SMASH AD
Counter Drone Fire Control System
for Small Arms

SMARTSHOOTER
PRECISE TECHNOLOGICAL SOLUTIONS

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SMASH is a combat-proven family of Fire Control Systems which are designed, developed and manufactured by SMARTSHOOTER to ensure each round finds its target, in both day and night conditions, as well as keeping friendly forces safe.

The SMASH AD is specifically designed to provide kinetic elimination of small, low-flying drones. The system is capable of receiving and displaying target information from an external sensor or detection system.

The user identifies the target (independently or using the detection system guidance), locks on it, the system automatically tracks and then the user pulls and holds the trigger. The system synchronizes the shot release to assure the target hit. SMASH AD promises precise, swift, safe and simple hard-kill elimination of drone threats.

Why SMASH?

- SMASH increases hit probability to significantly enhance lethality and user survivability
- Increased situational awareness - Enables accurate shooting with both eyes open
- SMASH ensures a first-round hit, day and night while reducing engagement time
- Shot accuracy no longer affected by human factors such as fatigue, stress or target movement
- Detection, tracking and engagement of drones and small UAVs
- Ballistic support for a wide variety of ammunition types
- Connectivity with C4I systems, Battle Management Systems and external sensors
- Low life cycle cost (minimal training, maintenance and ammunition)

Features

See-through Optics

The basic SMASH system comprises a red dot 'reflex' sight, providing the shooter with a naturalistic sight picture and improved situational awareness

Lock & Track

Once locked onto the target, SMASH tracks its movements in the sight - even through a crowd – helping improve user situational awareness, easing their mental load and ensuring that when the time comes, the system will make that first shot count

Target Detection

Simple, intuitive controls on the weapon allow the users to select and confirm the target without moving their hands

Add-On

SMASH mounts on standard weapon rails and can be fitted to most weapons allowing upgrade of legacy rifles to the 21st Century battlefield

Day/Night Operation

SMASH enables precision targeting around the clock, with clear day and night vision capabilities

Additional Features

Swift Mode Change

If under certain circumstances, users feel the need to go back to basics, the system can revert to a reflex sight at the flick of a switch

Environmental Conditions Certification

SMASH has been extensively tested to meet the stressing requirements set out by international certification documents such as the US MIL-STD-810

Digital Zeroing

SMASH can be used to automatically 'zero' the weapon, minimizing training overhead for inexperienced shooters

Main System Modes	Aiming Dot - accurate reflex sight
	Day mode fire control assisted shots using see-through projected markers
	Night mode fire control assisted shots using low light video display
Multi-Operational Use	Ground target elimination, static and dynamic targets up to 250 m (Day Mode)
	Small UAS kinetic elimination up to 250 m (Day Mode)
Main Components & Installation	Sighting Unit - mounts on existing MIL-STD-1913 rail
	Fire Block Mechanism (FBM) - incorporated in a replacement weapon grip (and trigger guard)
	Quick on-site installation
Optics Type	X1
Supported Weapons	M4, AR15, SR25 (M110)
Integral Fire Control Computer	Target lock & track
	Dynamically updated firing zone and synchronized shot
	User selection of different ballistics
	Enables future capabilities addition through software upgrades
Size (L x W x H)	209 mm X 117 mm X 82 mm
Weight	1390 g (Sight)
Power Source	Rechargeable smart Lithium Ion battery pack
	72 hours or up to 3600 SMASH-assisted shots
NIR Illuminator	940 nm (Optional Activation)
MIL-STD Compliance	MIL-STD-810G, MIL-STD-461E

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