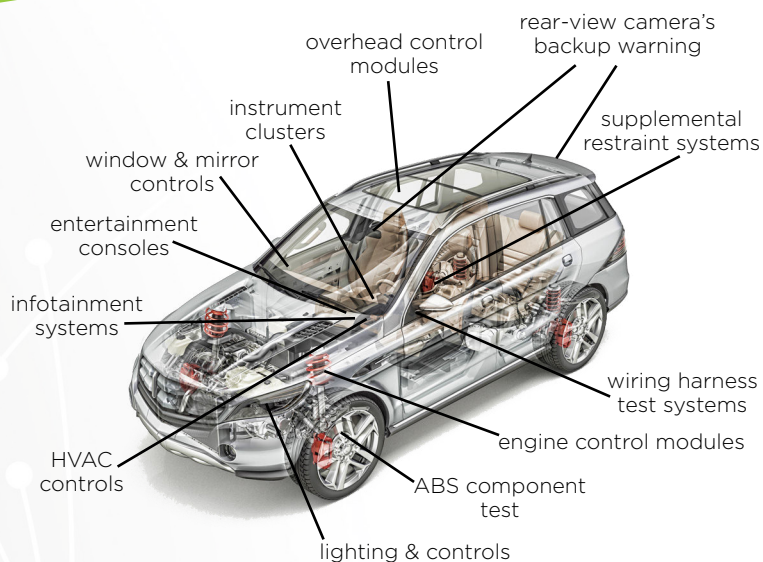


# Keeping Quality a top priority for the Automotive Industry

One of the most challenging applications in the field of automotive testing is manufacturing electronics. With each successive model year, the number of automated features increases. Every segment of the automotive electronics plays a role in the safety and reliability. These critical applications require high dependability and low maintenance and warranty costs. Our customers don't have room for error, hardware test systems must perform as designed. Circuit Check provides Automated Test Systems that meet the stringent needs of this marketplace.

Our automotive 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

- **Air bag controls**
- **Anti-lock brakes**
- **Cameras**
- **Climate controls**
- **Engine controls**
- **Infotainment**
- **Instrument clusters**
- **Lidar**
- **Light harnesses**
- **Lighting controls**
- **Oxygen sensors**
- **Radar**
- **Rain sensors**
- **Tire pressure monitor**
- **Transmission controls**
- **Window lifters**

“

*Over 40 years of experience building complete test systems for the automotive industry.*”

# 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 automotive industry.

## 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 needs.

## 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.



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