N-GEN™ Engine Test System
Top Flight Engine Testing in a Proven, Turnkey Solution

Overview
Elevate your engine testing with the N-GEN™ Test System from Astronics Test Systems. This turnkey solution provides a complete test environment for any type of engine testing, at any location.

From data acquisition through complete control rooms and facility integration, Astronics provides a system that is customized to your needs, your facilities, and your engine types. This system is ideal for:

- Thrust jet engines
- Turbo prop engines
- Shaft engines

Astronics Test Systems delivers your solution with an open architecture and industry standard software for easy configuring and efficient operation. Test engines faster while reducing costs with the N-GEN™ System.

For more than 20 years, the N-GEN™ Test System has successfully tested a spectrum of engine types in maintenance environments worldwide.

Description
From new engine verification to test and troubleshooting, you can test virtually any jet engine with the N-GEN™ Test System and the comprehensive solution Astronics provides.

Systems:
- Engine and facility control and monitoring
- Data acquisition systems based on standard LabVIEW software
- Fuel supply and monitoring
- Test cell enclosures
- Complete control rooms
- Associated electrical systems
- Closed circuit visual monitoring and recording systems
- Communications systems

Services:
- Test program development
- Integrated logistics support
- Site analysis
- Documentation
- Program management
- Support for testing and correlation
- Training
- Warranty

Key Benefits
- **Save time and cost** - complete turnkey solution
- **Flexibility** - rapid reconfiguring for different engines and tests
- **Modular** - update and upgrade over time to maintain your investment; instrument independent
- **Safe and efficient** - in situ calibration
- **Fast set up** - mobile or fixed installations
- **Security** - Keeps OEM proprietary engine data secure
- **Perfect for manufacturers, MROs, and anyone testing commercial or military engines**

"We’ve enjoyed 100% customer retention to date"

-- Astronics Test Systems
A Modular, Configurable Architecture. Configure your system for single-engine or multiple-engine test facilities, or even for testing different engines from different manufacturers. The net-centric system interfaces makes upgrading and changing hardware fast and easy. The hardware is also isolated from the test program sets (TPS) to enable upgrades without costly software changes.

Secure Software. National Instruments LabVIEW software powers the system. Use the preloaded standard test program sets or easily develop and add new test program modules on your own. Data acquisition remains independent from your test program sets, based on your customer's data, and stored separately to protect your customer's IP.

For the U.S. Military, pre-existing test program sets are available for the TPTI, JETI, and SETI programs of the U.S. Navy

Best-in-Class Throttle Controls. The included computer-based throttle control delivers more features and functionality than any other system commercially available. Easily configure and reconfigure the single or dual output throttle system to operate multiple engine types. Operate in manual, semi-automatic, and automatic modes. Safety features include emergency stop, redundancy, and back-up modes. The rugged, durable design and simple user interface make it easy to use by any shop technician.

All From the Logistics Experts. Astronics Test Systems excels at delivering complete logistics support, with installation, training, and support engineers deployed to your location, whether on land or at sea. Our technical assistance team helps you establish and maintain your engine test capabilities at your facility. Time-proven quality and process procedures ensure efficient operational readiness that minimizes future downtime and repair. All support packages are tailored for your program requirements.

Get Started Today. For additional details, please contact Astronics Test Systems.

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PUT OUR EXPERIENCE TO WORK FOR YOU

The world trusts us with testing the highest reliability engines for the most critical of applications.

Partial List of Engine Test Experience

- F100-100 (F-15, F-16)
- F100-200 (F-15, F-16)
- F110-100 (F-16A/B)
- F110-129 (F-16C/D)
- F110-400 (F-14D)
- F402-408B (AV-8B)
- F404-400 (F-18A/B/C/D)
- F414-400 (F-18E/F)
- J52-408A (EA-6B)
- T56-425/427 (E-2C/E-2D)
- T56-427A (E-2C)
- T700-401 (SH-60J)
- T700-401C (AH-1W)
- T64-413A (CH-53D)
- T64-419 (MH-53E)
- CT7-8 (VH-71A)