



# Sr Injection Molding Process Technician

**Workplace:** 37174, Spring Hill

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## What to expect:

- **Position Summary:**

The role of a Process Technician is to set molds and start production/molding, respecting objectives set in terms of Quality, Cost and Delivery.

### **Responsibilities:**

The main missions of the role are to:

- Work with injection molding machines and secondary equipment, on tooling issues to reduce downtime and improve efficiency.
- Monitor process and product quality while tooling runs.
- Maintain and improve Quality.
- Work with Process Engineering to reduce downtime, scrap and improve process efficiency.
- Participate in improving tool changeover times, by using SMED; improve EOAT (end of arm tooling) change over time and improve color changeover time.
- Identify molding problems due to tooling problems and report them to Supervisor.
- Participate in maintaining tooling and

## What you bring along:

- **Knowledge / Skills:**

- Proven ability to undertake tasks of substantial variety or complexity which require an extensive knowledge of fabrication/processing techniques, tools, materials, machines and equipment
- Ability to quickly learn new technologies
- Working with sense of urgency due to JIT requirements
- Strong technical problem solving skills
- Strong teamwork, interpersonal and communication skills

- **Education / Experience:**

- Technical diploma, preferably with a specialization in injection molding.
- At least 3 years of manufacturing experience within a fast paced manufacturing environment
- Working knowledge of Quality System and Health, Safety and Environment skills
- Proficient level of English required

equipment thru **P**reventive **M**aintenance Program.

- Record downtime and scrap and changeover time
- Able to address minor processing issues. .
- Work flexibility in order to meet customer demands and needs.
- Work flexibility in order to meet customer requirements.
- Assist with any additional tasks as assigned by the company.
- Work safely with and during mold changes, color changes, and any movement with cranes and robot operations by using all required PPE.

#### **Mold changes:**

- Primary task of the Process Technician is to do mold changes and production series changes
- SMED (single minute exchange of Dye)/ Quick Changeover experience
- Operate overhead crane up to 50 ton in size
- Assessing conditions of quick couplings and magnetic platens.
- Knowledge of setting up, operating crane, control tool balancing and differentiating which tools to use during mold changes (maximum load permitted for the slings; maximum load permitted for the eyebolts)
- Understanding of and consistent use of mold straps
- Understanding of Hydraulic and water connections and proper usage
- Use of Magnetic Platens

#### **Robot Knowledge:**

- Robot experience (Sepro and Engel models usage preferred)
- Able to operate Robot including start, stop, and navigating the robot properly
- Perform End of Arm tool changes and troubleshooting experience to improve part grip and robot / IMM communication.
- Make adjustments to vacuum cups, grippers, part presence sensors
- Ability to learn how to set pick, home and deposit positions
- Safely operate the Robot in Manual or Auto Modes

#### **Materials:**

- Basic Understanding of Polymers and Resins
- Experience specifically with the following materials: Polypropylene (PP), TPO, ABS, PCABS, Nylon, & Glass and Mineral filled PP.
- Basic Hopper and Dryer operations as power ON/OFF; filter cleaning and material removal.
- Understanding of which materials require Drying
- Ability to determine if a material has been dried or not when processing
- Strong knowledge of Injection Molding Machine mounted blenders for self-coloring or dilution of glass fiber.
- Knowledge on feed systems operation and trouble shooting.
- Experience with color concentrate blending and troubleshooting with material.

#### **Processing:**

- Knows the basic parameters affecting the part quality and the cycle time.
- Can adjust the barrel temperature, injection parameters, closing / opening parameters and cores movements.
- Can adjust parameters to help troubleshoot quality issues including but not limited to flash, short shots, burns, flowlines, pressure lines
- Can adjust or use machine parameters to identify small maintenance problems
- Ability to complete short shot (Fill) studies
- Can assist in press validation runs

#### **Injection Molding Machinery:**

- Can verify and recall a mold program.
- Knows the machine start-up and shut down procedures.
- Operates the mold opening and closing, clamp and unclamp of the tool, the injection unit movements and purging material for color change or cleaning purposes.
- Can perform the machine preventative maintenance for level one and two (PM 1 & 2).
- Can start the machine in semi-automatic or in automatic with robot.
- Understanding of water and hydraulic systems including valves, sensors, etc.
- Ability to operate TCU and chiller set points and faults.

#### **Dye/Tool:**

- Can locate the core quick couplings; the core electrical connectors, the mold cooling quick couplings, the sequential injection quick couplings, the sequential injection electrical connectors; and indicate their specification and assess their condition.
- Can locate and operate the cooling valves and other thermal auxiliary equipment.
- Can connect and disconnect the mold electrical connectors for hot runner power and thermocouples.
- Can perform the mold preventative maintenance for level one and two (PM 1 & 2).
- Can understand all mold functionality and internal movements and the risk associated of any wrong movement or wrong sequence of steps.
- Can troubleshoot hydraulic valve gates
- Can determine issues with lifters, pins, rib read through, etc. affecting part quality

#### **Assembly support:**

- Simple problem diagnosis and correction excluding electrical cabinet interfacing.
- Work collaboratively with maintenance on problem identification and solutions.

#### **Position Specifications**

##### Authorities:

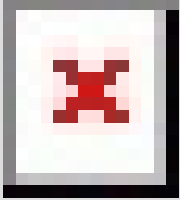
- Designate process technician (within SMED team) to complete C/O duties
  - Request C/O assistance from Sr. Process Tech (Gap Leader) to complete on target
  - Select operators to remove gates and take to regrind process as well as compactor
  - Authority to stop before proceeding if an unsafe condition is met
- As part of the global Bertrandt Group, our team of innovators tackles cutting-edge projects across ADAS, Autonomous Driving, Electric Mobility, and Manufacturing Support, transforming complex issues into sustainable, connected solutions. With the strength of a global network of over 14,500 colleagues in 50+ locations, Bertrandt US combines deep expertise in Electronics, Product Engineering, Physical, and Production & After Sales. Join us in engineering tomorrow's mobility today.

#### **What we offer:**

- **\$25 - \$30/hr**
- **3-month Contract**
- **Generous paid vacation/sick/holidays**
- **Creativity encouraged in a fun, friendly work environment**

**EEO Statement:**

**Bertrandt US is committed to fostering an inclusive and diverse workplace. We provide equal employment opportunities to all employees and applicants and strictly prohibit discrimination or harassment of any kind. We consider all qualified candidates without regard to race, color, religion, age, sex, national origin, disability, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by applicable federal, state, or local laws.**



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