F-15 Test & Support Equipment
Test Solutions from the Flightline to the Depot

MARVIN TEST SOLUTIONS The Marvin Group
AeroPrecision
Vertically integrated solutions including design, production, repair, overhaul, upgrades, maintenance, and training
F-15 Alternate Mission Equipment

LAU-128 Missile Rail Launcher
Modular missile rail launcher configurable for F-15, F-16, F-18 and other platforms

LAU-117 Maverick Missile Launcher
Analog & MIL-STD-1760 compatible launcher for the AGM-65 Maverick Missile

MAU-12 Ejector Rack

CATM Captive Air Training Missile
Simulates the AMRAAM missile used for training

SUU-20 Bomb Dispenser and Rocket Launcher
Multiple carriage & release of up to six practice stores and four 2.75” rockets
F-15 Test & Support Equipment

MTS-3060 SmartCan
Universal O-Level Armament Tester supporting legacy and “smart” weapons systems
marvintest.com/products/MTS-3060

MT1888 Series
O-Level, eye-safe laser target simulator for system level test of laser-guided weapons systems
marvintest.com/products/MT1888

MTS-916
Modular target simulator for AGM/TGM-65 missiles and GCSs including IR, TV/CCD, and Laser
marvintest.com/products/MTS-916

Flightline to Depot Test Solutions

AME Systems

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SMS & Munitions

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Common Armament Test Set supporting legacy and Smart AME

MTS-206
Maverick Field Test Set supporting all variants of the AGM-65, TGM-65, LAU-117 and LAU-88
marvintest.com/products/MTS-206

MTS-209
Common Armament Test Set supporting legacy and Smart AME
marvintest.com/products/MTS-209

TS-217
Depot-level Universal Armament Tester supporting launchers, bomb racks, and Paveway rounds
marvintest.com/products/TS-217

Laser Source Simulator Bench
Depot-level bench designed to support Paveway Laser Guided Bomb, fashioned after TTU-373
From the Flightline to the Depot

"Sustained commitment to product quality and innovation are among the characteristics Lockheed Martin has grown to identify in the service it receives from Geotest (Marvin Test Solutions)."

Barry Breslow, Senior Contract Manager, Lockheed Martin

Inspired by the demanding and critical nature of our customers’ missions, we strive to be the world’s most innovative, best-value test solutions provider. With more than 25 years of global experience in the aerospace and manufacturing industries, we are able to quickly deliver full-spectrum, successful test solutions for defense, commercial aerospace and manufacturing organizations from the flightline to the depot.

Download our armament test gap white paper at marvintest.com/armament.
Bridging the Armament Test Gap

Marvin Test Solutions

The U.S. Air Force (USAF) took delivery of its first F-16 aircraft which features "state of the art" technology including sophisticated avionics, electronics, and armament systems in August of 1979. This sophisticated armament resulted in the USAF fielding maintenance with a new generation of test equipment at the flightline, supporting operational and block level maintenance. One of the new pieces of test equipment the USAF fielded was a rack, handheld armament tester called the Armament Circuits Pre-Load Test Set (ACPLTS). The ACPLTS was round, cylindrical, and resembled a horn. Thus, the ACPLTS quickly earned the nickname "horn" among maintainers. The F-16 ACPLTS was a very simple device with a single measurement channel. To provide adequate flightline armament test capability, this piece of test equipment was coordinated with large box testers such as the M-7051 tester, which looks the flightline near the F-16 "horn" and compared (Figure 1).

The Armament Test Set

Over the years, F-16 pilots have received numerous upgrades to their avionics and armament systems including "smart" (B61, JDAM, and N/MLU) weapons technology. Yet, maintainers are still required to use the same or similar ACPLTS coordinated with the box test equipment fielded to verify those sophisticated armament and maintenance systems are full mission capable (FMC). This combination of box testers and ACPLTS equipment does deliver the capabilities needed to support today's smart weapons. The advanced smart armament and maintenance employed today, combined with obsolete or otherwise test equipment deployed on the flightline, has created an armament test gap because of the inability of today's ACPLTS to provide the necessary tools to test and maintain armament and weapons, the armament test gap represents major maintenance and readiness issues for maintainers and operations alike due to the accuracy of having to implement a multitude of workarounds on the flightline.

Closing the Armament Test Gap

Current generation test equipment is inadequate to test the advanced armament deployed on F-16 aircraft. Marvin Test Solutions' MTS-3000 SmartCan™ Universal G-Test Tester is a highly capable and future-proof flightline test equipment across legacy 4th and 5th generation aircraft - including the F-16.

Bridging the armament test gap today, one aircraft at a time, the MTS-3000 SmartCan™ Universal G-Test Tester is an industry-leading and proven effective on the F-16 Block 15 through 52, F-15C/JA-58/FA-50, and F-5 aircraft.

http://www.marinestristest.com/ProductS/SmartCanM-3000.htm