

Job Title: Test Engineer

Job Duties: Responsible for setup, sustain, improve and develop the test system, both in software programs and equipment. Perform various materials and electrical characterizations and inspections of compound semiconductor devices for solving process integration issues in a semiconductor fabrication line. Analyze and evaluate the test results. Troubleshoot and identify problems to suggest resolution. Interact with customers and other process engineers at the technical level to define and optimize device parameters and process flows based on test results, and to assist in the reduction of production costs. Establish documentation for the testing work instruction and train the relevant personnel. Assist in the definition of internal quality control standards and statistical process control.

Requirements: Master's degree in Materials Engineering and six months research or work experience in semiconductor physics and fabrication, characterization of semiconductor materials and process, validation and verification tests and root cause analysis, programming in C/C++ to control electronic testing equipment, such as probe station, power supply and multimeter.