



Subject: **Process Engineer**

Salaried Exempt

Reports To: Director of Manufacturing

POSITION SUMMARY: Hands on position that plans, directs, and coordinates manufacturing equipment and processes to produce high quality injection molded product. The Process Engineer is responsible for coordinating the molding efforts on new program launches, setting up and/or revising manufacturing processes and assisting the manufacturing operations in problem solving and continuous process improvements. While monitoring the effectiveness of processes this individual quantifies results, documents and presents findings to management and prepares reports. This position also mentors and provides training to other injection molding personnel.

RESPONSIBILITIES:

- Develop new processes, assess and document new and existing processes. Implement and evaluate changes to existing processes designed to improve product quality, productivity and overall equipment efficiency.
- Provide technical leadership and mentorship to process technicians, operators and other molding personnel.
- 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 on part quality.
- Demonstrated ability to start-up, operate and shut down process related equipment. Must be able to work independently on new process development as well as troubleshooting current production issues.
- Work with equipment and material vendors to resolve machine and material issues.
- Monitor and report issues with injection molds, make recommendations for refurbishment based on production factors such as cycles, process capability and tooling history.
- Interact with customers to resolve issues and provide new project updates.
- Implement technical solutions including statistical methodology to meet customer cost, quality, and delivery expectations.
- Facilitate and support facility and manufacturing safety, environmental, and ergonomics efforts.

QUALIFICATIONS:

- B.S. degree in Plastics, Chemical or Mechanical Engineering is required. Must have 5+ years of practical work experience in an Injection Molding Operation.
- Strong and diverse technical background in injection molding processing, tooling, equipment, materials, manufacturing and quality.
- Self-starter must be able to work with little direction and with a high level of self-motivation.
- Ability to manage multiple start-up projects.
- Demonstrated superior communication (written and verbal), teamwork, and organizational skills.



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- Excellent computer skills, Word, Excel, PowerPoint etc.
- Demonstrated ability to think out of the box and recommend options.
- Ability to lead others, responsibility may include indirect supervision of process technicians.

MATHEMATICAL SKILLS: Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, percent and to draw and interpret bar graphs.

REASONING ABILITY: Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

OTHER SKILLS AND ABILITIES: Must be able to differentiate between customer production and service requirements. In addition must be able to cross reference between customer and PSIMP's part numbers and descriptions.

PHYSICAL DEMANDS: While performing the duties of this job, the employee is frequently required to sit; use hands to finger, handle, or feel objects, tools, or controls; and to talk and hear. The employee is occasionally required to stand; walk; reach with hands and arms; and stoop, kneel, crouch, or crawl.

The employee must frequently lift and/or move objects up to 10 pounds and occasionally lift and/or move objects up to 25 pounds. Specific vision abilities required by this position include: close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT: While performing the duties of this job, the employee occasionally works near moving and/or high temperature mechanical equipment and parts. The noise level in the work environment is usually moderate; infrequently, loud.

SAFETY: All employees are expected to set the highest level of safety expectation in their work, display the highest level of safe behavior, actively participate in PSIMP's safety program, and adhere to all safety rules and regulations. Employee Health & Safety is a part of our company culture and participation is required for all employees.