

600 Series Compact ATE Platform

Overview

- **Fully automated functional test and programming**
- **Capability to test or program multiple products with quickchange fixture drop-ins**
- **Self-contained compact enclosure & small footprint: under four square feet**
- **1U PC internal to the case, or PXI controlled**
- **Integral UPS**
- **Color touchscreen**
- **Keyboard/mouse**
- **Sloped top for ergonomic fixture access**

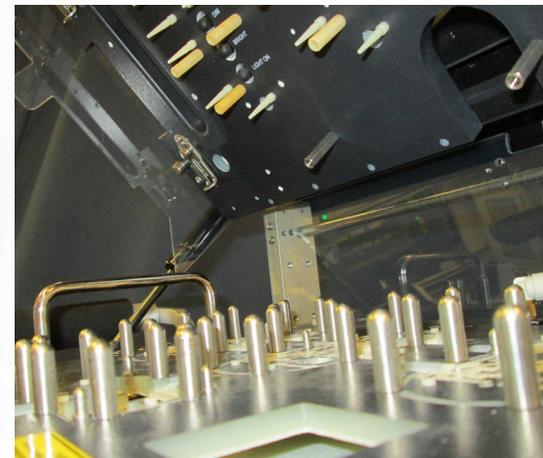
Applications

- **Programming station**
- **Board-level ATE**
- **Unit-level ATE**
- **Depot repair station**
- **Replaces manual test or programming procedures with accurate and repeatable solution**

The Circuit Check 600 Series Compact ATE Platform with built-in professional fixturing solves the uncertainty of repeatable results that are common with bench testing. With the 600 Series Compact ATE, test procedures can become automatic, with test steps and go/no-go limits easily programmable. Hand-probing is eliminated, replaced with accurate, repeatable tooling and reliable spring-loaded test probe fixturing.



A key to achieving the maximum value from automated test equipment is using the same test equipment and fixture mechanics to test multiple products. Circuit Check's 600 Series Compact ATE achieves this by using interchangeable fixture drop-ins. These drop-ins allow the same test system to be quickly reconfigured with new tooling and probe patterns for different products. This maximizes equipment re-use and minimizes the cost for each new test. Probing can support top, bottom or dual stage fixturing. The 600 Series is configured to customer specific test needs in order to maximize performance at a lower investment, supporting both traditional instrumentation and modular PXI.



Test System Engineering Expertise

Certified Project Management

- Dedicated project managers
- Corporate-wide ERP
- Time, cost and risk management

Factory Line Automation

- Indexed, rotary tables
- Palletized systems
- Lean cell manufacturing

Industry Standards

- CE, UL, CSA, and ISO compliant
- ITAR, IEC, IEEE
- IPC-A-610 (cable assembly standard)
- IPC-A-620 (PCB assembly standard)

Test Systems

- Model and design – CAD, documentation
- Electrical – wiring, labeling
- Mechanical – pneumatics, shielding

Test Fixturing

- SolidWorks® modeling
- Complete machining centers on-site
- Quick-change fixtures and adapters

Test Software

- LabVIEW®, LabWindows/CVI, TestStand®
- C/C++, .NET, C#
- Python
- CCITest, CIMTest



600 Series Benchtop ATE Platform

Total System Support

Circuit Check supports all aspects of the system development process including electrical and mechanical design, software development, fabrication, system integration, deployment and support. With a modular functional test system from Circuit Check based upon commercial off the shelf instrumentation, our customers accelerate deployment of production test strategies at reduced investment costs.

Scalable Instrumentation for Flexible Measurements

The 600 Series Compact ATE is configured to customer specific test needs in order to maximize performance at a lower investment, supporting USB, Ethernet, PXI, and LXI instrumentation.

Flexible Solutions Specific to Verification & Production

Our test systems are based upon modular technologies to accelerate deployment and enable capital equipment reuse. For over 40 years, Circuit Check is the partner of choice delivering thousands of systems and hundreds of thousands of fixtures worldwide. We understands the needs for test platforms that must operate in production test environments while preserving measurement correlation to design and validation.

Programmers Supported

- Cyclone Pro
- Segger
- Ember
- Teridian
- MicroChip
- PICKit
- JTAG, Serial USB, SPI/I2C programming



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