## Job Description: Mechanical Design Engineer

### ROLE AND PERSON

A Mechanical Design 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 Vascular Devices Program Manager and will be responsible for supporting all aspects of the Device Development Process. The role will require a hands-on approach involving CAD modelling, prototyping (incl 3D printing), assembly and development of novel biomaterial based devices for our clients in the vascular implant sector.
The successful candidate will have a good eye for detail and will be in a position to draw on a broad and diverse set of skills and experience in solving design challenges. The range of projects that the role will support will be diverse, and the technical solutions developed will be innovative and present an opportunity to acquire significant skills in the development of Biomaterial based Medical Devices.

### PRINCIPLE RESPONSIBILITIES/DUTIES

The Mechanical Design Engineer will be principally engaged in the following tasks:

- Support the customer engagement process in the application of Aran Biomedical's proprietary Biomaterials technology.
- Design and develop innovative design solutions to meet customer needs. This will include CAD modelling and prototyping of tooling and device designs, and supporting assembly tool and fixture requirements for R&D builds.
- 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 device designs and novel assembly processes in Laboratory notebooks with full traceability.
- Ensure strict adherence to relevant safety procedures.

### DESIRABLE SKILLS & QUALITIES

The successful candidate will have a mechanical/industrial design 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 Mechanical Engineering or Industrial Design with 3-5 years of relevant industrial experience.
- Highly proficient in SolidWorks, AutoCad and similar 3D Modelling software.
- Experience in the medical device industry or similar highly regulated environment an advantage.
- Good working knowledge of polymer material properties and coating processes particularly desirable.
- Understanding of Design Control processes and ISO requirements is preferred.
- Human factor design engineering skills an advantage.
- Must be able to communicate effectively and keep detailed documentation.