

Job Title: Design Engineer - Carmi 1309

Report To: Engineering Manager - Carmi 1309

Department: Engineering

Summary: To improve existing products and develop new products

Essential Duties and Responsibilities:

- Develop new products and improve existing products following the CIT procedure.
- Create/update required paperwork such as picking sheets, instructions, purchase requisitions, and stock item adjustments
- Consult with Engineering and other personnel regarding product information such as design, capacity and purpose, and types of materials to be used for fabrication.
- Operate standard and specialized equipment to create prototype parts
- Test prototypes under simulated operating conditions for such purposes as development, standardization, and feasibility of design.
- To research potential new products
- Create jigs for new and existing products
- Perform Preventive Maintenance on equipment used/located in R&D Department
- Improve Fabrication and Assembly processes

Other Responsibilities: Any other duties required by management or supervision.

Education and/or experience: Engineering degree and two years related manufacturing experience and/or training; or equivalent combination of education and experience.

Language skills: This job requires the ability to read and interpret documents such as safety rules, operating and maintenance instructions, shop drawings, and procedure manuals. This job requires the ability to write routine reports and correspondence. This job requires the ability to speak before groups of customers or employees of the organization.

Mathematical Skills: This job requires the ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume. This job requires the ability to apply concepts of basic algebra and geometry.

Reasoning ability: This job requires the ability to apply common sense understanding to carry out instructions in written, oral, pictorial, or diagram form.

Computer skills: This job requires the individual to have general computer knowledge, as well as, knowledge in Microsoft Office suite and CAD.

Physical demands: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The employee is regularly required to talk and hear. The employee is regularly required to stand and/or walk on concrete. The employee is occasionally required to lift and/or move up to 50 pounds. The employee is occasionally required to stoop and/or squat repeatedly or bend over and reach into a box repeated throughout the workday. The employee is occasionally required to use hands to finger, handle, or feel and reach with arm and hands.

Work environment: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work involves moderate exposure to unusual elements, such as extreme temperatures, dirt, dust, fumes, smoke, unpleasant odors, and/or loud noise. Some exposure to hazards or physical risks, which require basic safety precautions, can be expected.

While performing the duties of this job, the employee is exposed to moving mechanical parts. The employee is occasionally exposed to vibration. The noise level is usually moderate. While performing the duties of this job, the employee could be exposed fumes, fire, or airborne particles.