



## ELECTRONICS ENGINEER

Reports to	Director of Engineering
Type	Permanent
Office/Remote	Office based with up to 1 day per week remote working. Flexible start/stop times.
Location	Stirling

### Your new company:

We are **Emblation**, an award-winning medical technology company revolutionising healthcare by harnessing the power of microwave energy. Our goal is to enhance traditional treatments by leveraging the advantages of microwave technology to deliver precise, repeatable procedures that lead to better clinical outcomes. Founded in 2007 by our co-founders—now serving as President and Chief Technology Officer—our leadership team brings over 50 years of combined experience in medical technology, driving our innovation and growth.

### Job Description:

We are seeking an innovative and hands-on Electronics Engineer to join our innovative and dynamic team. This role is ideal for a proactive, hands-on professional with a passion for product development who is eager to work across the entire product lifecycle. You'll have the opportunity to design and manufacture cutting-edge medical devices that make a meaningful impact on the world.

### Job Role:

- **Medical Device Design & Development:** Design and develop electronics systems for new medical device systems and accessories, in compliance with company design control procedures and regulatory standards (ISO 13485, QSR).
- **Electronics Design:** Design of analogue & digital electronics, including schematics and PCB layout, with the support of senior electronics engineers.
- **Product Sustaining:** Maintain and enhance existing products, addressing regulatory changes, component obsolescence, and customer-driven improvements.
- **Design Verification:** Develop and implement test protocols, procedures, and test jigs to verify new and updated product designs.
- **Design Validation:** Support validation activities, ensuring compliance with electrical safety, electromagnetic compatibility, and usability standards.
- **Product Transfer to Manufacturing:** Collaborate with the Operations team to support the seamless transfer of products to manufacturing, including defining assembly and test procedures and providing ongoing technical support.
- **Quality & Compliance Support:** Partner with the Quality department to investigate non-conformances, perform root cause analysis, and implement corrective and preventative actions.

**Essential Skills:**

- Bachelor's degree (Hons) in Electronics Engineering or similar.
- 2-5 years of experience in electronics design.
- Electronics schematic and layout design experience (ideally in Altium Designer) for analogue and digital circuits.
- Proficient user of electronics Test & Measurement equipment.
- Experienced in creating detailed specifications, test plans, and technical reports.
- Excellent communication skills, both written and verbal, with the ability to participate in technical discussions and present ideas clearly.

**Desirable Skills:**

- Experience within the medical devices sector or a similar highly-regulated industry.
- Experience in electronics circuit simulation (SPICE, Power Distribution, High Speed Signal Integrity) or reliability analysis including component de-rating and worst case circuit analysis.
- Experience in FPGA design using VHDL would be an advantage.
- Aware of preventative design for first time pass at Electromagnetic Compatibility (EMC) and Immunity (EMI) testing.
- Experience working within a Quality Management System (QMS), preferably in accordance with ISO 13485.
- DFMEA experience and knowledge of risk management in line with ISO 14971 and other relevant medical device standards, particularly IEC 60601.
- Experience in interfacing with manufacturing facilities, suppliers or design subcontractors.

**What You'll Get in Return:**

- Competitive salary
- Company pension
- On-site gym
- On-site parking and easy shuttle access from Stirling rail station.