



JOB DESCRIPTION

Job Title:	Injection Molding Process Technician Level 1	FLSA Classification:	Non-exempt
Department:	Injection Molding	Reports To:	IM Technical Manager

Job Summary:

Provide operational, technical and job set up tasks for injection molding operation through both “hands on” and “instructional” training from the Technical Trainer and Lead Technicians. Able to use training to complete job functions in a timely manner.

Job functions must be performed consistently for a minimum of 9 months to be eligible for a Level 2 promotion.

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

50% Mechanical- Perform the following in support of the molding process with minimum supervision:

Perform Dailies according to the Daily Checklists.

- Full product changeovers according to the changeover outline.
 - Follow step by step instructions.
 - Complete changeovers with minimum need to reassess.
- Basic understanding of mechanical troubleshooting.
 - Able to identify components and their role during machine operation
 - Able to identify and correct root causes of issues to avoid the need to change the qualified process.
 - Able to address issues with minimum need to reassess.
- Basic understanding of hydraulic / electrical controls and components.
 - Able to understand and explain the components associated with mold, carriage, and blow pin movement (I/O, valves, cylinders, P/E etc.)
- Setup and troubleshoot downstream equipment.
 - Includes but not limited to conveyors, grinders, leak checks, vision systems, orientation bowls, and material loading systems.
- Follow OSHA, ISO, and FDA requirements and standards.
 - Maintain requirements during production and troubleshooting.
 - Complete all necessary paperwork.

30% Process - Monitor overall process performance:

- Understanding of basic molecular theory.
 - Able to apply concepts to achieve a repeatable process.
 - Able to use concepts to explain processing issues.
 - Able to apply concepts to achieve minimal downtime.
- Basic understanding of quality requirements.
 - Understand Carrier Plastics goal of zero defects.
- Maintain up and running production processes.
 - Complete thorough dailies.
- Maintain ISO forms as required.
 - Mold and process binders, master process sheets, changeover WIs, etc.

20% Other Responsibilities - Perform other duties in support of the overall operations including, but not limited to:

- Pursue full understanding and sign-offs on all topics within the Technician Trainee Level 1 Checklist form.
- LEAN manufacturing and Continuous Improvement initiatives: 6S, setup reduction, PM, Kanban, etc....
 - Identify deficiencies and address accordingly.
- Ensure a safe work environment.
 - Able to work in a safe manner to maintain a clean safety record.
 - Provide a safe work environment for fellow employees.
 - Use LOTO, safety blocks, and all other safety devices as required.
- Assist the maintenance team when requested.
 - Help with rebuilds and PM's when requested.
- Tool room and quality department assistance when requested.
 - Assist with head, screw, and mold cleaning and maintenance when needed.
 - Support setup reduction by working with the C/O team and proactively performing external changeover responsibilities.
 - Communication with quality department for previous, current, or possible issues.

Supervisory Responsibilities:

This position has no supervisory responsibilities.

Minimum Qualification Standards:

- High school diploma or GED required. Equivalent combinations of education and experience will be considered.
- Experience with hand tools required.
- Previous injection molding experience preferred.
- Completion of sign offs for tech Level 1

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.
- Promote "Dress for Success".
- Promote LEAN Manufacturing / Continuous Improvement initiatives.
- Complete all of the sign offs for Tech Level 1 To move on

Employees in this position must demonstrate skill or aptitude in the following areas to remain in the position and be eligible for movement to a Technician 2 position:

- Ability to identify basic parts of injection molding machines, how each part moves and functions, and how it affects the material being processed.
- Basic understanding of process adjustments and the affects of the adjustments.
- Ability to complete full product changeovers according to the changeover WI's.
- Ability to setup and troubleshoot molding and downstream equipment.
- Understanding how to properly handle and clean all tooling and equipment without damage.
- Understand quality measurements and SPC systems.
- Understanding of the various cap and bottle features and how they work together to meet customer and quality requirements.
- Ability to understand how the mold, machine, material, setup, and environment can impact the process and part quality.
- Ability to identify and correct the root cause of issues and avoid changing the process to compensate for mold, machine, material, setup, and environment issues.

Equipment, Machines and Software Used:

Ability to use hand tools, overhead crane, forklift, and general office equipment.

Safety requirements for this position include but are not limited to eye protection when on the production floor and in the tool room.

Employees must follow any additional safety requirements as posted in specific job areas and requirements called out in the Health & Safety policy 6.4.1.

Mental Requirements:

Moderate mental and visual attention required for performing manual work, machine operation, set-up, inspection, and adjustments that require decisions to detect and adjust for variance from proper operation.

Physical Requirements:

Heavy work: Exerting up to 100 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.

Ability to stand and walk particularly for sustained periods of time. Ability to talk, hear, top, kneel, crouch, climb, balance, reach, push, pull and lift objects. Ability to use fingers to grasp, feel and perform repetitive motions.

Communication Skills:

Ability to read, analyze and interpret general reference periodicals, professional journals, technical procedures, or government regulations. Ability to write reports, correspondence and procedure manuals. Ability to effectively present information and respond to questions from groups of department heads and managers, clients and members of the general public.

Math Skills:

Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to calculate figures and amounts such as proportions, percentages, area circumference and volume. Ability to apply concepts of basic algebra and geometry. Ability to interpret bar graphs.

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 subject to noise sufficient to cause the employee to shout in order to be heard above the ambient noise level.

The employee is subject to hazards: Includes a variety of physical conditions, such proximity to moving mechanical parts, electric current, working on scaffolding and high places, exposure to high heat or exposure to chemicals.

The employee is subject to one or more of the following atmospheric conditions that affect the respiratory system or the skin: Fumes, odors, dusts, mists, gases or poor ventilation.

The employee is subject to oils: There is air and/or skin exposure to oils and other cutting fluids.

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.

I acknowledge that I have read this job description and have received a copy for my records.	
Employee Name:	
Date:	

REVISIONS:

DATE	BY:	DESCRIPTION	REASON
02/11/21	PS	New	Split up by levels