



Job Title:	Blow Molding Engineer	FLSA Classification:	Exempt
Department:	Production	Reports To:	Technical Manager
Revision:	5	Approved By:	DBD

JOB SUMMARY:

The Blow Molding Engineer is responsible for the continuous improvement of all metrics in the assigned Manufacturing Cell. Identify and implement engineering solutions for process, tool, machinery, & automation performance improvement. Develop cost effective and reliable innovative solutions for new and existing designs and ensure the successful sampling, qualification, & production of all new & existing tools & processes in assigned Manufacturing Cell.

Essential Job Duties and Responsibilities: (Additional duties may be assigned)

80% Identification & implementation of areas of measurable improvement in process performance (Continuous Process Improvement) & manufacturability in assigned Manufacturing Cell. Duties include, but not limited to the following:

- Responsible for all equipment, processes, & product quality in assigned Cell. Through innovation & implementation of scientific molding, automation and technology, improve the overall efficiencies, scrap rates, safety, & quality of operations to improve manufacturing processes & meet established goals.
- Build new & maintain all existing Process Binders & Master Process Sheets (MPS). Conduct audits to ensure compliance to the MPS & implement corrections & updates as needed.
- Drive red tags & maintenance requests from initiation through completion to ensure all molds & equipment run at the Master Process.
- Drive corrective actions from initiation through completion to prevent reoccurrence of the issue.
- Create standard work instructions to drive standardization of changeovers and operations for safe, repeatable, and timely results.
- Identify and conduct technical training for new & existing molds and equipment to drive technical knowledge to all team members through toolbox trainings, training checklists, & according to the training matrix.
- Work with the toolroom & maintenance groups to manage mold and equipment component inventory to ensure we have what we need when we will need it.
- Work with the toolroom & maintenance groups to setup mold & equipment maintenance to drive preventative (scheduled) work & reduce reactive work.

20% Sample & qualify all new tooling & processes to ensure they produce to the customer's requirements & meet operational goals. Duties include, but not limited to the following:

- At the direction of the Technical Manager, work with potential or existing internal & external customers in defining operational requirements & specifications that ensures the establishment of robust processes & provides value to the customer & CPI.
- Drive operational aspects of the project to ensure timelines are met & operational success prevails.

Supervisory Responsibilities:

This position does not have any supervisory responsibilities, but leadership qualities apply to this position.

Minimum Qualification Standards:

- Minimum of a 2 year degree or 10 years experience in plastics or related technical field, working knowledge of Scientific Molding and computer skills (proficiency in word, excel, and Microsoft Outlook is required).
- Two year technical degree in plastics or related technical field and training in Injection Molding, Blow Molding, and Assembly operations is preferred.
- Equivalent combinations of education and/or experience will be considered.

Knowledge, Skills, and Abilities:

- Contribute to the overall success of the company by performing all assigned duties in a professional, timely, and accurate manner.
- Promote the Quality Improvement Process.
- Computer proficiency including word processing, data entry, spreadsheets, and generating reports using standard software applications.
- Mechanical aptitude.
- Ability to communicate verbally and in writing.
- Excellent attention to detail.

Equipment, Machines, and Software Used:

Ability to use general office equipment including computer, printer, copier telephone, fax machine; and other equipment including digital camera, saws, sand blaster, surface grinder, lathe, mill machine, and various hand tools.

Mental Requirements:

Close mental and visual attention required to perform work dealing primarily with preparing and analyzing data and figures, performing accounting work, using computer terminal, and/or extensive reading.

Physical Requirements:

Ability to sit, walk, talk and hear. Ability to reach, use fingers, grasp and feel. Sedentary work, exerting up to 20 pounds of force occasionally and/or a negligible amount of force frequently or constantly to lift, carry, push, pull or otherwise move objects, including human body. Sedentary work involved sitting most of the time.

Communication Skills:

Ability to read, analyze and interpret common scientific and technical journals, financial reports, and legal documents. Ability to respond to common inquiries and complaints from clients, regulatory agencies, or members of the general public. Ability to write speeches and articles for publication that conform to prescribed style and format. Ability to effectively present information to internal and external top management.

Math Skills:

Ability to work with mathematical concepts such as probability and statistical interference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical solutions.

Environmental Conditions:

The work environment characteristics described here are representative of those that may be encountered while performing the essential functions of this position. The employee is occasionally subject to noise sufficient to cause one to shout in order to be heard above the ambient noise level. There is also exposure to various physical hazards, oils and atmospheric conditions which may affect the respiratory system or the skin.

Safety, Protective Clothing and Gear Requirements:

Safety requirements for this position include but are not limited to eye and ear protection when on the production floor and in the tool room. Employees must follow any additional safety requirements as posted in specific job areas.

Disclaimer:

- All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.
- This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees will be required to follow any other job-related instructions and to perform any other job-related duties requested by their supervisor.
- The company reserves the right to add to or revise an employee's job duties at any time at its sole discretion.
- This document does not create an employment contract, implied or otherwise, other than an "at will" employment relationship.