

Why ROHO?

Seeking the Next Source of Innovators

Founded nearly 39 years ago, The ROHO Group is a U.S. manufacturer and worldwide distributor of ROHO® branded seating and support surface products, supporting more than 250 employees from our Belleville, IL headquarters. Today, the technology is used in many medical and consumer applications. Built on the simple genius of DRY FLOATATION®, first with wheelchair cushions and now with a full line of shape fitting products, ROHO has been the leading pioneer in this field since 1973. Here at ROHO we have a tremendous sense of pride in what we do because we are improving the quality of life for individuals who rely on our products, services and education.

The ROHO Group is seeking to expand its product development department with new innovators to develop and grow new market segments that will further improve the quality of life for individuals.

Come experience life on a ROHO.

Position Title: Principal Product Development Engineer
Supervisor: Director, Product Development
Department: Product Development
Location: ROHO West, 1501 S. 74th St. Belleville, IL 62223
Salary Range: 90k-93k

General Purpose of Job:

Responsible to lead in the design, development, integration, test and implementation to manufacturing of highly reliable, cost effective products and electro mechanical devices which can be used by our customers world-wide. This principal engineer role maintains a global focus to ensure the product design and manufacturing processes are optimized for quality, reliability, Design For Manufacturability and low cost. This principal engineer manages new product development projects and project teams, works with those team members to identify product design requirements, ensures the new product meets the product design requirements specification, verifies the product design by performing bench and field testing and performs a pre-production run to ensure the product is ready for production.

Essential Duties and Responsibilities:

- Manages the product development project by providing the following project planning – schedule with milestones and action items with due dates.
- Manages the development of the product design requirement specification used to describe the product with design, performance and test requirements and defines regulatory and quality standards.
- Uses engineering principles and techniques to research, design, analyze and test new product designs, technologies, materials and prototypes during product development.
- Builds product bench top models for proof of principle.
- Prepares a Design FMEA describing the product function and/or operation, listing the possible hazards and methods of risk reduction.
- Defines the product design test requirements and specifications, prepares a test plan and provides test equipment for testing the new product design.
- Provides the product design verification and test reports based on the test requirements and specifications listed in the product design requirement specification.

- Performs a pre-production run working with manufacturing, quality and purchasing to ensure the product design meets the product design requirement specification and can be economically produced in production.
- Researches design options and performs experiments to determine potential design feasibility or application. Responsible for design/development activities which may include leading, participating in, coordinating or supporting: concept, planning, design and execution stages.
- Assists in the creation and release of Product Requirements, Design Specifications, and Design Descriptions for assigned designs, applicable standards and procedures. Responsible for recording and sharing technical knowledge gained with colleagues.
- Reviews product documentation for accuracy including documentation intended for customer use.
- Evaluates product non-conformances and recommend design modifications.
- Mentors other engineers and designers.

Education and Experience

- Bachelor's Degree in Mechanical Engineering, Electrical Engineering or Biomedical Engineering, and minimum five years related experience and/or training or equivalent combination of education and experience developing electromechanical products.
- Advanced degree preferred.
- Knowledge of electronics/electrical design.
- Experience with designing and prototyping basic circuitry.
- Experience with basic electronics equipment.
- Some knowledge of mechanical design a plus.
- 8-10 years experience managing cross-functional projects in regulated environments.
- Strong project management skill set required.
- Project management certification preferred.
- Six Sigma, Black Belt certification desired.
- Familiarity with essential requirements of the Medical Device Directive (MDD), ISO 13485, FDA design controls or similar regulatory environment.

The ROHO Group is an Equal Opportunity Employer and we take seriously the responsibility of hiring a diverse and talented workforce. M/F/D/V.