

POSITION TITLE: Intermediate/ Senior Mechanical Designer
LOCATION: Waterloo, Ontario, Canada
DURATION: Full-time
SALARY: TBD
BENEFITS: Medical Insurance, Dental Insurance, Vision Insurance & Life Insurance RRSP, DPSP, Profit Shares, Out of Country Insurance, Employee Wellness, Critical Illness.

COMPANY BACKGROUND:

Septimatech delivers productivity improvements for packaging lines and machines worldwide. We manufacture innovative, precision engineered solutions that provide repeatable, accurate adjustment for intuitive setup, operations, and maintenance.

Septimatech Group Inc. is ISO 9001:2015 Registered and, for over a quarter century, has had experiences of working with more than 300 types of packaging machines in personal care, home and fabric care, beverage, pharmaceutical and chemical industries. We are experts in overcoming challenges that threaten up-time, throughput, product handling and overall line performance.

DESCRIPTION:

We are looking for an individual to join our Design Team and be apart of Continuous Improvement of our Main Product Lines, engage in our technical innovation and development of key product lines. Primarily focused on product development for the packaging industry. Individual must be knowledgeable in several engineering disciplines, present new and innovative concepts and to develop these concepts into viable industry products. **This position will require the responsibility at minimum an Intermediate role.**

For the most part, must work in an office environment in front of a computer monitor. Will be required to work in either a manufacturing/machining facility and or consumer product processing facility. Individual must be willing and able to work in and around machines and equipment.

Must be willing and able to travel both nationally and internationally, be able to obtain and drive rental cars and must be able to obtain credit card for business related travel. **Posses or be able to obtain a passport.**

SKILLS:

- The candidate must possess either a certificate or degree from a technical college or university in mechanical design, mechatronics or mechanical engineering or related field.
- Individual must have a minimum of 5 years' work experience from graduation in the mechanical design/mechatronics field.
- The individual will have working knowledge of mechanical parts, strength of materials, mechanics properties of materials.
- Must have a working knowledge of SolidWorks and must possess solid PDM understanding and experience.
- Either will have, willing to and able to get a professional technical designation. Must possess solid written and verbal communication skills
- Must be able and willing to work in a team environment
- Must be able to take on the responsibilities of a Team Leader

OTHER:

Preference may be given to candidates who have knowledge and experience in electrical design, or PLC programming or automation. Applicable with a P. Eng., designation is desirable.

POSITION SUMMARY:

- Must be proficient in mechanical design in 2D, 3D, and solid modeling to generate mechanical and electro-mechanical layout, sketches, and notes with minimum direction.
- Meet with customers, sales, project managers, other designers, or engineers to understand the needs and requirements for a new product or mechanical design or system.
- Research, design, evaluate, maintain mechanical products, equipment, systems, and processes to meet requirements, applying knowledge of engineering principles
- Specify system components, prepare bills of material (BOM's) or direct modification of products to ensure conformance with engineering design and performance specifications.
- Apply design and fabrication knowledge to ensure project functionality, manufacturability; reliability and cost goals are achieved
- Ability to check completed layouts, drawings, for proper fit and function. Build manufacturing Bills of Material, and check ECO's and BOM's for clarity, completeness, conformity to standards, procedures, specifications and accuracy of calculations, dimension, and tolerances.
- Investigate equipment failures and difficulties to diagnose faulty operation, and to make recommendations to installation/service technicians.
- Oversee installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.
- May provide work leadership, training to employees.
- May oversee installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.
- Prepare requirements specifications, risk assessments, product operating instructions and manuals.
- Engage in meetings that focus on pre and post measure up and design.
- Will have some experience in training, supervising, administration duties and scheduling of employees.