

TITLE: Mechanical Engineering Co-op

DEPARTMENT: Product Development

REPORTS TO: Supervisor, Mechanical Engineering

BENEFITS: Medical, dental, vision, life insurance, short and long term disability insurance, paid time off package, 401k with company contribution, FSA or HSA options, educational assistance, dependent scholarship program, onsite fitness center, and much more!

General Responsibilities:

Assist mechanical engineers in the conceptualization, development, testing, implementation and maintenance of new and existing material handling product designs. Use sound mechanical engineering principles to support company business development efforts, marketing plans and department plans.

Specific Duties:

- Under the guidance of the Product Development Mechanical Engineering Supervisor and lead mechanical engineers, conceptualize and develop material handling products using sound mechanical engineering principles
- Adhere to suitable design and documentation practices and methodologies
- Support internal and external customers in product use and application as required
- Support vendors in product and sub-component fabrication as required
- Adhere to project timelines and budgets
- Participate in Product Development department projects as assigned
- Participate on company teams as assigned
- Participate in the execution of functional as well as accelerated life tests to ensure product reliability and performance
- Provide support and documentation to enable company staff to quote and source materials
- Participate in the identification and recommendation of new material handling technology solutions
- Serve as a technical resource to other departments as required
- Develop and maintain organized supporting design calculations
- Create and maintain CAD product models and layouts in Solidworks
- Create and maintain CAD product detail drawings in AutoCAD
- Perform finite element analysis on Solidworks models using Simulation
- Create and maintain product bills of material and routings in CSI9 program
- Execute engineering change notices as required

Job Qualifications:

- Enrollment in a 4 year Mechanical Engineering degree program
- Highly motivated with the ability to meet tight deadlines and high quality requirements
- Strong communication skills
- Problem solving skills
- Detail oriented

Preferred Requirements:

- Geometric Tolerancing and Dimensioning
- Solidworks
- AutoCAD
- FEA using Simulation
- Microsoft Excel

To apply for this position, please complete an [employment application](#) and send to careers@gorbel.com.

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