R&D Engineer - Textiles

About Aran Biomedical:

Aran Biomedical design, develop and manufacture implantable medical devices, as an outsource partner to many of the leading, global medical device companies. Our innovative technology focus and biomaterials expertise foster a dynamic culture, which delivers next-generation implantable solutions.

About the Role:

An R&D Textile Engineer is required to support Aran Biomedical's world-class Biomaterial Design & Development team through a phase of rapid expansion and growth due to new business activities.

This position will report to the Textiles Business Unit Manager and will be responsible for supporting all aspects of the Device Development Process. The role will require a hands-on approach involving design, prototyping and development of novel braided devices for our clients in the vascular implant sector.

The successful candidate will have a good eye for detail and possess manual dexterity skills to manipulate small components during the fabrication of prototype medical devices. The range of projects that the role will support will be diverse and present an opportunity to acquire significant skills in the development of Biomaterial based Medical Devices.

Duties and Responsibilities:

- Support the customer engagement process in the application of Aran Biomedical's proprietary Textiles technology.
- Design and develop innovative technology solutions to meet customer needs. This will include developing novel processing technologies and prototyping of medical device designs.
- Build and enhance Aran Biomedical's intellectual property portfolio in device design and process technology know-how.
- Keep organised records and provide technical reports as needed.
- Document novel assembly processes and device designs in Laboratory notebooks with full traceability.
- Ensure strict adherence to relevant safety procedures.

Skills and Experience:

- The successful candidate will have an engineering background, a keen eye for detail and a willingness to acquire new skills and learn on a daily basis. Key skills and experience include:
- Honours Degree in Biomedical/Mechanical/Polymer Engineering with 1-3 years of relevant industrial experience.

- Good working knowledge of braiding processes and Nitinol material properties particularly desirable.
- Demonstrated ability to work hands-on in the development of prototypes or novel process technologies. Experience from non-medical industries and/or backgrounds will be considered.
- Experience of Medical Device requirements and understanding of Design Control processes an advantage.
- Proficient in AutoCad and similar 3D Modelling software, along with MS Office software (MS Excel, Word, Powerpoint).
- Must be able to communicate effectively, keep detailed documentation and write clear, concise technical reports.