

PR/160713 | Molding Process Engineer (Medical)

Job Information

Recruiter
JAC Recruitment Malaysia

Job ID
1614533

Industry
Other (Manufacturing)

Job Type
Permanent Full-time

Location
Malaysia

Salary
Negotiable, based on experience

Refreshed
October 27th, 2026 13:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Fluent Level

Minimum Japanese Level
None

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

Our client is a global manufacturing organization specializing in high-precision engineered components for medical, industrial, and consumer applications. Join them now as a Molding Process Engineer to be a part of an ever-growing team.

Job Responsibilities

- Develop, document, and optimize injection molding processes for new and existing tools.
- Establish and maintain robust process parameters to ensure part consistency, cycle time efficiency, and quality compliance.
- Analyze and troubleshoot molding issues such as flash, short shots, sink marks, warpage, and dimensional inaccuracies.
- Collaborate with tooling, quality, and production teams on mold trials, new tool validations (IQ/OQ/PQ), and DOE studies.

- Monitor equipment performance and recommend improvements or upgrades to enhance productivity and reduce downtime.
- Lead root cause investigations and implement corrective actions for non-conformances and process deviations.
- Support preventive maintenance efforts for molds and machines to ensure reliable operation.
- Assist in training production staff and process technicians on best practices and new processes.
- Identify opportunities for automation, cost reduction, and waste elimination within the molding process.
- Ensure all operations comply with health, safety, and environmental regulations, as well as ISO/quality standards.

Job Requirements

- Bachelor's degree in Plastics Engineering, Mechanical Engineering, or related field (or equivalent experience).
- 2-5+ years of experience in injection molding process engineering.
- Strong knowledge of injection molding machines (e.g., Arburg, Engel, Husky, Sumitomo, etc.), hot runner systems, and auxiliary equipment.
- Familiarity with scientific molding techniques, process monitoring tools, and mold flow analysis software.
- Solid understanding of plastic materials (thermoplastics), material drying, and troubleshooting resin-related issues.
- Experience with Lean Manufacturing, Kaizen, or similar continuous improvement methodologies.
- Working knowledge of statistical process control (SPC), DOE, and quality tools (e.g., PFMEA,
- Prior experience working with automotive, medical, or high-precision plastic components.

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Company Description