

Job Title:	Senior Product Development Engineer (Stent/Frames) (Minnesota)
Reports To:	Director, Engineering
Location:	900 Long Lake Road, Suite 300, New Brighton, MN 55112
Date:	2021 Oct 19

Purpose/Role

A brief description of the primary responsibilities for which the employee is accountable

The Sr. Product Development Engineer is responsible for Neovasc transcatheter valve design and development, and ensuring the safety and efficacy of Neovasc medical device products, while adhering to the necessary quality and regulatory requirements.

Position Description

A listing of the deliverables to be accomplished, including specific duties/activities that make up the job

- Develop and Design medical devices.
- Devise test protocols to verify and validate design and design changes.
- Manage various projects from inception to completion.
- Optimize manufacturability of product through design for manufacturability, design layout, design of jigs and fixtures, and manufacturing procedures.
- Provide guidance and mentoring to junior engineers and co-op students.
- Train technicians on manufacturing and testing product.
- Provide technical support to production by troubleshooting various non-conformances through the non-conformance reporting process.
- Reduce cost of goods through cost analysis, supplier sourcing, increasing manufacturing efficiency, and initiating innovative design changes.
- Provide consulting services for contract manufacturing customers.
- Assisting Quality Assurance and Quality Control as needed.
- Other related duties as may be required.

Qualifications

Represents the desired qualifications but may not reflect the employee's existing qualifications

Education:

- Minimum 4 years of post-secondary education in the field of Applied Science in a related discipline or equivalent combination of education and experience

Experience:

- 5 years min experience in transcatheter valve design and development
- Experience in metal laser cutting, including stainless steel and Nitinol
- Experience in Nitinol shape setting and testing

Skills:

- Understanding of Finite Element Analysis
- Strong analytical and problem-solving skills
- Strong computer skills
- Ability to prioritize and handle many different tasks
- Strong communication and organizational skills
- Proficient with 3D CAD software programs (Solidworks preferred)
- General Mechanical Aptitude
- Ability to provide leadership and mentoring to junior staff in a team environment

Please note that only candidates local to the Twin Cities, Minnesota will be considered for this position.