



Job Title: Test and Diagnostics Technician - Electronics Manufacturing

Department: Operations

Reports Direct: Test & Diagnostics Team Leader

Location: Seaward Electronics Ltd, Peterlee, Durham, SR8 2SW

Job Purpose

The Test and Diagnostics Technician will be responsible for the comprehensive testing, troubleshooting, and repair of electronic equipment and components within our manufacturing facility. You will ensure that products meet stringent quality standards and customer specifications. You will also play a key role in identifying and resolving issues at various stages of the production process.

Responsibilities

- Perform functional and diagnostic testing on electronic sub-assemblies and final products in accordance with defined test procedures and documentation.
- Troubleshoot and diagnose failures down to component level, identifying root causes of defects and recommending solutions.
- Utilise various test equipment and diagnostic tools such as oscilloscopes, multimeters, signal generators, and automated test equipment (ATE).
- Interpret technical drawings, schematics, and other relevant documentation to effectively troubleshoot and repair electronic systems.
- Assist in the calibration, maintenance, and repair of production and test

equipment to ensure optimal performance and accuracy.

- Complete accurate test reports and records, documenting testing procedures, results, and repairs in accordance with company standards.
- Collaborate with engineering and production teams to provide feedback on product performance, identify areas for improvement, and support continuous improvement initiatives.
- Support the development of test procedures and methodologies for new products and existing designs.
- Adhere to all safety protocols and maintain a clean and organized work environment, ensuring.

KPIs

Knowledge, Skills, and Experience Required

- 2+ years of experience in electronics testing and troubleshooting, ideally in a manufacturing environment.
 - Strong understanding of electronic principles, circuit design, and troubleshooting methodologies.
 - Proficiency in using electronic testing equipment such as oscilloscopes, multimeters, and signal generators.
 - Ability to read and interpret schematics, technical manuals, and other technical documentation.
 - Strong knowledge of electrical and electronic systems, troubleshooting methods, familiarity with testing tools and software, ability to interpret schematics and technical documentation.
 - Excellent problem-solving skills, ability to diagnose faults down to component level, and interpret test data.
 - Effective communication skills (written and verbal), ability to document
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findings, and collaborate effectively with cross-functional teams.

- Meticulous in testing processes, committed to producing high-quality work, and maintaining

accurate records.

- Ability to work collaboratively and effectively with colleagues, engineers, and other stakeholders.

- Willingness to learn new technologies and adapt to changing priorities in a fast-paced

manufacturing environment.

- Experience with automated test equipment (ATE) is preferred but not essential.

Qualifications

- Degree or equivalent experience in Electronics Engineering Technology, Electrical Engineering, or a related field.

If you want to be a part of our team please send your CV and a covering letter by e-mail to wendyc@seaward.com

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