

# 300 Series Benchtop ATE Platform

The Circuit Check 300 Series benchtop ATE Platform with built-in professional fixturing solves the uncertainty of repeatable results that are common with bench testing. With the 300 Series Benchtop ATE, test procedures can become automatic, with test steps and go/no-go limits easily programmable in common tabular form. Hand-probing is eliminated, replaced with accurate, repeatable tooling and reliable spring-loaded test probe fixturing.



The 300 Series Benchtop ATE is designed to be a lower cost test system offering specific customization options to ensure accurate measurements and mechanical longevity. Included within the 300 fixture are many of the common bulkhead interconnects, such as LAN/USB, as well as an emergency stop and cross draft fan system to adequately ventilate heat. The USB bulkhead can be used to add a handheld barcode scanner or label printer to the system.

## Overview

- **Self-contained benchtop enclosure**
- **Bottom sided probing**
- **Controller PC with LAN/USB bulkhead connectors**
- **Modular USB or Ethernet instrumentation**
- **Sloped top for ergonomic fixture access**
- **DeStaco drive overclamp fixture built into the system**
- **Options: Touchscreen, barcode scanner, label printer**

## Applications

- **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.

### Scalable Instrumentation for Flexible Measurements

The 300 Series Benchtop ATE is configured to customer test requirements in order to maximize performance at a lower investment, supporting USB and Ethernet instrumentation.

### 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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