

Providing Industrial Smart Connected Solutions

As more and more devices are being designed with inherent intelligence and the ability to connect and communicate, the amount and complexity of electronic content is continuously increasing for our industrial customers. They need the ability to quickly and efficiently verify proper operation of these products as they flow off the production line. Circuit Check responds to these needs by offering a wide range of solutions from consulting to complete test system and software design. We also offer adaptable support solutions to ensure proper equipment operation throughout its life cycle.

Our industrial customers need a test solutions partner to help solve some of the most complex test challenges. Circuit Check partners with these organizations to eliminate potential test risks and ensure the test system is built with the highest quality and reliability.



Capabilities

- **Building Automation**
- **Intelligent Utility Water/Gas Meters**
- **Appliance White Goods**
- **Motor Drive and Controls**
- **Display and Digital Signage**
- **Electric Vehicle Charging Station**
- **Electronic Point of Sale**
- **Machine-to-Machine Control**
- **Transportation control**
- **Smart grid**
- **Vision systems**
- **Security systems**
- **Energy management**
- **Green technology**
- **Robotics**

“

Over 40 years of experience building complete test systems for the industrial market.

”

Circuit Check's Expertise and Benefits

Design & Verification through High Volume Production

We provide end to end electrical design, software development and verification of each test system we build. Our robust test systems can withstand the high volume production requirements of the industrial market.

Connect to your Device Under Test

Circuit Check is the leader in test fixture design and fabrication. Circuit Check's experienced engineers develop innovative solutions to meet our customers' needs - reliable and cost-effective test systems for each product under test.

Repeatability & Longevity

Our customer's need a test system that will last and withstand hundreds of thousands of test runs. Circuit Check's design quality and durability allows our customers to meet their cost-effective testing goals.

Documentation

Circuit Check specializes in reviewing documentation packages of existing systems and will provide updates for release to our customer's document control center. In addition, Circuit Check maintains documentation to build additional test systems and fixtures for increased manufacturing capacity.



Finite Element Analysis & Strain Gauge Testing

Circuit Check can easily pin point excessive strain on any of the model's surfaces and offer solutions to correct the issues. Providing finite element analysis results allows for precise changes to the fixture during the engineering process, resulting in a reduced amount of strain applied to the PCB. Similarly, strain gauge testing allows Circuit Check to reduce the strain on the product under test.

Quality, Reliability & Safety

Quality, reliability, and safety of your test systems is our top priority. Circuit Check projects include specification development following an ISO 9001 compliant design process that defines intended uses, design requirements, and the overall design plan for the test system. Once approved, the system is then designed and built to meet the documented requirements. Finally, the completed system is verified and validated against original requirements to ensure all design requirements and intended uses are satisfied.



6550 Wedgwood Road, Suite 120
Maple Grove, MN 55311

www.circuitcheck.com | 763.694.4100

UNITED STATES | CANADA | MEXICO | CHINA | MALAYSIA | UNITED KINGDOM

©2019