ATEC Dyna Series® for Production

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 while maintaining throughput, reducing downtime, and supporting consistent product quality at scale.

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ATEC Dyna Series® for Production

Keep Production Running at Full Speed

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 batch manufacturing of Line Replaceable Units (LRUs), where minimizing downtime between production runs is critical.

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



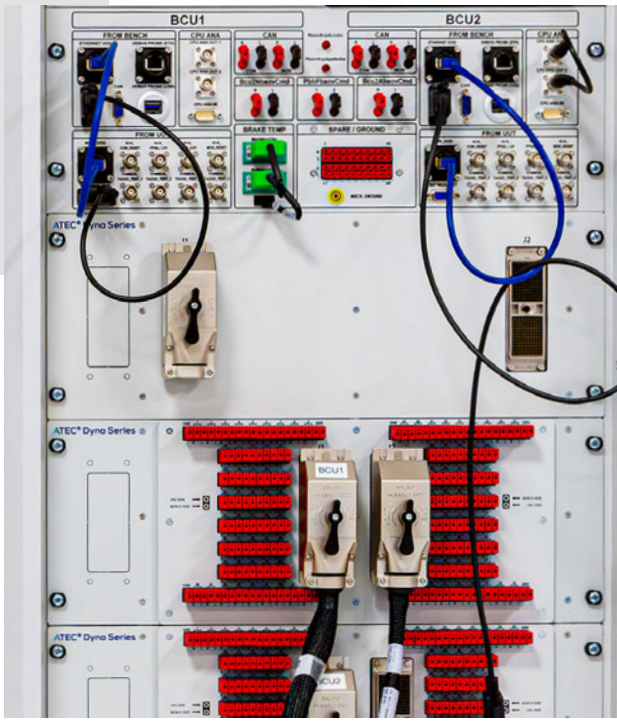
Key Benefits:

- Shorter equipment lead time
- Reduced NRE
- Move into production quickly with architecture re-use
- Reduce downtime between production batches
- Increase yield through parallel testing
- Accelerate ramp-up with advanced debugging
- Lower cost compared to multiple test systems
- Ensure long-term system availability
- Scalable to changing production requirements and future avionics technologies

Key Highlights:

- Maintain high throughput for complex systems
- Reduce downtime with fast reconfiguration
- Increase efficiency with parallel LRU testing
- Fast issue resolution during ramp-up
- 25+ year product lifecycle commitment
- Robust maintenance services





→ Test Performance that Drives Output

Parallel Testing to Speed up Production

Test multiple units in one platform and maintain stable production output. The ATEC Dyna Series® supports mixed variants and standardized test execution across programs.

High Performance Testing Without Complexity

Validate complex avionics systems with accuracy and repeatability. Simplify setup changes and reduce reliance on specialized expertise.

→ 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 fort he entire lifetime of your product. With its adaptability and robust maintenance services, you can trust a single source.

ATEC Dyna Series® for Production



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.

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



Technical Capabilities:

- **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

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

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