



MECHANICAL DESIGN ENGINEER

ABOUT US:

Smartrend Supply Ltd., established in 2004, is a leading manufacturer of customer-specific components and assemblies for transportation and general industrial applications. In 2018, First Light Safety Products was created as a subsidiary of Smartrend Supply Ltd. First Light, an innovative and progressive organization, incorporates LED technology into essential safety indicators to improve the visibility of school buses, thus increasing the safety of drivers and passengers of buses and other motor vehicles. Both organizations share a 29,000 sq ft, state of the art manufacturing facility.

SUMMARY:

The **Mechanical Design Engineer** is a methodical, detailed oriented, and creative professional that will be responsible for creating engineering designs within specific growth markets for the company. The successful candidate will be engaged in analysis, conceptual design, and development of various parts, components and assemblies for our diverse customer base using traditional tools and new technologies to assist throughout the product development life cycle.

Detailed Duties and Responsibilities:

- Create engineering designs of mechanical assemblies using Solid Works CAD software.
- Engage in new product development activities that are in line with the company's strategy.
- Define product test requirements and support test execution
- Prepare technical drawings of components and assemblies.
- Work with suppliers to support product procurement and open engineering issues.
- Perform initial and ongoing design and technical reviews.
- Assist in managing drawing database.
- Complete pre-RFQ and PPAP tech reviews.
- Conduct market research, as necessary.
- Other engineering related activities as required.

Knowledge, Skills, and Abilities Required:

- Education: BS Degree in Mechanical Engineering.
- Minimum 5 years of related engineering experience.
- Possess creativity for product development.
- General familiarity of Geometric Dimensioning & Tolerancing (GD&T).
- Computer knowledge and skills with Microsoft Word, Excel, PowerPoint, and Solid Works or similar CAD software.
- Ability to prioritize and manage multiple projects simultaneously.
- Project management skills is an asset.
- General knowledge of various materials and properties used in processes such as plastics, metal fabrication, rubber, castings, stampings, etc.

Smartrend Manufacturing Group

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First Light Safety Products

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- Work well under pressure and under tight timelines.
- High level of organizational skills, detail oriented, and analytical.
- Must possess excellent communication skills to collaborate with customers and multiple-disciplinary teams.
- An energetic, diligent work ethic and able to work with little supervision.
- Able to travel within Canada, the USA, and internationally, as required.
- Must have valid driver's license.

Share with us your talent, drive, and entrepreneurial spirit and we will provide a creative and supportive environment, where valuable contributions are rewarded and celebrated with professional growth, job satisfaction, and an attractive total compensation program. We offer a benefits package to our employees including:

- Group Insurance Plan
- Paid Vacations

We would like to thank all applicants who apply, however, only those selected for an interview will be contacted.