WHAT SETS CIRCUIT CHECK APART...

Our fully integrated test engineering value stream includes PCB and functional product test expertise, integrated world class software engineering, machining, drilling and fabrication facilities. A dedicated project management process ensures continual communication with you through the design, build, verification, acceptance and lifecycle management stages.

Test Systems
- High/low Volume Production
- Validation System
- Bench-top Programmers
- Repair/depot
- Measurement Automation

Services
- Turn-key Test System Design
- Build-to-Print Test System Build
- Specification Development
- Sustaining Engineering
- PCB Finite Element Analysis
- Fixture-to-PCB Strain Gauge Analysis

Products
- Complete Functional Test Systems
- In-Line Automation
- Functional Test Fixturing
- Test System Analytics Software
- In-Circuit Test Fixturing

Platforms
- CCI 1089 Configurable ATE
- CCI Compact ATE
- CCI 689 Flash Programmers
- CCI Smart-Grid Tester
- Signature Series Functional Fixtures

Industries
- Automotive & Transportation
- Medical Devices
- Military & Aerospace
- Broadband
- Industrial & Energy
- Consumer Electronics

From concept to production... your Global partner for functional test systems, test fixtures, and engineering services.

Total Test Solutions,
Testing Life’s Ideas
**Right-solutions…**

**Flexible solutions specific to your Design Verification and Manufacturing test needs**

- Reduce fixture cost with Circuit Check’s drop-in product adapters.

**From the start**

Circuit Check test systems are based upon modular technologies to accelerate deployment and enable capital equipment reuse. For over 30 years, Circuit Check is the partner of choice delivering more than 10,000 solutions and 100,000 fixtures worldwide.

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### ENGINEERING EXPERTISE

- Certified Project Management
- Dedicated Program Managers
- Corporate-wide MRP
- Time, Cost and Risk Management
- Factory Line Automation
- Indexed, rotary tables
- Palletized systems
- Lean Cell Manufacturing
- Industry Standards
- CE, UL and ISO compliant, CSA certified, 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#
  - Verification documentation
  - Broadband RF

### ADVANCED TEST SYSTEM FIXTURING

- Our Auto Align patented self aligning design allows connectors to accurately align with those on the unit-under-test.
- Quick Plate guided probe plates allow contacting test pads as small as 0.016”.
- Our patented Quick Check allows fast and easy identification of loaded P-pin locations on wired and wireless fixtures.
- Micro Pitch probe technology allows contacting test pads as small as 0.016”.
- Multi Stage combines multiple test levels in a single fixture using controlled actuation and selected probe travels for powered and unpowered tests.

### TOTAL TEST SOLUTIONS

- Test System Integration
- Functional Test Fixtures
- In-Circuit Test Fixtures
- Global Support

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### TYPICAL CASE STUDY:

An automotive assembly supplier requests Circuit Check to review its test requirements, current test plan and design validation data for a new year model product. Circuit Check refines the testability matrix for the product, improves the critical test parameter plan for manufacturing and quality control, while working with the outsourced contract manufacturer to develop and deliver a test system to support high volume production. Value to our customer: expert test engineering when and where you need it.