**POSITION: Test Engineer**

**REPORTS TO: Test Engineering Manager**

**CLASSIFICATION: Exempt**

**Responsibility:** Under limited supervision, responsible for the engineering support of the testing of all products.

**Activities:**

* Develops and writes test procedures, specifies test equipment, and designs test fixtures and setups for simple PCB and complex systems.
* Supports debugging of products by technicians, and provides training for new products and/or procedures.
* Performs failure analysis to correct product testing deficiencies or determine the root cause of failures of returned items (RMA).
* Interface with customers on test correlation and test coverage issues and QA Inspector to schedule RMA repairs.
* Identify areas needing improvement and work to implement new tools/procedures to improve efficiency and effectiveness.
* May prepare spreadsheets, graphs, and reports to document and analyze test results, and SPC analysis of new test fixtures/techniques to validate or establish monitors of critical test processes.
* Provide technical direction and training to others in the test area. Other activities as conditions require.

**Qualifications:**

* Academic: BSEE required. Qualifying industry and job experience acceptable.
* Very good understanding of analog and digital electronics and microcomputer-based systems.

**Experience:**

New College Grad (NCG) to 5 years of experience

**Knowledge:**

* Excellent communication skills (verbal and written) and attention to detail and accuracy.
* Comfortable with schematics, some hands-on circuit building/debugging, and the use of general-purpose test equipment and computers.
* Experience with some programming/scripting language(s) to develop test programs and/or analysis tools.
* Experience with National Instruments hardware and LabVIEW programming preferred.
* Basic understanding of Statistical Process Control (SPC) analysis techniques.
* Professional, dependable, high-energy level, and self-motivated with excellent attention to detail and accuracy