

Manufacturing Process 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. We offer a collaborative and team-oriented work environment and an opportunity to develop your skills and career in a dynamic setting.

Job Summary and Responsibilities:

MPC is seeking a Manufacturing Process Engineer to join our growing team. The Process Engineer will lead efforts to improve the quality and efficiency of MPC's manufacturing operations, which include many diverse chemical and mechanical processes. Responsibilities include the troubleshooting of manufacturing and testing processes, investigating and resolving process deviations, and leading and supporting continuous improvement initiatives. The Process Engineer will also play an important role in the continued growth of MPC, by participating actively in the development and scale-up of new products and processes. This position will report to the Director of Technology and will be based in our W. Cranston, RI facility.

Required Competencies:

- **Engineering Principles:** Familiarity with fluid flow, mixing, mechanics, thermodynamics, and materials as well as their application to manufacturing processes
- **Chemistry Principles:** Familiarity with the behaviors of chemicals, chemical processes, reactions, and physical processes associated with manufacture of chemical substances
- **Problem Solving:** Can analyze complex problems, then evaluate options and rapidly implement solutions, collaborating effectively with others when needed
- **Interpersonal Skills:** Makes consistent effort to develop and maintain productive working relationships with peers and team members at all levels and functions in the organization
- **Communication:** Speaks, writes, and presents information in a clear and effective manner
- **Active Learning:** Makes a consistent effort to gain new skills and perspective to become more effective in current and future roles

Preferred Competencies:

- **Manufacturing:** Demonstrates familiarity with equipment, materials, jobs, processes, and work environment associated with the production of finished parts in a factory
- **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
- **Process Improvement:** Utilizes process improvement tools such as Six Sigma, Shainin or other tools to analyze situations and develop solutions to key process problems

- **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

Required Credentials:

- Bachelor's Degree in Chemical Engineering, Mechanical Engineering or demonstrated equivalent experience

Preferred Credentials:

- Professional work experience in a technical manufacturing setting

Typical Activities:

- Evaluate data from manufacturing processes and experiments to identify and address key variables affecting quality, productivity, and cost
- In collaboration with production staff, develop, maintain and improve procedures used to manufacture products
- Troubleshoot problems that cause poor quality, productivity or cost in manufacturing processes, identify and implement lasting solutions
- Participate in new product development projects to ensure that products are manufacturable to customer standards
- Evaluate, select, and optimize new equipment and processes to improve operational performance

Job Details:

- Primary work location is in W. Cranston, 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