

Mechanical Engineer/Sr. Mechanical Engineer

Company Overview:

Mearthane Products Corporation (MPC) is a privately-owned global technology leader in the development and manufacture of advanced polyurethane components, headquartered in W. Cranston, RI, with additional facilities in E. Cranston, RI, Woonsocket, RI, and Winchester, VA. MPC was founded in 1965 in Rhode Island, and has continuously operated since that time. Building on over 50 years of experience, MPC partners with customers to develop innovative solutions to their most difficult manufacturing challenges using our specialized polyurethane technologies. We offer a collaborative, team-oriented work environment where you can develop your skills and career in a dynamic setting.

Job Summary and Responsibilities:

MPC is seeking a Mechanical Engineer or Senior Mechanical Engineer (title depends on demonstrated competencies) to join our growing technical engineering team. This position will be responsible for the design and execution of tooling and manufacturing processes for new products. Typically, there will be multiple new customer projects under development concurrently, across a very broad range of markets and end-uses. This position will be very influential to the future growth of our company, providing design engineering and technical improvements for new equipment, manufacturing processes, and future acquisitions. This position will report to the Director of Technology and may be based either out of our Cranston, RI or Woonsocket, RI location.

Required Competencies:

- **Technical Drawing Software:** Proficiency in the creation of technical designs and technical drawings using common Computer-Aided Design (CAD) software
- **Mechanical Engineering:** Familiarity with the application of physics, engineering and materials science to the design and manufacturing of finished parts
- **Process Improvement:** Utilizes process improvement tools such as Six Sigma, Shainin or other tools to analyze situations and develop solutions to key process problems
- **Complex Problem Solving:** Can analyze complex problems, then evaluate options and rapidly implement solutions, collaborating effectively with others when needed
- **Prioritization:** Assesses which tasks or issues are most critical, organizes her/his resources and workload to ensure that the most important items are addressed in a timely manner
- **Independence:** Demonstrates ability to work on multiple priorities without direct oversight, knows when to ask for support and obtain other inputs and guidance

Preferred Competencies:

- **3D Printing:** Demonstrates the ability to utilize 3D printers to create prototype parts
- **Polymer Science:** Familiarity with the properties that various polymers display during mechanical processes, understands common tests to evaluate polymer properties and how to interpret results
- **Project Management:** Can efficiently break projects into time-based tasks, organize and manage resources and people to get the project completed on time and within budget, communicates status effectively

Mechanical Engineer/Sr. Mechanical Engineer (cont.)

Required Credentials:

- Bachelor's Degree in Mechanical Engineering or demonstrated equivalent experience
- At least one professional role where Mechanical Engineering competencies were demonstrated

Preferred Credentials:

- Proficiency in the use of SolidWorks CAD Software
- Experience in a technical manufacturing setting

Typical Activities:

- Participate actively in New Business Development meetings and projects, interface as needed with others within the company and with customers and vendors as needed
- Read and interpret customer-supplied blueprints, technical drawings, schematics, and 3D CAD drawings to determine project's fit with MPC's capabilities, identify potential challenges and solutions
- Develop, design, and prototype manufacturing processes and tooling for new customer projects and existing programs that need improvement
- Recommend and implement design modifications to continuously improve existing manufacturing processes
- Lead the design, installation and integration of new testing, prototype, and manufacturing equipment to improve productivity, quality or cost structure

Job Details:

- Primary work location is flexible – either in Cranston, RI or in Woonsocket, RI
- MPC offers:
 - Competitive pay and annual incentive plan
 - Health and dental benefits via Blue Cross Blue Shield
 - Flexible Spending Account (FSA) for out-of-pocket healthcare expenses
 - 401K retirement plan with company match
 - Company-paid term life insurance
 - Interactive performance/development plan and review process
 - Collaborative environment with direct access to leadership team and all aspects of company operations