

AIMTEST™ 120mm



AIMTEST™ 120mm is a simple, robust and effective sub-caliber, in-bore gunnery training system designed, developed and tested for use in rifled and smooth bore 120mm Main Battle Tank guns.

The Leader in Live-Fire, Sub-Caliber Gunnery Training Systems for the World's Armored Forces

Features & Benefits

- Designed for full-scale, live-fire gunnery training of main battle tanks (MBT).
- Drastically reduces training ammunition costs. Allows tank main-gun training on either full-scale or small arms range facilities.
- Simple installation, operation and maintenance ensures efficient crew training.
- Excellent individual and collective sub-caliber gunnery training system for static fire or fire and maneuver training.
- Patented Anti-Roll Counter Re-Coil Assist (ARCRA) system for securing the AIMTEST™ to the breech.
- Precision Barrel Assembly installs into the main gun chamber.
- Developed on a "Train as you Fight" basis, reducing any negative training.
- Integrated harness that connects to and utilizes the vehicle's fire control system.

AIMTEST is fielded in the following countries:

-  Australia
-  Bahrain
-  Belgium
-  Brazil
-  Chile
-  Denmark
-  Egypt
-  Finland
-  Greece
-  Iraq
-  Jordan
-  Morocco
-  Oman
-  Saudi Arabia
-  Spain
-  United Kingdom
-  United States

ABRAMS M1A2 SEP, 120mm



CHALLENGER 2, 120mm



LEOPARD 2, 120mm



ABRAMS M1A1, 120mm





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AIMTEST™ 120mm is the cost-effective solution required to “bridge” the training gap between simulators and main gun live-fire training to include urban gunnery training.



AIMTEST™ SYSTEM, 120MM

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Detailed Specifications

RANGE:
 Max Effective Range: 2000m with M962 SLAP-T
 1500m with M20 API-T / M17 Tracer
 200m with M860 SRTA

RECEIVER, BOLT and SOLENOID ASSEMBLY:
 Action Type: Bolt Action, Single shot
 Length: 12-3/4 inches / 32.4 cm
 Weight: 17 lbs / 7.7 kgs

BARREL ASSEMBLY:
 Precision machined Barrel & housing adapters Heavy cal. .50 (12.7 X 99mm)
 Length: (w/ flash diverter) 47 inches / 119.4 cm
 Weight: 57 lbs / 25.9 kgs

FIRING ASSEMBLY:
 Rate of Fire: Single shot
 Firing Assy Connectivity: Vehicle’s existing firing circuit
 Firing Mechanism: Manual, electrically actuated solenoid

SOLENOID ASSEMBLY:
 Operational Voltage Range: 24 VDC (18-32 VDC)
 Operational Temperature: -40 - +125 degrees Fahrenheit
 -40 - +52 degrees Celsius
 Operational Force: 52 daN (116 lbs.) - Maximum
 45 daN (100 lbs.) – Normal

SAFETY: Utilizes Main Gun Safety System



- Excellent individual and collective gunnery training device for full, scaled and urban ranges.
- Environmentally friendly with small noise signature and reduced range requirements.
- Rapidly and easily installed in approx. 10 minutes, saving valuable range time.
- Fires both the sabotated and ball cal. .50 ammunition.
- A “Train as you Fight” device requiring little initial training to operate.
- Uses vehicle’s own Fire Control System without harm to Fire Control components.
- Easily maintained and deployed at unit level.



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