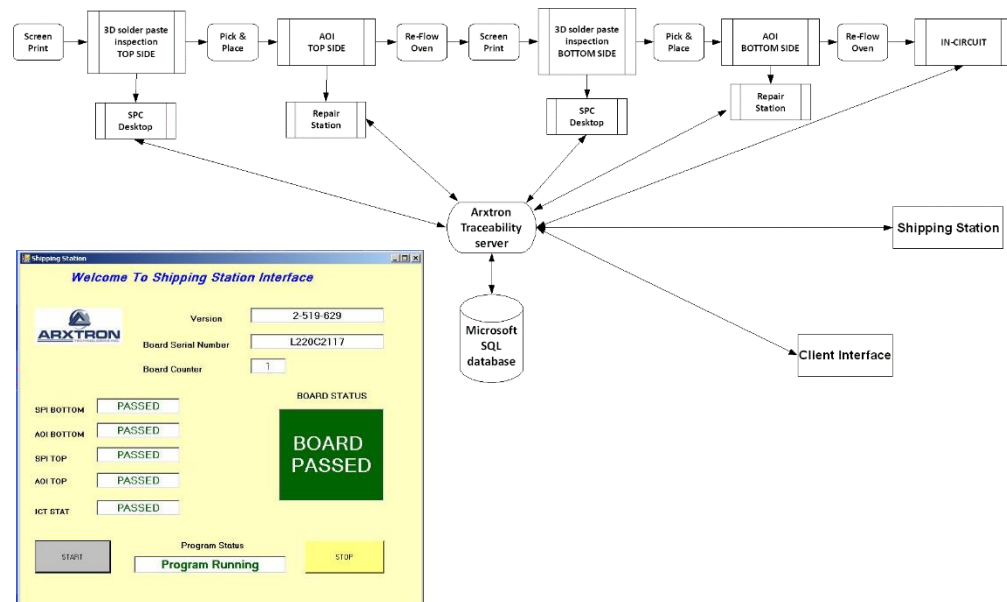


DATA COLLECTION AND MANAGEMENT

Arxtron Technologies offers solutions that allow customers to collect, interface, manage and visualize manufacturing and test data to keep the process under control and help drive process improvements and corrective actions. Our data collection solutions can be divided in three categories:

- LOG2CSV solutions translate data locally at the test station level into CSV format.
- LOG2DB solutions translate data and interface with the customers' commercial database system to log the data. Example of commercial databases are ORACLE, ITAC, CIM.
- TRACEABILITY SYSTEM is a total solution that allows customer to translate, collect, store, manage and visualize the manufacturing and test data factory-wide from kitting to shipping.

All our solutions are customized to the specific needs of our customers.



LOCATION AND FACILITIES



Arxtron Technologies has a 6400 sq ft facility. We are located near HWY 401 and HWY 403 not far from Toronto Pearson Airport.

OUR MISSION

To develop long term partnerships with our customers. Rooted in a deep knowledge of our customers' process, we leverage our thorough and documented processes to create customer's profiles, learn from customer feedbacks and drive our customer's process continuous improvement.

GLOBAL SUPPORT

Arxtron Technologies covers directly the North American territory. Present in both Canada and the U.S., our engineers can be deployed for on-site installation services, post-sale support, ECO implementations and any other time-critical needs. We also provide support installing and deploying test applications in Asia and Latin America through a vast network of partners.

CONTACT INFORMATION

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TOMORROW'S SOLUTIONS FOR TODAY'S CHALLENGES

- Functional test systems and turnkey solutions
- Device programming solutions
- In-circuit test fixtures and applications
- In-system (ISP) programming
- Design for testability (DFT)
- Boundary Scan (JTAG) solutions
- Data Collection and management
- Custom design solutions



Solutions Partner
Extending our solutions to meet your needs

FUNCTIONAL TEST SOLUTIONS



Arxtron Technologies offers functional testers for a wide variety of industries and applications. Arxtron testers are built to fit customer needs in terms of cost, footprint, reliability, throughput, ergonomics, safety, operator interaction, test data logging, maintenance and portability. Arxtron expertise spans over a wide variety of industries, applications, instruments, platforms and test executives:

- NI Lab Windows CVI, NI LabVIEW, VEE Pro
- C/C++, Visual Basic, .NET
- NI TestStand, Agilent TestExec
- GPIB, RS232, PCI, PXI, VXI, USB, LXI
- I2C, CAN, LIN, SPI, IEEE-1394 etc...
- Bench top and Rack & Stack solutions
- Pneumatic, vacuum and manual fixtures



- Automated test equipment (ATE)
- Manual tester custom board design
- Label applicators and laser engraving
- Leakage testers
- Conformal coating and potting stations
- Automotive, Medical, Telecom & RF/wireless

RF test engineering

- Fully automated RF tests through Arxtron's test management software.
- Design and build. Of anechoic test coffins
- Transmitters, receivers and antennas testing.
- Integration of Spectrum Analyzers, Signal Generators, Vector Network Analyzers and RF Power Meters Sensors depending on test requirements.



- Accurate and reproducible test results (GR&R, cpk).
- Multiple UUTs tested in parallel.
- Large spectrum of customer applications (e.g. radar automotive, Wi-Fi, Bluetooth, ZigBee, etc...)

Arxtron's test management software

- Proprietary Test Executive developed by Arxtron
- Real time test management.
- Multi-threaded execution and multi-process capability.
- Parallel Testing to increase test throughput.
- Multiple test sequences support in test executive.
- Publish test results locally (i.e. XML, CSV) and to a SQL server.
- Production interface with test time, cycle time and yield display and tracking.
- System hardware troubleshooting through debug interfaces.

CUSTOM DESIGN SERVICES

Whether you need to improve your product, solve bottlenecks in your process or simply require customized products for your production line, Arxtron Technologies has the answer. With our team of engineers and our design and R&D resources, we work with our customers to address very specific needs that arise from a specific production line setup or from a specific process. Our design services include:

- R & D
- PCB layout and build
- Box build
- Custom mechanical solutions



Turnkey solutions tailored to your needs



BOUNDARY SCAN SOLUTIONS

Boundary scan (a.k.a JTAG) offers a lower cost and faster deployment alternative to In-circuit and functional tests. Arxtron Technologies offers a full development service using Keysight x1149 Boundary Scan Analyzer including:

- JTAG Infrastructure test
- Opens and Shorts
- Silicon nails testing (a.k.a Cluster test)
- ISP programming (CPLD, PROM...)
- IEEE 1149.1 and IEEE 1149.6
- CoverExtend™ for ICs, connectors and sockets.
- Scan Chain Linker for multi-board systems
- Intel SVT Technology support

CARRY-ON FIELD TESTERS

Portable testers are essential for field diagnostics and repair especially for the automotive industry. Arxtron offers standalone portable testers as well as laptop



DEVICE PROGRAMMING SOLUTIONS

In high volume applications where throughput and line heartbeat (takt time) are critical, device programming needs to be separated from In-circuit and/or functional tests. Arxtron Technologies offers a wide range of dedicated Device Programming Stations with varying footprints and supporting multiple programmers and targets and featuring:

- Automated firmware management
- Dynamic data programming (Serial number etc..)
- Gang programming
- Full traceability



IN-CIRCUIT TEST SOLUTIONS

Arxtron Technologies has been in the In-circuit application development business for more than 10 years after it took over the Keysight (formerly Agilent Test and Measurement Group) Canadian application centre. We have been serving a variety of customers focusing on high end complex products (Telecom, Medical, Servers) as well as Automotive and consumer electronics customers. We are also a Keysight solutions partner. Our In-circuit services include:

- CAD translation and access analysis
- Design for testability (DFT)
- Schematics analysis & strategy development
- Fixture design, build and vendor management
- Pneumatic, Vacuum, & Wireless fixtures
- FEA Strain analysis and strain measurement.
- Dual stage and Functional / combo test
- Panelization, Multiple PCBs & board versions
- Power-up and Power down sequencing
- Advanced digital, mixed and cluster testing
- Advanced Boundary Scan (1149.1, 1149.6)



- Limited access solutions
- High node count
- Vectorless/Testjet, VTEP, IVTEP
- Silicon nails, CoverExtend
- LED color and intensity test
- Switch activation test
- Parts height detection - Switch probes
- Functional test and external instruments
- In-system Device Programming
- PLD ISP and Flash ISP
- Utility Card ISP programming
- External device programmers integration
- Board grading, coverage report
- Statistical analysis (Cpk reports)
- On-site installation & remote support.
- Test program & fixture documentation
- IQ/OQ qualification for medical products
- Custom Datalogging (SQL, ORACLE)
- Bead probe applications

