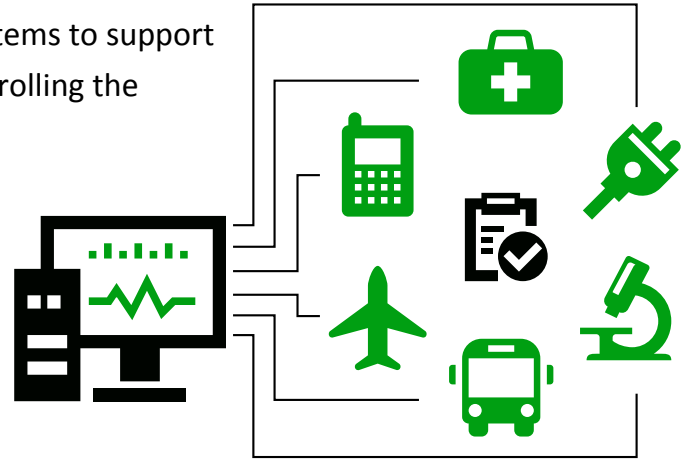
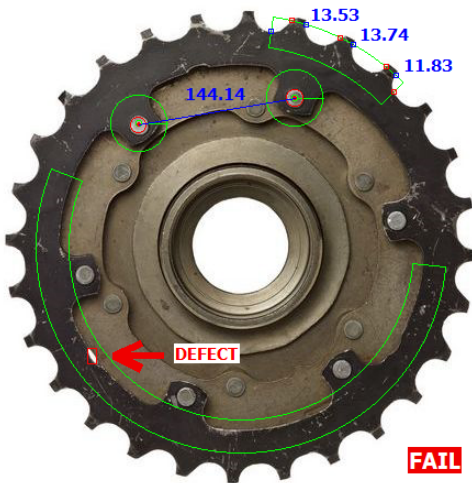


Synovus Solutions designs automated test and controls systems to support engineering, scientific and manufacturing activities. By controlling the processes with a computer, Synovus can help you achieve:

- Shorter production test time
- Improved reporting capabilities
- Control of experiments lasting weeks or months
- Responsiveness required by highly dynamic systems
- Repeatability of subjective visual measurements



Perform difficult measurements with Machine Vision



Many measurements are too complex to automate with traditional instrumentation. They can also be error prone and very slow when relying on the eyes of an operator. By using computerized image analysis, Synovus Solutions can offer you:

- Contactless thermal measurement on high power electronics
- Check for missing components in assembly
- Dimension measurements and relative positions of objects

These features can also be done on videos to quickly process tens of thousands of images.

Harness the full power of LabVIEW™ and TestStand™

Synovus Solutions offers professional **LabVIEW™** and **TestStand™** consulting and contracting services. From simple to large and complex applications, our Certified LabVIEW Developers (CLD) can help you achieve your objectives faster and make your team more efficient by sharing our knowledge to improve your processes.



Reduce costs with hardware In the Loop (HIL) simulator

By using models running in a dedicated Real-Time (RT) computer such as the CompactRIO, most system level testing can be replaced by an automated test. **Synovus** can help you reduce your time to market and improve the reliability of your products by providing:

- Faster and more frequent design validation
- Streamlined regression testing
- Improved test coverage
- Detailed feedback to developers and managers
- Coverage of dangerous limit and failure tests

Model



Simulation



CompactRIO



Controller under test

Control and signal lines
Communication

Adjustable power supply

Simplify™ your Automated Test Equipment (ATE)

Simplify™ is a robust platform for creating reliable and scalable ATEs in a timely manner. It includes a large collection of advanced functionalities written in **LabVIEW™** and a reconfigurable instrumentation box packaged in an industry standard format. Some of the key features are:

- Advanced graphing capabilities
- Automation through user configurable scripts
- Support for real time targets
- Ability to test multiple parallel channels
- Simplified electrical connections

