



<b>Job Title:</b>	Manufacturing Engineer - ( <i>External Job Posting</i> )
<b>Reports To:</b>	Manager, Manufacturing
<b>Location:</b>	13562 Maycrest Way, Suite 5138 Richmond, BC
<b>Date:</b>	2019 March 14

<b>Purpose/Role</b>
The Manufacturing Engineer will support the development of engineering projects at Neovasc with a focus on optimizing efficiency and transfer to manufacturing. This position will operate across projects within Neovasc as required.

<b>Position Description</b>
<p><b>Operations:</b></p> <ul style="list-style-type: none"><li>• Support manufacturing by providing training and guidance to technicians;</li><li>• Lead projects to improve quality and efficiency manufacturing activities;</li><li>• Implementation and overview of production monitoring and control tools;</li><li>• Responsible for final review and implementation of manufacturing instructions;</li><li>• Confer with engineer concerning product design, equipment and tooling to ensure efficient production methods;</li><li>• Develop training, documentation and instructional materials for production to enable the seamless knowledge transfer of project and manufacturing processes.</li></ul> <p><b>Lean:</b></p> <ul style="list-style-type: none"><li>• Monitor processes and tools/equipment for continuous improvement;</li><li>• Employ technical design concepts for the design, redesign, and reconfiguration of equipment;</li><li>• Develop testing protocols that ensure efficacy and integrity of processes and products, providing detailed reports and recommendations based on analysis;</li><li>• Assist production with analysis and planning of work force utilization, space requirements and workflow, and design layout of equipment and workspace for maximum efficiency;</li><li>• Develop, evaluate, and improve manufacturing methods, utilizing knowledge of product design, materials and parts, processes, machine and production equipment capabilities, assembly methods, and quality control standards.</li></ul> <p><b>Manufacturing:</b></p> <ul style="list-style-type: none"><li>• Analyze manufacturing and compliance issues (CAPAs, Non-Conformances) and lead efforts to resolve issues effectively;</li><li>• Arrange for purchase of equipment, and evaluates products according to specifications and quality standards;</li><li>• Support implementation of risk-based quality tools – pFMEA, PCP, dFMEA, etc.;</li><li>• Plan and execute equipment validations;</li><li>• Process development and validation from concept to production including knowledge and use of FMEA, Software Validation, IQ, OQ, PQ.</li></ul> <p><b>Organizational:</b></p> <ul style="list-style-type: none"><li>• Employ project management tools to design project plans that ensure deliverables are completed in a</li></ul>

timely manner to specifications;

- Interact with management, production, engineering, suppliers and other staff regarding manufacturing capabilities, and other considerations to facilitate production processes;
- Support junior engineers in day-to-day activities;
- Provides back up facilitation for Core Team meetings.

## Qualifications

### Education

- A Bachelor's Degree in Engineering is required (Mechanical, Manufacturing or Biomedical)

### Experience

- 3-5 years of experience in medical devices or a similar field;
- A history of successful completion of technical projects;
- Working knowledge of Lean Manufacturing/Six Sigma;
- Working knowledge AutoCAD, ProEngineer, SolidWorks, Minitab and Design of Experiment (DOE);
- Strong knowledge of GMP, ISO, validation requirements and Health and Safety regulations;
- Experience with any of the following is considered an asset:
  - Medical Plastic Extrusion/Molding;
  - Polymer Bonding, Catheter Manufacturing;
  - Assembly Fixturing;
  - Automated Equipment Design & Validation;
  - Process Validation.

### Skills

- Strong attention to details;
- Strong problem-solving and computer skills;
- Strong communication and organizational skills;
- Hands on experience with machines and tools;
- General mechanical aptitude;
- Ability to provide leadership as well as work well in a team environment.

*Please note that only candidates local to the Vancouver area, will be considered for this position.*