

## TOW 2B Aero Wireless

### Long-Range, Precision Anti-armor/Assault Weapon



**The TOW 2B Aero Wireless missile, with its extended range, defeats all known and projected armor to a distance of 4.5 kilometers.**

#### Benefits

- Precision accuracy
- Command line of sight minimizes probability of collateral damage
- Fly-over, shoot-down trajectory defeats all known and projected armored vehicles
- Multimission missile compatible with multiple launch platforms
- Robust performance in all battlefield conditions

#### TOW Family

The tube-launched, optically-tracked, wireless-guided (TOW) weapon system, with the precision strike multimission TOW 2A, TOW 2B, TOW 2B Aero and TOW Bunker Buster missiles, is the premier long-range, anti-armor assault weapon system used throughout the world today. TOW is in service with more than 40 international armed forces and is integrated on more than 15,000 ground, vehicle and helicopter platforms worldwide. TOW is the preferred heavy assault anti-armor weapon system for NATO, coalition, United Nations and peacekeeping operations worldwide.

#### TOW 2B

The Raytheon TOW 2B is a fifth-generation missile. TOW 2B features a dual-mode sensor and an armament section equipped with two warheads substantially different from those used in other TOW versions. Earlier TOWs are direct-attack missiles with nose-mounted warheads

that fire forward. The TOW 2B is designed to fly over the top of a tank, where it is less heavily armored, and destroy it from above by simultaneously detonating the missile's two explosively formed penetrator warheads downward. The fly-over shoot-down flight profile permits the attack of targets in defilade, protected by berms or other fortifications.

#### TOW 2B Aero

The TOW 2B Aero design has successfully demonstrated its effectiveness to a range of 4.5 kilometers. The extended range of the TOW 2B Aero was accomplished with minor modifications to the TOW 2B. The new aerodynamic feature ensures stable controllable flight to 4.5 kilometers while using the current propulsion system. The TOW 2B Aero, with its longer range and faster time to target, increases battlespace and allows commanders the ability to better shape the battlefield. The missile case incorporates

tactile identifiers that help the gunner, under limited visibility, distinguish the TOW 2B Aero from other TOW missiles.

#### TOW 2B Aero Wireless

The TOW 2B Aero has evolved into a radio frequency (RF) guided missile. The RF guidance link replaces the legacy wire system, resulting in greater reliability, improved over-water performance, no power line restrictions and enhanced combined arms applications in urban environments. The wireless TOW missile design incorporates an RF transmitter into the missile case and integrates an RF receiver into the missile electronics. Since no ground launcher modifications are required, the transition to wireless is seamless.

#### Reliable and Affordable

Wireless TOW customers have the economic benefit of sharing common components with the in-production TOW 2A, 2B and Bunker Buster missiles.





LAV-TUA



Agusta A-129

## Multimission, Multiplatform, Multiservice, Precision Strike, Long-Range Heavy Assault Weapon



TOW 2B Aero successfully qualified for the U.S. Army



LAV-AT



AH-1W

This commonality keeps the TOW missile cost low and maintains the reliability of the highly versatile and combat-proven weapon system.

### TOW Weapon System Superiority

As proven on the battlefield, the superior standoff range and minimal firing signature of the TOW weapon system maximize gunner survivability. In today's complex battlefield environment of sandstorms, smoke, dust, explosions, fog, obstructions, overhead cover, snowstorms and secondary fires, precision engagements create significant challenges for many of the other state-of-the-art missile systems. The TOW weapon system is the exception. Its command line-of-sight advantage does not require seeker lock or laser return to engage the target. Without exception, what the gunner can see, the TOW can destroy.

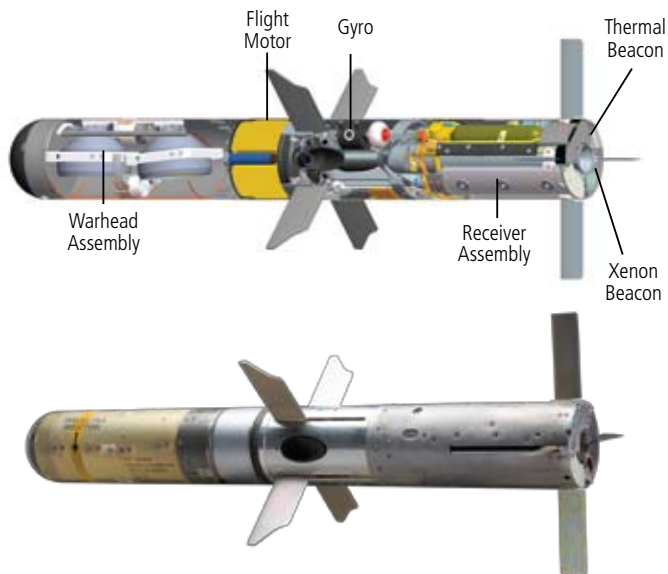
### Summary

The TOW 2B Aero Wireless can be fired from all TOW M220 launchers, including the Improved Target Acquisition System (ITAS), Stryker anti-tank guided missile vehicle (modified ITAS) and Bradley Fighting Vehicle (Improved Bradley Acquisition Subsystem).

The TOW system is the long-range, anti-tank, heavy assault weapon system of choice. Platforms include U.S. Army Stryker, Bradley Fighting Vehicle, ITAS High-Mobility Multipurpose Wheeled Vehicle and Light Armored Vehicle—Anti-tank. The TOW weapon system will be in service with the U.S. military beyond 2050.

### TOW 2B Aero Wireless Specifications

|                          |         |          |
|--------------------------|---------|----------|
| <b>Weight (Encased):</b> | 65.3 lb | 29.6 kg  |
| <b>Range:</b>            | 2.8 mi  | 4.5 km   |
| <b>Diameter:</b>         | 5.8 in  | 14.7 cm  |
| <b>Length (Encased):</b> | 50.6 in | 128.5 cm |
| <b>Time of Flight:</b>   | 23 sec  |          |



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