# Electronic Hardware Engineer - Job Specification

*About Western Automation:*

Western Automation Research & Development Limited (WA) is a world leader in the development of Electrical Safety Products such as RCDs (residual current devices), AFDs (Arc Fault Detection) and shock protection for EV (Electrical Vehicles) Charging Stations. We provide technology to a global customer base from our Headquarters in Ballinasloe, Co. Galway, Due to increasingly strong demand for our products and technology, we are currently expanding our Engineering Team.

*Role:*

The position is for an **Electronic Hardware Engineer** to work as part of our Test Department Development Team. In this role you will be responsible for the Development and Deployment of Test Rigs into our new Production facility in Ballinasloe or manufacturing subcontractors. This is a hands-on role with a significant proportion of time spent in the lab. As such it is not suitable for remote working.

*Responsibilities:*

- Work closely with R&D, Quality Assurance and Production to develop tester specifications
- Create test equipment design briefs
- Produce electrical/electronic designs based on specifications
- Develop schematics and PCB layouts
- Produce clean, efficient and well documented firmware code
- Troubleshoot, debug and upgrade existing and new test equipment
- Participate in peer reviews
- Gather and evaluate end-user feedback
- Recommend and execute improvements
- Develop technical documentation to guide future tester development projects
- Work as part of a team of Test Development Engineers

*Requirements:*

- A Degree in Electronics Engineering (Level 8)
- 3 Years of experience in a similar role
- Proficiency in both Analog and Digital Electronics
- Knowledge of schematic design and simulation
- Knowledge of PCB layout and prototyping
- Experience developing with Raspberry Pi / Arduino or similar technology
- Ability to build electronic circuits and use measurement equipment to de-bug at component level
- Excellent problem-solving skills
- Excellent communication skills including writing detailed reports, presenting results etc.
- Willingness to take on extra responsibilities when required

*Advantage*

- Experience designing Automatic Test Equipment
- Experience in C programming for Embedded Systems / Microcontrollers

To Apply Please send CV and Cover Letter to Chris Gorman at cgorman@westernautomation.com