

JOB DESCRIPTION – PRODUCT DESIGN ENGINEER

Job Title – Product Design Engineer

Job Profile and Description – Duties of this position are focused to ensure that the products designed, tested and manufactured meet and or exceed the expectations of our customers, industry, regulatory agencies and legal compliance where applicable. Cross departmental relationships include but are not limited to technical service, production assembly, fabrication, sales/marketing, customer service, accounting and purchasing. Must be able to self-manage and effectively prioritize multiple project schedules and timelines in parallel while handling/responding to daily tasks.

Responsibilities

Product Ownership – take projects from concept stage through finished good production and sales. The design engineer takes full ownership of the projects assigned. This includes but not limited to the following stages of the design and development process, it is the engineer's responsibility to ensure all criteria is met and all parties are informed and engaged throughout the process to meet the target milestones and project timelines.

- Design intent, after market data package is presented, set project scope and initial development schedule
- Concept drawings
- Piece part drawings and programming as needed
- Electrical schematics, wiring diagrams, wire cut lists
- Product costing and price estimates
- Agency and compliance certification, process assistance
- Test & performance parameters, fixturing, safety, inspection and QA documentation
- Sales and service training, parts lists, exploded views, operations manuals and specification sheets
- Combining all the above and driving them to a timeline, developing and successfully executing a design

Skills and Specifications

- Degree in Mechanical Engineering or equivalent experience.
- Organizing, planning and problem solving
- Strong Knowledge of agency certification and standards specific to foodservice safety and sanitation. ETL, UL, NSF, Energy Star & international standards
- Familiar with common engineering procedures. BOM, ECN and MRP processes
- Good interpersonal, written and communication skills



- Ability to work within a team environment
- Statistical and numeric calculation proficiency
- Proficient with MS office, Word, Excel, PowerPoint and Solidworks
- Experience implementing and developing testing protocol, specifically involving agency standards.

Classification – Salary

Reporting to – Engineering Director or VP Operations