

800 Series Standalone with Drop In Platform

The Circuit Check 800 Series ATE provides the versatility of utilizing the economical drop-in fixturing present in the 600 Series or an integrated dedicated fixture, while simultaneously providing the increased test equipment capacity of the 1000 Series. This combination produces a cost effective full turnkey test solution.



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 800 Series 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.

Modular Chassis Architectures for Lower Lifecycle Costs

The 800 Series ATE is built upon a modular test rack architecture for ease of maintenance and redeployment as test system needs change. Each 800 Series includes:

- Nineteen (19) inch racks to allow for easy rack mounting of test equipment and rear access.

Overview

- **Enhanced cooling**
- **Integrated ESD top**
- **Fully automated functional test and programming**
- **Self-contained compact enclosure & small footprint: under six square feet**
- **Scalable architecture**
- **Integral UPS**
- **Color touchscreen**
- **Keyboard/mouse**
- **Ergonomic height for operator load/unload**
- **Equipment maintenance access**
- **Integrated probe plate**
- **Capability to test or program multiple products with interchangeable fixture drop-ins**

Applications

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

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



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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.

Flexible Solutions Specific to Verification & Production

Circuit Check test systems are designed upon modular instrumentation platforms. This results in accelerated system deployment and provides for 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.

Circuit Check understands the needs for test platforms that must operate in production test environments while preserving measurement correlation.



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