**Manufacturing Engineer**

**Summary:**

* Experienced in medical device manufacturing and regulated environments, including Automotive and Aerospace industries with proficiency in new product launches, wax pattern tool/mould design, and injection moulding.
* Strong project management skills with a focus on quality and regulatory compliance and excellent communication skills, capable of working effectively within multidisciplinary teams.

**Experience:**

**Manufacturing Engineer** Medtronic *August 2019 - Present*

* Led new casting product launches from feasibility studies through full validation and commercial launch, ensuring compliance with industry standards.
* Designed and optimised wax pattern tools and moulds for efficient and high-quality casting processes.
* Managed foundry operations including sand and die casting, delivering high-quality medical device components.
* Conducted wax and plastic injection moulding processes to produce precise and reliable components.
* Implemented CNC machining techniques for castings, enhancing accuracy and reducing production time.
* Monitored and controlled temperature gauging to ensure consistent casting quality.
* Developed and interpreted technical drawings per ASME Y14.5M (GD&T) for accurate manufacturing.
* Analysed CMM reports to ensure compliance with design specifications and improve processes.
* Utilised MS Office and Minitab for project management and data analysis.
* Collaborated with cross-functional teams to drive process improvements and meet project deadlines.

**Project Engineer** GE Healthcare *June 2016 - July 2019*

* Led new product development projects from concept to commercial launch, focusing on medical device manufacturing.
* Designed wax pattern tools and moulds for casting processes, optimising for efficiency and quality.
* Managed foundry operations including sand, die, and foam casting techniques.
* Conducted wax and plastic injection moulding to produce high-precision components.
* Implemented CNC machining for castings, achieving high accuracy and efficiency.
* Monitored temperature gauging to ensure quality control in casting processes.
* Developed and interpreted technical drawings per ASME Y14.5M (GD&T) for accurate manufacturing.
* Analysed CMM reports to ensure product compliance with design specifications.
* Utilised MS Office and Minitab for data analysis and reporting.
* Collaborated with multidisciplinary teams to ensure project success and process improvements.

**Education:**

* Bachelor’s degree in Engineering, *Northeastern University - 2016*