

JG Plastics Group, LLC

JOB DESCRIPTION

Position: **PROCESS ENGINEER**

Date: 12/11/2023

Reports to: Vice President-Operations

Approved by: Dale Balough

Responsibility and Authority:

- The Process Engineer is a “hands-on” position that focuses on optimization of manufacturing equipment and processes to produce high quality injection molded products and assemblies. The Process Engineer is responsible for optimizing existing manufacturing processes, setting up new manufacturing processes, and assisting manufacturing staff with problem solving and continuous process improvements. The Process Engineer shall monitor the effectiveness of production processes, and quantify, document and present findings to management.

Essential Duties:

- Develop new scientific-based processes, assess and document new and existing processes. Implement and evaluate changes to existing processes designed to improve quality, productivity, and equipment efficiency.
- Develop and maintain process documentation ensuring that processes and procedures are clearly stated and understandable for all employees.
- Provide technical support/solutions to manufacturing processes, improve yield and throughput, drive cost reduction activities and improve part quality.
- Monitor and document issues with injection molding processes and make recommendations for repair and refurbishment based on production requirements.
- Work with customers and suppliers on technical issues related to molding and/or new projects/processes.
- Implement technical solutions to meet customer cost, quality and delivery expectations.
- Shall perform Validation (IQ,OQ,PQ) work for all new molding projects
- Shall perform Risk Assessments and prepare documentation for all new molding projects.
- Establish, validate, and periodically review process parameters for all molding jobs.
- Maintain flexible work hours to complete critical mold trials and process validations.
- Perform Process Capability studies and documentation as required for new tooling and other production equipment.
- Assist with the planning, purchase, installation, and qualification of new production equipment including injection machines; automation and robotics; material handling; and related auxiliary equipment systems.
- Identify and implement continuous improvement projects in molding, assembly, and tooling departments.
- Work with QA Department to resolve customer complaints, MRBs, CAPAs, RMAs, and associated root cause analysis.
- Understand and promote ISO 9001 / AS9100 / ISO 13485 Quality System Procedures in all functional areas.
- Promote Good Manufacturing Practices (GMP) and adherence to JG Plastics Safety Practices.

- **Minimum qualifications and experience requirements:** Engineering or technical degree with experience in plastic injection molding. Experience with molded Aerospace and Medical components is desirable. Should have experience with mold and process validations of plastic injection molded components. Must be able to work independently on new process development and troubleshooting of current production issues. Good written and verbal skills, and experience with common word processing and spreadsheet programs.

Other Required Technical Knowledge/Skills: CAD; DOE; CAR (root cause analysis); SPC; IQMS, Lean Manufacturing.

JOB DESCRIPTION ACKNOWLEDGEMENT

I have received full instruction on the scope and nature of this job description and fully understand my position responsibilities and accept this responsibility and full authority as prescribed.

Employee Acknowledgement:

Employee Name

Employee Signature

Date