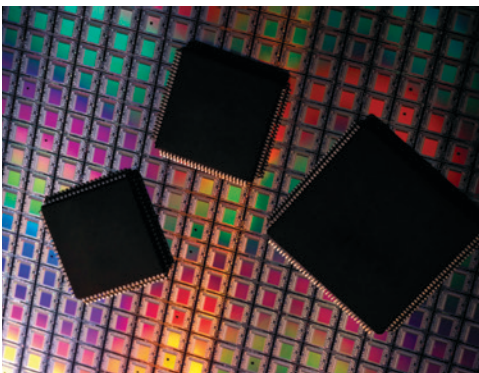# Military, Aerospace, and Manufacturing Test Solutions

We Make Test Easy™

MARVIN TEST SOLUTIONS

Marvin Test Solutions has delivered innovative, feature-rich test solutions for military, aerospace and manufacturing organizations since 1988. As a vertically integrated test company with a solution centric focus, our portfolio of PXI products, software and automated test systems offers the flexibility and innovation demanded by our customers. By leveraging our design and test applications expertise, we are able to take mission-critical, challenging test requirements and deliver turnkey solutions that are easy to use, simple to maintain, and enable our customers to achieve high levels of mission readiness.

Inspired by the demanding and critical nature of our customers' missions and products, we strive to be the world's most respected, best-value test solutions provider with unrivalled customer support throughout a product's life cycle - from requirements definition to sustainment.

We Make Test Easy™

O-LEVEL FLIGHTLINE TESTERS

Marvin Test Solutions produces a broad range of innovative flight-line (O-Level) test solutions for 3rd, 4th, and 5th Generation fighters supporting legacy and smart weapon systems and munitions. These products include our advanced, multi-function SmartCan and laser source simulator, which are used on the fightline to verify operational readiness for both weapons and the armament systems deployed on both fixed and rotary wing platforms.

MTS-3060 SmartCan
Universal Armament Tester

- Supports pre-load and functional checks of legacy and smart weapons systems

- MIL-STD 1760 capable with testing of AIM-120 (AMRAAM) and JDAM systems

- Over 30 measurement channels

The innovative, hand-held SmartCan tester brings advanced test capabilities to the flight line.

MT3045
Hellfire Missile Simulator

- Support for all Hellfire variants (including Romeo)

- Pre-load monitoring & missile simulation

- Remote controllable for Hellfire integration and diagnostics

MT1888 Series
Laser Source Simulator

- Test laser guided munitions at the flightline

- Supports PRF & PIM codes

- Remote control option enables automated test

O/I-LEVEL TEST SYSTEMS

Marvin Test Solutions' Intermediate Level test systems support a range of armament and weapon systems for field, back shop and stores management applications. The PXI-based, MTS-2xx family of rugged field test sets supports a wide range of armament and aircraft platforms. Additionally, our innovative modular target simulator offers a compact, multi-platform test solution for supporting the testing of IR, TV/CCD and Laser guided munitions.

AN/TSM-205B
Hellfire System Test Set

- Supports all Hellfire & Longbow platforms and M299 launcher for O-level and I-level test
- Full parametric testing with diagnostics to the LRU level
- Interactive missile simulation with fault injection

MTS-207
Field Test Set Platform

- Built-in, shock-mounted 14-slot PXI chassis (seven 3U and seven 6U slots)
- MIL-STD-810G compliant for harsh environmental conditions
- Optional ultra-rugged touch-screen display or a rugged tablet PC for remote control operation

Based on the MTS-207, the PATS-70 platform supports flight line avionics testing for the A-10C aircraft.

MTS-206
Maverick/Hellfire System Test Set

- Supports field and back-shop testing of AGM-65 missiles, launchers and clusters and AGM-114 Missiles

- Full parametric testing with diagnostics

- Safety certified by USAF NNMSB

The MTS-916 product line offers a compact and flexible test solution for optically guided weapons.

MTS-916
Modular Target Simulator

- Target simulator for optically-guided weapons including Maverick, Paveway, and Hellfire

- Supports IR, TV, CCD, and Laser guided missiles and bombs

- Direct replacement for legacy target simulators, AN/DSM-129, AN/DSM-787, & SMU-127

DEPOT/I-LEVEL TEST SYSTEMS

MTS-235
F-35 Alternate Mission Equipment Test Set

- Full support for F-35 Alternate Mission Equipment (AME)

- Depot and back-shop testing of launchers, pylons and subassemblies

- Full parametric test with optional diagnostics

MTS-209
Common Armament Test Set

- Supports multiple platforms including F-16, F-15, TA-50, FA-50 and Hawk

- Field and I-level test capabilities

Combining I-level test capabilities with flight-line ruggedness, the MTS-235 and MTS-209 support a wide range of armament systems and aircraft platforms.
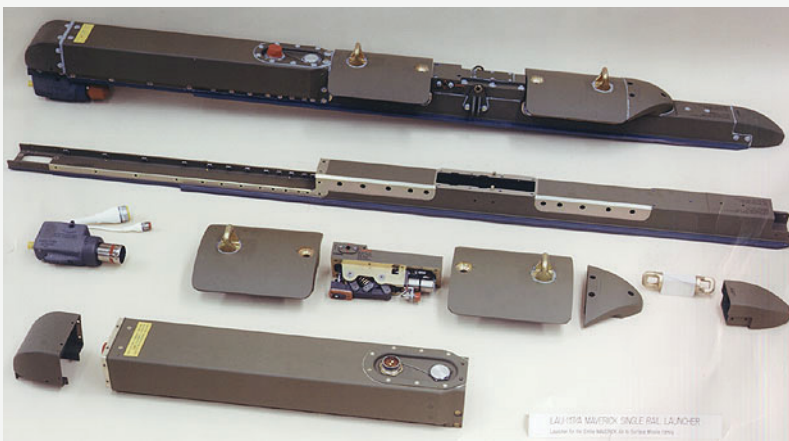
TS-2000

F-16 Stores Management System

- Intermediate-Level test set for the F-16 Stores Management System (SMS) Line Replaceable Units (LRUs)

- Full parametric test capability with built-in diagnostics to the circuit card level

The TS-2000 supports a full range of F-16 armament test capabilities for LRU and SRU assemblies.

DEPOT-LEVEL TEST SYSTEMS

Marvin Test Solutions' Depot Level test systems support a range of armament and weapon systems. The test systems' comprehensive test capabilities support LRU and SRU level testing as well as fault diagnostics to the component level. These test systems are deployed worldwide and have demonstrated reliability and performance over nearly two decades.

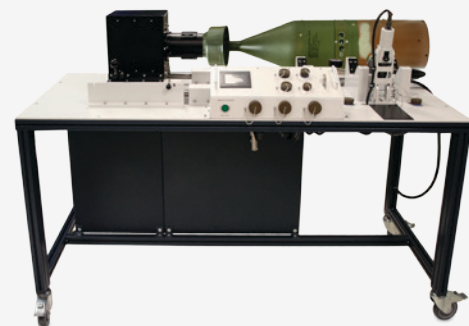## TS-376
TOW Missile System Test Set

- Supports functional testing of the TOW2 launcher's Optical Sight Sensor (OSS)

- Functional replacement for legacy Hughes 400 test stations

- Test capabilities for optical/IR alignment, boresighting, acceptance testing, and periodic verification of target trackers

TS-217
Universal Armament Tester

- Supports depot and intermediate level testing of armament systems LRUs and SRUs used on F-15, F-16, F-18, and more

- Optical bench option supports Paveway stores testing

- Full parametric test capability with built-in diagnostics to the subassembly or component level

When configured with the optical test bench, the TS-217 offers complete Paveway stores test capability for system, sub-system, and module components.

TS-201B
Longbow Launcher Test Set

- Supports depot, production, and intermediate-level testing of M299 and MM299 launchers and the launcher electronics assemblies (LEAs)

- Simultaneous testing of all 4 rails/stations with comprehensive functional test troubleshooting to the circuit card level or to the component level

- Upgradeable to JAGM configurations

TS-200
Apache Armament Test Set

- Supports depot and intermediate-level testing for the Apache armament systems

- Full parametric test capability with built-in diagnostics to the component level

The TS-200 offers comprehensive LRU and SRU test capability for the AH-64 Apache armament systems.
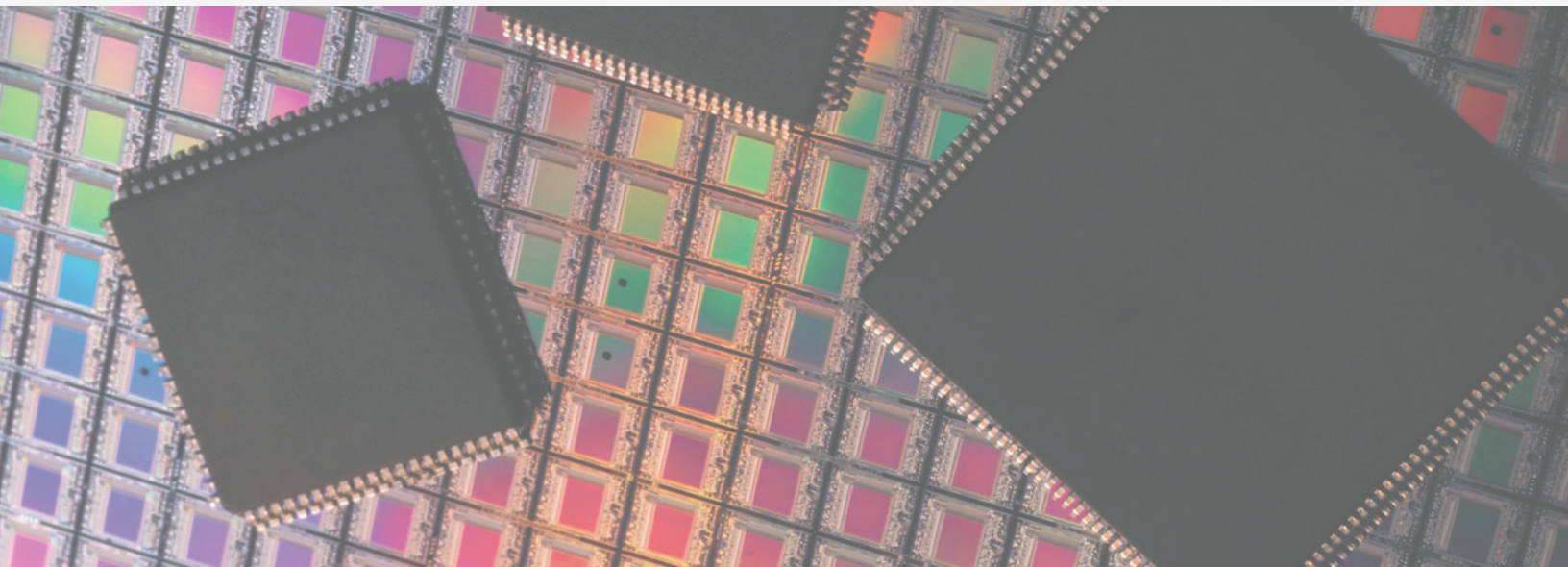
MANUFACTURING TEST SYSTEMS

Marvin Test Solutions' manufacturing test systems address a range of test applications, including semiconductor, board level, and system level functional test for the aerospace, industrial, medical, and transportation markets. Our PXI-based ATE platforms incorporate Marvin Test Solutions' hardware and software components including ATEasy, offering users innovative and configurable test solutions which address both current and future test needs.

TS-900
Semiconductor Test System

- Supports up to 512, 125 MHz digital I/O channels with PMU and timing per pin

- Application ready system offers a cost effective solution for digital and mixed-signal test applications

- Includes ICEasy test software tools - simplifying test creation and device characterization

- Supports parallel testing of up to 108 MEMS devices with 8 pins and 2 power supplies per device
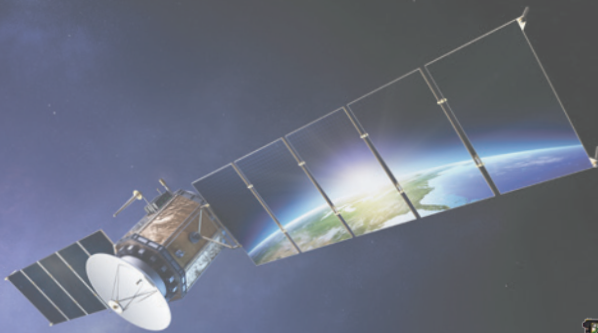
TS-700

Mixed-Signal Bench-top Test System

- Cost effective, functional test solutions for analog, digital, mixed signal and avionics applications

- High density test interface supports functional test of card and box level products

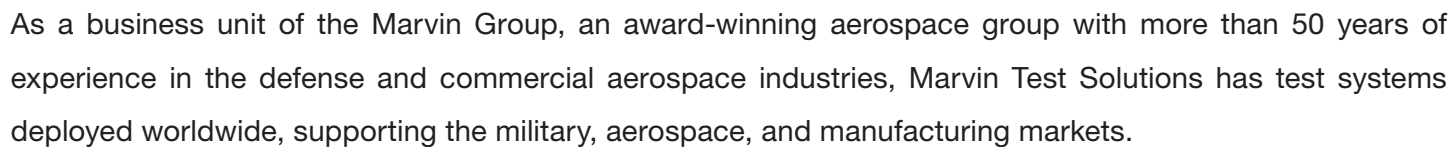- Compact platform - ideal for bench top test configurations

TS-323

GENASYS High Performance
Mixed Signal Test System

- Hybrid and multiplexed "any resource to any pin" architecture with over 4,500 test points supports testing of high value, mission critical products

- High-performance 50 MHz digital subsystem

- Ideal for upgrading / replacing legacy Teradyne L200/ L300 and Spectrum 9000, GenRad 2750 and other VXI-based systems

The GENASYS system provides performance test capability for complex, mission critical systems, subsystems, and board level assemblies.

MARVIN TEST SOLUTIONS | The Marvin Group

MARVINTEST.COM

As a business unit of the Marvin Group, an award-winning aerospace group with more than 50 years of experience in the defense and commercial aerospace industries, Marvin Test Solutions has test systems deployed worldwide, supporting the military, aerospace, and manufacturing markets.

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