

Delivering Confidence

CLEAN AREA WEAPON (CLAW)

TEXTRON Systems



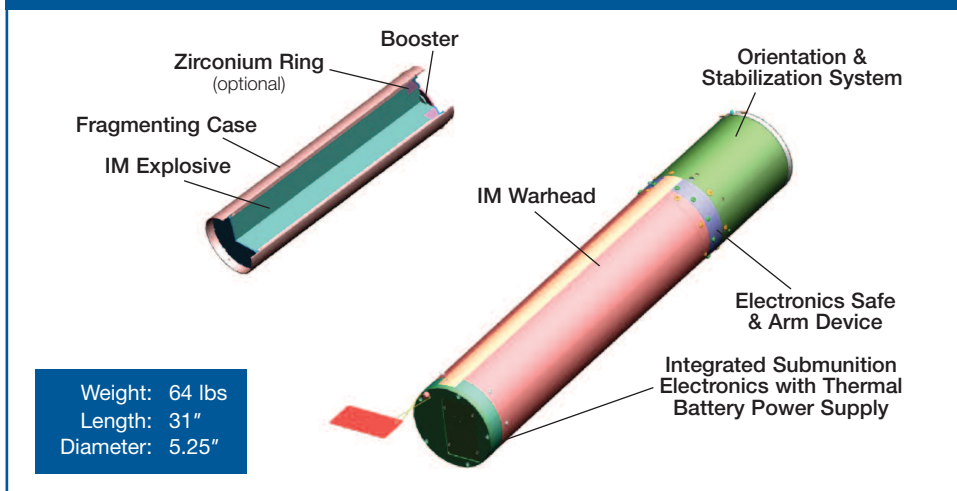
Wide area force multiplier produces no hazardous unexploded ordnance (UXO).

CLAW is a next-generation area attack weapon system that is highly effective against soft targets including light vehicles, enemy combatants and air defense sites. Yet the clean battlefield technologies developed by Textron Defense Systems for CLAW eliminate UXO. In fact, CLAW is designed to meet U.S. Department of Defense cluster munition requirements for safety — today.

TEXTRON Defense Systems

CLEAN AREA WEAPON

AP-BLU SUBSYSTEMS



Force Multiplier

Traditional cluster weapons blanket the battlefield with bomblets, delivering imprecise results and dangerous UXO. The Textron Defense Systems' CLAW operates differently — it incorporates 10 alternate payload-bomb live unit (AP-BLU) unitary submunitions into a precisely guided munitions dispenser. Once deployed upon the target area, each AP-BLU submunition detonates its high-fragmenting steel warhead case into more than 2,000 fragments. In fact, a single AP-BLU submunition provides a coverage area comparable to 1000-pound legacy cluster munitions.

Clean Battlefield Operation

Textron Defense Systems developed its AP-BLU submunition with several layers of redundant safety features to eradicate the threat of UXO. These include:

- Primary Operation Mode – Warhead detonates when proximity sensor measures height at approximately 10 feet from the ground
- Secondary Operation Mode – Warhead detonates when accelerometer senses ground contact
- Self-Destruct Mode – Warhead detonates approximately 90 seconds after arming
- Brown-Out Mode – Warhead detonates once a significant dropoff in battery voltage is experienced

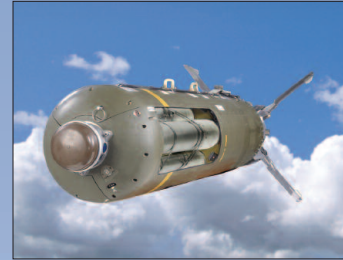
Cost Effectiveness

CLAW is an easily integrated system with several cost-saving features. Existing system components, including the dispenser, tail and FZU-39 fuze, can be harvested from non-compliant cluster weapons and repurposed. Integrated into the same dispenser as the Textron Defense Systems Sensor Fuzed Weapon (SFW), CLAW is already configured for key launch platforms including the A-10 Thunderbolt II (Warthog), Lockheed Martin F-16 Fighting Falcon, Boeing F-15E Strike Eagle, Lockheed Martin F-35 Lightning II Joint Strike Fighter, B-1 Lancer Bomber, and Boeing B-52 Stratofortress.

Most importantly, CLAW's precise performance and effectiveness ensure that a minimum of weapons and resources are required to execute the mission successfully.



CLAW is designed to meet the requirements set by the U.S. Department of Defense and the international community regarding cluster munitions.



CLAW System

- 1000-pound-class weapon
- Contains 10 AP-BLU submunitions
- Leverages existing wind-corrected munitions dispenser, or WCMD, components
- Simplified integration requirements on aircraft configured to employ the Textron Defense Systems SFW



AP-BLU Submunition

- Weighs only 64 pounds
- Insensitive munition, or IM, compliant warhead with provisions for incendiary effects
- Redundant detonation systems to eliminate UXO
- Drop-in alternative for systems configured to employ the Textron Defense Systems BLU-108 submunition
- Flexible integration into other tactical munitions dispensers, as well as unmanned aircraft systems

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