

SEPTIMATECH

GROUP INC.

POSITION TITLE: Mechanical Engineering Designer

LOCATION: Waterloo, Ontario, Canada

SALARY: Based on experience and qualifications

SCHEDULE: Full-time, day shift

REPORTS TO: Engineering Supervisor

BENEFITS: Medical & dental insurance, group life insurance, vision coverage, RRSP options, profit-sharing, emergency travel assistance, employee wellness, critical illness

PRODUCT REFERENCES: <https://septimatech.com> <https://www.youtube.com/@SeptimatechGroupInc>

POSITION PURPOSE:

Septimatech is looking for a Mechanical Engineering Designer to join our Engineering Team. Our Designers are creative problem-solvers who turn ideas into practical solutions that help customers achieve faster, simpler, and more repeatable packaging changeovers.

You'll be part of a collaborative, cross-functional Team that includes Engineering, Manufacturing, Sales, and Customer Service, all working together to deliver the highest quality and most innovative changeover solutions in the industry.

At Septimatech, you'll find an environment that values ownership, curiosity, and continuous improvement, a place where accountability is shared, communication is open, and teamwork drives results. We live our values every day through our Living the Legacy principles and One Team Leadership culture.

RESPONSIBILITIES:

- Proficient in 2D, 3D, and solid modeling (SolidWorks required along with Inventor) to produce detailed mechanical layouts, models, and drawings independently.
- Collaborate with customers, sales, project managers, designers, and engineers to define project requirements and ensure design intent aligns with customer needs.
- 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 (BOMs) 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, ECNs, and BOMs for clarity, completeness, conformity to standards, procedures, specifications, and accuracy of calculations, dimensions, and tolerances.
- Investigate equipment failures and difficulties to diagnose faulty operation and make recommendations to installation/field service technicians.
- Oversee installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.
- Develop requirement specifications and documentation, perform project risk assessments, implement mitigation strategies, and prepare product operating instructions and manuals.
- Engage in meetings that focus on pre- and post-measure-up and design.
- Contribute to multiple projects by tracking design progress, maintaining timelines, supporting project management activities, and engaging with customers during engineering reviews.

QUALIFICATIONS:

- 5+ years of engineering design experience in a manufacturing environment
- The candidate must have either a 3-year mechanical engineering technology/technologist diploma or a bachelor's degree in mechanical engineering, mechatronics, or a related discipline.
- The individual will have working knowledge of mechanical parts, strength of materials and their mechanical properties.
- Strong proficiency in SolidWorks and Inventor, or comparable 3D design software, with experience in both modeling and generating mechanical drawings.
- Experience and understanding of ePDM is preferred.
- Preference given to candidates with CMM experience (Faro-Arm, 3D scanning).
- Must possess solid written and verbal communication skills.
- Must be able and willing to work in a team environment.

- Must be a self-starter and work with minimal direction.
- Must be willing and able to learn our products and processes.
- Requires travel (domestic / international) up to 25% of work time. Must be able to travel on short notice.

WORKING CONDITIONS:

- Primarily works in an office environment at a computer workstation, with occasional flexibility to work from home.
- 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.
- Travel to customer sites to understand application and gather information needed for the design work as required.
- Must hold a valid Canadian Passport and be willing and able to travel both nationally and internationally randomly throughout the year, hold a valid driver's license and be able to obtain and drive rental cars.

WHAT WE OFFER:

- Competitive salary
- Comprehensive benefits program including health, dental, vision, paramedical, emergency travel assistance, group life insurance, critical illness, employee family assistance program
- Group RRSP with company matching
- Company events
- Employee wellness
- Casual dress
- Flexible schedule
- Profit-sharing
- Employee involvement in company teams (Social Committee, JHSC, etc.)
- Training and development opportunities
- Tuition reimbursement options

OUR COMPANY:

Septimatech Group Inc. was founded 32 years ago in Waterloo, Ontario. Septima is derived from the Latin word for seven, representing our seven founding employees.

Septimatech, pronounced Sep-TEAM-a-Tek, places the emphasis on team, which is the heart of our company. Our people champion continuous improvements for our customers because we are passionate about innovation and delivering outstanding customer service.

Our seven guiding principles, values and beliefs are the foundation of our company (Be Committed to the Customer, Deliver Superior Quality, Act with Trust and Honesty, Do Business with Class, and Dignity, Cooperate and Share Responsibility, Communicate Openly with Others, Take Leadership and Share the Excitement of Being Part of Septimatech).

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

Septimatech has had experiences of working with more than 2800 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.

We offer a friendly, supportive, and inviting work environment with a true team culture in a fast-paced customer-driven setting. Septimatech is committed to promoting accessible recruitment as outlined in the Accessibility for Ontarians with Disabilities Act. Septimatech will attempt to accommodate persons with a disability in an appropriate and effective manner throughout all stages of the recruitment process. We would ask that those who require assistance to notify our office as soon as possible if accommodation is necessary.

The use of AI technology is not being used in the hiring process.