

ATEC Dyna Series® for Engineering

Maximize Avionics Production Efficiency



ATEC Dyna Series is a modular automatic test system built for both engineering and high-volume avionics production. It enables reliable validation of complex electronic equipment supporting consistent product quality at scale.

ATEC Dyna Series® for Engineering

Reduce your product time to market

The ATEC Dyna Series is a scalable solution engineered to validate and test avionics systems for civil and military applications. It is specifically designed to support development of Line Replaceable Units (LRUs), where flawless quality is mandatory.

Designed for demanding environments, it helps teams maintain control, reduce interruptions, and ensure consistent execution across programs and product variants.



Key Benefits:

- Shorter time to market
- Reduced NRE Fees
- Continuous re-use of test script and models through the IVVQ (integration, validation) process
- Reduce the number of required test systems with seamless reconfiguration capability
- Ensure long-term system availability
- Adaptable to changing future avionics technologies requirements

Key Highlights:

- Reduce downtime with fast reconfiguration
- Adaptable to simple and complex use cases
- Increase efficiency thanks to U-TEST® real-time test software
- 25+ year product lifecycle commitment
- Robust maintenance services



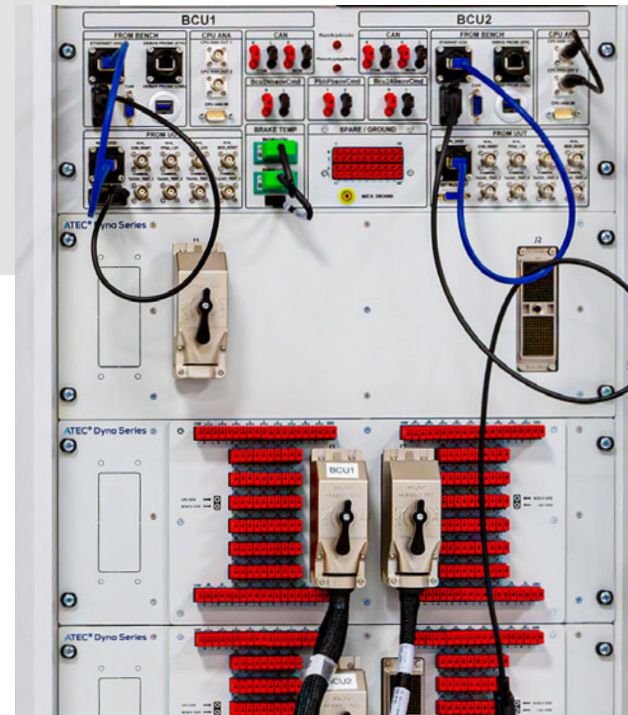
→ Test Performance that Drives Output

Adaptable test configurations to tackle all test cases without compromising performance

Run multiple test setups with one platform with its scalable and adaptable architecture. The ATEC Dyna Series® supports mixed variants and standardized test setups across the entire integration, verification, and validation cycle.

High Performance Testing Without Complexity

Validate complex avionics systems with accuracy and repeatability. Simplify setup changes without impairing latency, cycle time and overall performance.



→ Seamless Transition from Validation to Production

Align engineering and production testing across the product lifecycle. Reuse test strategies, maintain consistent results, and track production performance over time.

Reduce Costs with a Single System for the Entire Product Lifecycle

Rely on the ATEC Dyna Series for the entire lifetime of your product. With its adaptability and robust maintenance services, you can trust a single source.

ATEC Dyna Series® for Engineering



Comprehensive Test Coverage

Support a wide range of measurements, simulation, communication, and power functions. Cover key avionics interfaces and enable flexible test configurations for complex systems and edge cases.

Handle diverse signal types and system requirements while supporting reliable validation across different LRU designs and production scenarios.



Technical Highlights:

- **Simulation and measurement:** Discrete, Analog, RTD (PT100/500/1000), Strain gauge, RVDT Encoder, LVDT Encoder, Accelerometer, Valve, Tachometer, Potentiometer, Pin prog, Proximity sensor
- **Communication buses:** A429, A664, 1553, CAN, RS232/485/422, Ethernet
- **Power supplies:** DC and AC
- **Loads:** High/Low power for DC and AC
- **Switching system:** Low power, high power, high speed, matrices, distributors
- **Model refresh cycle:** Down to 500µs
- **Supported Model Import format:** MATLAB/Simulink, SCADE, ControlBuild, FMI, etc.

→ Optimize avionics engineering testing with a scalable and high performance ATE solution. Contact us to learn how the ATEC Dyna Series can improve engineering efficiency, reduce time to market, and increase product quality.