

Job Title: Product Development Engineer
Department: Business Development and Engineering
FLSA: 2A – Exempt
Date: April 9, 2024
Job Duties and Qualifications

Job Summary

Romeo RIM is seeking a Product Development Engineer in Romeo, MI. The Product Development Engineer is responsible to manage and develop new product for customer programs with focus on internal and external customer deliverables to include design and part feasibilities. The candidate will have direct customer and supplier communication and be responsible for understanding the needs of the customer in support of developing products that meet their needs and the manufacturability by Romeo RIM from concept to validation. This position may be hybrid but will also require frequent onsite presence.

Job Responsibilities

- Establish Design parameters to achieve the most cost-effective approach consistent with the customer's expectations.
- Provide engineering analysis as required (design for manufacturing and assembly, FEA, mold flow, static and dynamic analysis, tolerance analysis (GD&T), prototype, test, and development.
- Support quoting meetings through surface area and volume calculations, preliminary BOM's material recommendations and molding productivity.
- Provide support for tooling and manufacturing engineering.
- Develop Value Equations with an Account Manager to show the benefits of RRI products systems.
- Design new products and maintain existing products utilizing 3D modeling (solids and surfacing), and 2D drawings with SolidWorks.
- Provide technical assistance in face-to-face customer / supplier meetings and translate customer / supplier needs into product and manufacturing specifications.
- Create engineering documentation to release to the organization: Generate preliminary and final BOM's in company ER, generate final engineering drawings, and support ECR activities as required.
- Support customer focused product development through QFD, Design FMEA's, design verification, and support of APQP requirements.
- Assist in early production trials of new tooling programs, providing direction, deviations, general support, including post-test reviews and failure analysis.
- Knowledge of energy absorbing products and applications preferred.
- Develop and implement lean Product Development tools, processes, and practices (Agile methodologies preferred)

Qualifications

- Bachelors in Plastic or Mechanical Engineering, or related field preferred
- 5 or more years of professional work experience in the plastics industry or product development role utilizing plastic components.
- Show understanding of plastic molding, preferably reaction injection molding, injection molding, vacuum forming, and composite molding.
- Strong analytic and problem-solving skills
- Proficient with SolidWorks, ERP, and Microsoft Office
- Strong verbal and written communication skills



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Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. While performing the duties of this job, the employee is regularly required to talk and hear. The employee frequently is required to stand, walk, use hands to handle equipment, and reach with hands and arms.

This position requires the ability to occasionally lift objects up to 20lbs.

Travel

Ability to travel domestically and internationally (~ 25%)

EEO Statement

Romeo RIM believes that all team members are to be treated fairly and consistently with dignity and respect. Employment decisions are made without regard to race, religion, creed, color, age, sex, sexual orientation, national origin, marital status, disabilities, or any other protected class.

Equal Opportunity Employer

Accessibility: If you need an accommodation to access our jobs, please contact 586-336-5831.

Click [here](#) to see the EEO is the Law poster. Here is the link: [“Know Your Rights: Workplace Discrimination is Illegal” Poster | U.S. Equal Employment Opportunity Commission \(eoc.gov\)](#)

Please note that this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.



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