



Manufacturing R&D Engineer

About Perfuzze

Perfuzze is a growth stage medical device company, based in Galway, dedicated to improving the quality of life for stroke patients. Perfuzze is developing innovative catheter-based technology to extract blood clots from the brain following an Acute Ischemic Stroke. We are located in the IDA Business Park in Dangan, Galway. This year, the novelty of our Millipede technology was recognised by the FDA through the granting of a [Breakthrough Device Designation](#). At Perfuzze, we push the limits of what medical technology can do to help restore health and extend life. Our mission is to halve the number of patients who suffer disability post stroke treatment. We want to accelerate and advance our ability to create significant innovations, but we will only succeed with the right people on our team.

Our Culture

- An inclusive work environment, where all the employees are valued, supported and encouraged
- All employees have a seat at the table and have influence
- A collaborative teamwork environment where learning is constant, and performance is rewarded
- The opportunity to be at the forefront of a technology that can positively impact the treatment of one of the world's most devastating diseases

Manufacturing R&D Engineer role

As a Manufacturing R&D Engineer you will be a key member of the engineering team working within a multidisciplinary framework. This role will be involved in technology advancement projects including but not limited to developing new manufacturing processes, device concepts, and validating new technology and methods. This work will focus on the development and manufacture of catheter-based technology to treat ischemic stroke. In this role you will have the opportunity to contribute to both manufacturing and device design and development.

- Conceive, develop and improve manufacturing processes
- Design fixtures and models for proof-of-concept, and verification and validation testing
- Design, build and document development of novel neurovascular catheter-based technology
- Support and manage efforts to verify and validate new product designs
- Prepare project plans, specifications, and schedules for product development
- Identify and interact with vendors to obtain engineering materials, processes, and equipment
- Contribute to company Intellectual Property

How You'll Contribute

- Lead the development of new methods of device manufacture
- Demonstrate ability to rapidly prototype product and fixture concepts in-house - using standard catheter building equipment and techniques such as 3D printing
- Modelling and analysis of mechanical systems using SolidWorks or similar
- Experience of working with medical device polymers, ideally within a catheter manufacturing environment

- Strong aptitude for design verification and validation test method development and implementation
- Excellent verbal and written communication skills with the ability to communicate clearly to others in different functions and at various levels
- Must enjoy contributing to and participating in a dynamic team environment
- Commit to ongoing personal development to improve technical and non-technical skillsets
- Stay current with general engineering knowledge related to catheter design and prototyping techniques

Must Have:

- Degree in engineering
- Minimum of 3 years in the medical device industry, ideally including experience in a manufacturing environment
- A hands-on mindset

If interested, please submit your CV and a note outlining why you're the right person for the role to hr@perfuze.com