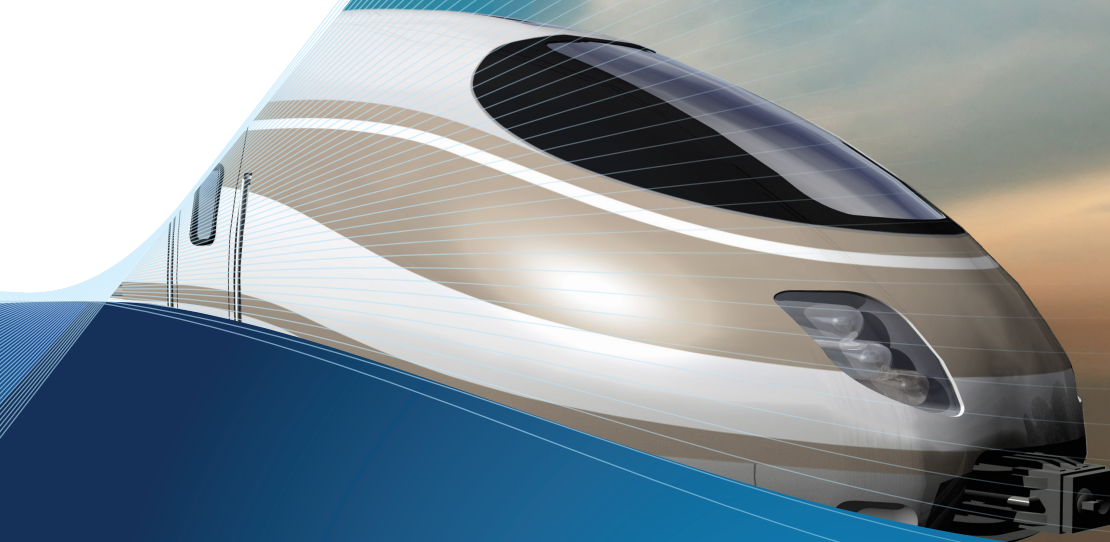


ASTRONICS
TEST SYSTEMS



TEST SYSTEM SOLUTIONS
ELEVATING *performance*

TEST SOLUTIONS



Innovative Test Systems for a Fast, Cost-Effective Path to Market

No time to think about test? One-size-fits-all testers not ideal? Existing solution no longer fits your needs? Then count on integrated test solutions from Astronics Test Systems. We'll assist you with your test strategy and your test system, setting you on the path to market at a pace and ROI that ensures your program success.

Astronics Test Systems helps you solve your toughest test challenges with a host of integrated test solutions for any high reliability application. With nearly 60 years of experience, we offer you customized solutions from a broad base of technologies and systems components to deliver your solution quickly, to your exact specifications, at any location worldwide.



Aerospace – Avionics
Automated Test System

Technology, Expertise and Logistics that Ensure Success

As your test solutions partner, Astronics Test Systems offers a breadth of technical capabilities and systems integration experience that exceed expectations in meeting your functional requirements, deadlines, and future supportability needs. Rely on our test expertise so you can spend your energies on bringing your product to market successfully. Overall, we offer “just enough test” for your program, providing you with:

- Test systems design including hardware and software integration
- Systems manufacturing with proven production control systems and strict supply chain management procedures
- Test procedure development
- Design verification and acceptance testing
- On-site commissioning, including installation, calibration and training
- Complete configuration-controlled documentation for quality repeatable builds, including drawings, user manuals and spares lists
- Logistics and ongoing support, including maintenance, repair, spares, training, and other services

Custom Test Systems Solutions

Examples of a few custom solutions we've provided over the years.



Military - Fully Configurable Missile Test System



Industrial - Factory Integrated Automatic Test System



Military - VIPER/T Rugged, Portable Automated Test System



Space - In-Orbit Satellite Payload Tester



Medical - Portable Defibrillator Test System



Military - CTS-6010 Portable, Hand-Held Radio Tester

Customizable Test Platforms

Product platforms that can be customized for your program quickly and easily.



Freedom™ 2 - Universal Functional Tester



ATS-3100 PXI Integration Platform



CTS-6000 Portable Test Platform

Technology Capabilities

We offer a complete menu of proven technology to build sophisticated solutions quickly and expertly.

Instrumentation

- Analog instrumentation suites
- Digital instrumentation suites
- Synthetic instrumentation

Switching

- DC to light
- Low power to high power
- Low voltage to high voltage

Signal measurement and generation

- Photonics, microwave, RF, DC, AC

Power

- Subsystems
- AC power distribution and control
- Protection systems

Advanced Technologies

- Optical systems for inspection, alignment, and quality
- Robotics

Automation

- Test processes
- Automated DUT handling
- PLC expertise



Software

- Test program sets
- Test executives
- Data logging
- ERP integration
- Remote equipment monitoring

Thermal

- Stress testing
- Thermal management
- Multiphase heating and cooling

Custom PCB development

Mechanical

- Standard and custom enclosures
- Custom panel development
- Wide range of chassis options
- Efficient, reliable cable design and management

“The Astronics Freedom Tester has turned out to be a perfect test system for us. During development, the Astronics Test Systems team consistently went the extra mile to add useful features and exceed our requirements. Support during the 15 months since the system was delivered has been outstanding. And having Astronics convert our L321 test software was faster, better, and cheaper than we could have done in-house. Overall, we are extremely pleased with the new test system.”



Charlie H., Orbital ATK



A Strong Heritage of Custom Systems Integration. We bring a wealth of experience and market knowledge to your program from industries including aerospace, military, transportation, space, consumer products, medical, and other mission-critical industries. Our scalable, upgradeable platforms help ensure top performance of your critical electronics, no matter your application.

Modular, Configurable Systems Approach. We work from a deep existing technology portfolio to provide your customized solution quickly and cost-effectively. From cabinetry and chassis to test instrumentation suites to software, we bring it all together for you in one elegant solution.

The Right People to Fuel Your Success. You set the goal,

and together the synergy of our partnership ensures your success. With a collaborative design workflow, dedicated program managers, a skilled workforce, and a global installation team we complete and install your programs quickly.

Everything Under One Roof. To maximize cost and time efficiency, we provide all of the technical expertise you need in one vertically integrated team offering electrical design, mechanical design, software design, machine shop, and test engineering.

End-to-End Lifecycle Management. We provide a complete plan for your system that includes installation, maintenance, future upgrades and supportability, and obsolescence plans.

Extensive Manufacturing Capabilities. Whether you need one system or hundreds, we can scale to meet your product ramp requirements. We offer more than 150,000 square feet of manufacturing capacity and certified manufacturing processes including ISO 9001 and AS9100.

World Class Partnerships. We'll integrate the best systems to build the right solution for you. We are a Gold Alliance Partner with National Instruments and also bring relationships with Keysight and other industry partners.



Customer Experience

Over the years, we've provided test systems to the world's largest customers to verify their critical systems.

- All prime aerospace OEMs
- Space agencies and OEMs
- U.S. and international military organizations
- Consumer product manufacturers
- Medical device manufacturers

About Astronics Test Systems

Astronics Test Systems ensures optimal performance of mission critical systems through innovative test solutions. With nearly 60 years of experience, we offer test expertise to electronics manufacturers in the aerospace, military, mass transit, medical and other high reliability industries.

We exceed your expectations with tailored solutions created from advanced technologies and with a collaborative spirit to achieve your vital time, cost, and performance goals. Our wide range of products and capabilities include integrated test systems, test instruments, training and simulation equipment, and custom engineering services.



Today the world's leading manufacturers trust our solutions to test billions of devices, ensuring the reliable performance of everything from advanced military missions to commercial air travel to your everyday commute to work.

Start Your Solution Today

Put our history of innovation and engineering expertise to work for you. Get started by contacting us today.

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