perfecting designs. May assist sales personnel in customer visits, shop personnel in working through manufacturing details, or field service personnel on site.

### PRIMARY RESPONSIBILITIES

- Departmental scheduling of existing projects, R&D projects, and parts/service projects requiring engineering.
- Product range primarily includes products which support heating and cooling of baked products for the Food Processing Industry and also products which support temperature control of chemicals used in the RIM (Reaction Injection Molding) Industry.
- This is a “working engineer” position at this time due to company size, but a position that will potentially grow into more of a managerial position as the department and company grows.
- Analyze equipment specifications and performance requirements to determine designs which can be produced by the manufacturing department.
- Provide technical information concerning manufacturing techniques, materials and properties for equipment designs.
- Design equipment layouts and detailed drawings.
- Compile and analyze data to establish performance standards for newly designed or modified equipment.
- Prepare design modifications and initiate engineering change orders as required.
- Prepare and issue Bills of Material and purchase requisitions to the appropriate departments.
- Prepare operator and maintenance manuals for machinery and systems, and equipment spares lists for same machinery and systems.
- Coordinate with Electrical Engineering for specification of devices and communication of machinery functions.
- Ensure that machine design complies with safety and design standards used for the industry.
- Must be willing to travel for sales assistance and field service needs as required. Typically these will be short length (less than a week) trips, but on rare occasion they could be extended trips if a problem arises on site which takes engineering support to identify and rectify.
- Other duties as assigned.

### EDUCATION

- Bachelor of Science (B.S.) in one of the Engineering disciplines.

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### EXPERIENCE

- 5+ years of direct industry experience (preferred)

### KNOWLEDGE AND SKILL REQUIREMENTS

- Proficient Microsoft Office Suite.
- Proficient in Microsoft Project.
- Proficient in SolidWorks
- Proficient in AutoCAD
- 3+ years CAD Experience
- Parametric design/ 2-D & 3-D experience
- Excellent problem solving.
- Detail Oriented.
- Must be able to manage multiple priorities and meet deadlines simultaneously.
- Possess excellent communication (written, verbal) skills, a collaborative attitude and the ability to work effectively in a team environment.
- Must have a broad knowledge of manufacturing processes with problem-solving skills, ability to work independently, set priorities, work under pressure, adapt to demanding situations and meet deadlines.