S5 Solutions

Innovative Solutions for Unique Product Design, Manufacturing & Testing Challenges

S5 Solutions is a collaborative partner designing innovative solutions to product design, manufacturing scalability, and automated test challenges. We have extensive experience with products in highly regulated industries including FDA-regulated medical devices and FAA-regulated aerospace products. S5 Solutions helps you through the entire product design, manufacturing, and production process.

If you are facing some of these challenges, we can help.

Product Design & Development	Improve & Optimize for Manufacturing	Implement Automated Test Equipment for Manufacturing
• Need to create a manufacturable product prototype?	• Want to transition from in-house manufacturing to contract manufacturing?	• Need to replace or implement a new automated test system?
• Want to test a new product's usability and functionality to validate market appeal?	• Need help identifying key test criteria to produce a repeatable quality product?	• Want to increase reliability and repeatability of test results or improve up-time?
• Need to move from internal to contract manufacturing?	• Want to make product design changes to address quality issues during production?	• Need to boost manufacturing testing speed while maintaining product quality to increase throughput?
• Want to modify a prototype design to enable small-scale complex production?	• Need to lower the defect rate and improve First Pass Yield (FPY)?	• Want to adapt an existing test system for a new product?
• Need to replace manual or time-consuming recording of required regulatory data?	• Want to capture data for regulatory or legal reporting?	• Need to integrate test information into an existing system for reporting?

What You Gain Working with Us

- **Deep software and electrical engineering expertise** – *knowledge needed to transform a product idea into a complex prototype, prepare for full-scale production or improve testing control*

- **Efficient automated solutions** – *rapidly scale up production and get products to market faster, while optimizing product manufacturability and improving quality*

- **Custom-designed, premier-quality systems** – *meet today's engineering, production, and manufacturing requirements, while being flexible enough for tomorrow's needs*

- **Long term collaborative partner you can trust** – *helping solve unique manufacturing and testing challenges, and providing enhanced data tracking for improved management visibility*

- **Experts with a proven track record** – *experience gained from designing products, optimizing manufacturing, and delivering automated test solutions for almost 20 years*

S5 Solutions

What Our Clients Say

"They took only a week to do a deep dive assessment and get us on the right track. S5 Solutions is still iterating every design phase and constantly improving performance. They're really best of class."
> JW, Director of Product Management, Briotech

"The large-scale systems we have developed with ALOHA have come together in a remarkably short time and have shown excellent stability and scalability."
> LF, Test Engineer, Crane Aerospace

"We have been designing, distributing, and subcontracting biofeedback instruments since 1984, and S5 Solutions is the best. S5 Solutions was able to incorporate all my ideas into the new design and also offered some clever additions."
> Dr. JT, CEO, Zone Trac

Industry Experience

Medical Device/Life Science
- EKOS/Boston Scientific
- Fluke Biomedical
- Medtronic

Manufacturing/Industrial
- AR Modular RF
- Microvision
- Apergy / Quartzdyne

Aerospace
- Blue Origin Aerospace
- Korry Electronics
- Fatigue Technology

Automotive
- PACCAR
- WARN Automotive / Industries
- FLINT / Precision Scan

Technical Expertise
- LabVIEW, TestStand, and Python
- Hardware & Software Architectural Development
- System Design and Integration
- Embedded Programming
- Hardware Interfacing
- Data Acquisition, Analysis, and Reporting
- Web / Cloud Control & Monitoring
- Custom Database Integrations

About Us

S5 Solutions is a premier provider of custom-designed hardware and software solutions for a wide variety of product design, manufacturing scalability, and automated test challenges. The company's collaborative development approach helps bring products to market faster, optimize manufacturing processes, and increase product quality through improved testing process control with enhanced data tracking. For over 10 years S5 Solutions has developed innovative manufacturing and automated testing systems for a wide variety of companies in the Pacific Northwest, including those in the highly regulated medical device and aerospace industries. S5 Solutions is a National Instruments Alliance Partner with extensive LabVIEW Certified expertise.