



manufacturing partner
to innovators



Test Engineer

Company:	SMTC Corporation	Location:	Fremont, California, USA
Department:	Engineering	Reports:	Engineering Manager

Company Overview:

SMTC is a global Electronics Manufacturing Services (EMS) provider with over 25 years of experience working in partnership with Original Equipment Manufacturers (OEMs) in computer, industrial, communications, consumer, medical and renewable energy markets.

- **SMTC** has 4 manufacturing / technology centers worldwide, approximately 550,000 square feet of capacity, and more than 40 manufacturing and assembly lines. Our global footprint includes operations in Canada and the United States and low cost/higher volume manufacturing in Mexico and China.
- **Our customers are the heart of our business.** We go to great lengths to build strong, synergistic relationships with our customers and business partners worldwide. That's why so many SMTC customers have been with us for more than 7 years, and some for more than 15 years.
- **Our services, processes and capabilities deliver customer value.** SMTC provides global end-to-end solutions including design, new product introduction, manufacturing, supply chain management, and after-sales services for the whole product lifecycle.
- **Our people make it happen.** SMTC employees are responsive, results-oriented professionals with a track record for innovative, flexible solutions focused on customer needs. Our expertise in quality, technology and supply chain management offers customers a distinct competitive advantage.

SMTC common shares are listed on the NASDAQ under symbol SMTX. SMTC exchangeable shares are listed on the Toronto Stock Exchange under symbol SMX.

Position Overview: The Test Engineer provides dedicated engineering support to critical test areas for effective real-time issue resolution, product support and optimization.

Key Responsibilities:

- Maintain test equipment and support test program development of the Agilent 5DX, Agilent 3070, and TAKAYA APT-9411SL flying probe machines.
- Develop technical test process instruction to support production and new product releases.
- Training production personnel on test equipment and procedures.

- Lead test engineering group, providing expert technical solutions to test design problems.
- Interface with customer and manufacturing department to insure testability of products.
- Perform testability analysis on circuit board designs while interfacing with customer to insure a testable design.
- Support production testing of circuit boards, sub-assemblies and systems integration by providing assistance in troubleshooting and debugging software and hardware.
- Determine testing guidelines, test equipment requirements, selection of test equipment and selection of software packages.
- Additional responsibilities include development of schedule, cost data, and presentation to management and customers.

Required Qualifications and Experience:

- Bachelor's degree in Computer (industrial, mechanical, electrical) required
- Minimum of five years engineering experience working as a test engineer or equivalent in the EMS industry.
- Direct experience working on Agilent 5DX, Agilent 3070, and TAKAYA 9411 flying probe machines.
- Knowledge of boundary scan, ICT, AXI, Flying Probe, and functional test methodologies.
- Experience and knowledge of C/Unix preferred.
- Experience and knowledge with factory automation software (Labview, Lab Windows).
- Experience and knowledge with Windows driver and hardware management.
- Effective problem solving and organizational skills
- Effective communication skills (written and verbal)
- Strong interpersonal skills and the ability to work within a team environment
- Excellent computer skills (Lotus Notes, Office, AutoCAD, CAM an asset)

APPLICATION PROCESS: All applicants interested in this career opportunity should send their cover letter and resume to corporatehr@smtc.com and quote the position title in the subject line.

Please note that only those applicants selected for an interview will be contacted directly.