



Harmac Medical Products. is a leading, award-winning contract manufacturer of single-use medical devices, serving the global marketplace for more than 35 years. With headquarters in Buffalo, NY and facilities in Ireland and Mexico, this opportunity is based in our Irish site in Castlerea, Co. Roscommon.

Harmac, a privately held company, provides innovative technical solutions and manufacturing services for leading Fortune 500 med-tech companies and high potential start-ups.

Harmac's mission is to change the lives of patients, employees and the communities in which we work.

Job Title: **Injection Moulding Engineer**
Department: **Engineering**
Reporting To: **Business Unit Engineering Manager**

SUMMARY: Reporting to a Business Unit Engineering Manager, the Injection Moulding Engineer will work with the engineering and technician teams to develop new products and optimise moulding processes within the company. The Injection Moulding Engineer will lead the specification, introduction, validation and continuous improvement of equipment and processes.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Troubleshoot production moulds and processes as issues arise.
- Perform root cause analysis reports as required.
- Coordinate PM activities of machines/tools and ancillary equipment.
- Generate associated moulding documentation such as SOP'S , IQ'S / Protocols and also DMR's , process travellers and work instructions.
- Validate activities such as SIM (Scientific Injection Moulding) studies and other engineering studies for new processes and moulds.
- DOE execution for new processes.
- CPAR's as required.
- Liaise with Harmac Buffalo on good moulding practices.
- Collaborate with customers, suppliers, vendors and internal teams as required.
- Generate project timelines and ensure project milestones are achieved on time and within budget.
- Liaise with Toolmakers in relation to projects, preventive maintenance and spare parts programmes.
- Coordinate and analyse metrology measurements during product development phases.

- Lead decisions on mould design and steel adjustments to meet tight tolerances.
- Ensure PM's are performed on all tools.
- Coordinate ongoing training activities with technicians (Internal & External).
- Research and introduce new moulding technical concepts to Harmac as appropriate. (Robotics, pick & place, sprue pickers, process monitoring techniques, cavity pressure monitoring, EDART)
- Familiarize yourself with a variety of processes to allow you to work across a number of product lines.
- Conform to the requirements of the quality and environmental management systems.
- Additional projects and ad hoc duties as assigned.

QUALIFICATIONS AND EXPERIENCE REQUIRED:

- Level 7/8 degree in an Engineering discipline is desirable.
- 4 years' experience in an injection moulding environment is desirable
- Preferably worked either in the medical, Packaging or Technological industries with experience of process validations. Must be capable of coaching and mentoring others.
- Have good data analysis capabilities and be familiar with statistical software (ideally Minitab)
- Knowledge of medical device validation protocols and associated documentation
- Implementation experience of validation protocols
- Lean and six sigma knowledge
- Strong process engineering background
- New product introduction experience
- Strong team player and ability to work collaboratively in a cross functional team.
- Ability to plan, organise, and prioritise own daily work routine to meet established schedule.
- Excellent written and verbal communication skills.
- Ability to work collaboratively in a cross functional team.
- Strong proficiency in statistical analysis techniques to investigate and solve problems and improve quality.