

REBEL BIONICS ELECTRICAL TECHNICIAN JOB DESCRIPTION



Electrical Technician

Full-time • On-site, Leeds • Reports to: Senior Electronics Engineer / Engineering Lead

About Rebel Bionics

Rebel Bionics designs and manufactures advanced bionic hands, including the Rebel R and Rebel Pro product lines, for upper-limb prosthetics users in the UK and US. We're a small, fast-moving engineering team building precision electromechanical devices; combining custom electronics, motors, sensors and mechanical assemblies and preparing for commercial launch. This is a hands-on role at the centre of that build.

The Role

We're looking for an Electrical Technician to support our engineering team with electrical troubleshooting, testing and assembly of bionic hand units and related electronics. You'll work closely with our electronics engineers to diagnose faults on returned or in-development units, build and rework PCB assemblies and wiring looms, and support production-quality assembly of finished devices. This role suits someone who enjoys hands-on problem-solving with small, precise, low-voltage electromechanical systems and takes pride in getting things right first time.

Key Responsibilities

- Diagnose and troubleshoot electrical and electromechanical faults on bionic hand units, PCB assemblies and sub-systems, using multimeters, oscilloscopes and other test equipment.
- Carry out root-cause investigation on failed or returned units (e.g. motor, sensor, or wiring failures) and document findings clearly for the engineering team.
- Build, solder and rework PCB assemblies, connectors, wiring looms and cable harnesses to a high standard of workmanship.
- Assemble mechanical and electromechanical sub-assemblies and complete units, following work instructions and quality procedures.
- Perform functional testing and quality checks on assemblies and finished units, recording results accurately.
- Support new product introduction — helping build and test prototypes and early production units, and feeding back practical assembly/testability issues to engineering.
- Maintain a clean, organised, ESD-safe workbench and follow good practice for handling sensitive electronic components.
- Keep accurate records of work carried out, parts used and test results, contributing to traceability and quality documentation.
- Help maintain and calibrate test equipment and jigs, flagging any issues promptly.



What we're looking for

- Experience in electrical/electronic troubleshooting and fault-finding on low-voltage assemblies, ideally within a medical device, robotics, electromechanical or precision manufacturing environment.
- Proficient with hand and rework soldering (through-hole and SMD) to a good workmanship standard (IPC-A-610 awareness is a plus).
- Confident using multimeters, oscilloscopes and other electrical test equipment to diagnose faults.
- Comfortable reading circuit diagrams, wiring schematics and assembly drawings.
- Good manual dexterity and attention to detail — this work involves small components and fine assembly.
- A methodical, safety-conscious approach, with the discipline to follow procedures and keep clear records.
- Good communication skills and comfortable working closely with engineers in a small team.
- Highly computer literate, knowledge of programming PCB's.

Nice to have

- Experience with prosthetics, medical devices, or other regulated electromechanical products (ISO 13485 / ISO 9001 environments).
- Familiarity with motors, encoders, actuators or sensor-driven electromechanical systems.
- Basic understanding of embedded electronics, BLE/wireless modules, or battery-powered devices.
- A relevant qualification (e.g. NVQ/BTEC in Electrical/Electronic Engineering, or equivalent apprenticeship experience).

Why join us?

- Work on genuinely novel, high-impact medical technology that changes people's lives.
- Small team, real ownership; your work goes straight into products being launched in the UK and US.
- Direct exposure to the full product lifecycle, from prototype troubleshooting through to production assembly.

How to apply

Please send your CV and a short note on relevant experience to ted@rebelbionics.com. We review applications on a rolling basis