

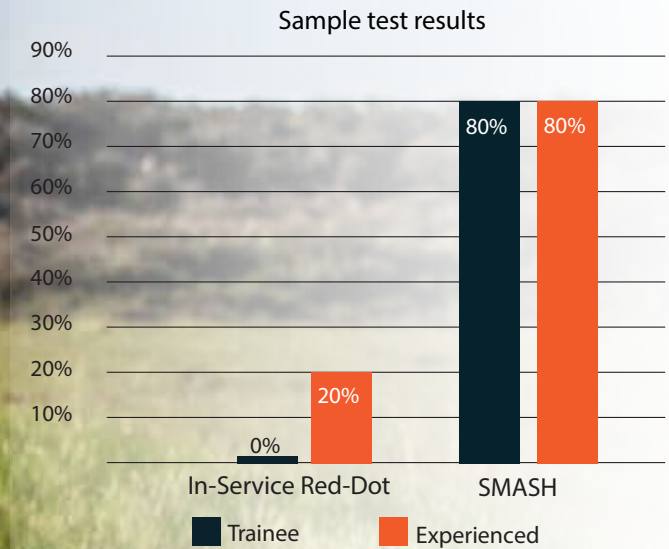


Credit: Capt Fred Warner

SMASH Fire Control System for Small Arms



First round hit rate on moving targets @ 100m from standing and unsupported fire positions



Fire Control System for Small Arms

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.

Our proprietary target acquisition and tracking algorithms are integrated with sophisticated image-processing software into a rugged hardware solution, providing an easy to use and cost-effective solution that creates the required overmatch.

SMARTSHOOTER's fire control solutions are designed to give soldiers and law enforcement officers a decisive tactical edge in almost every operational scenario, maximizing force lethality and operational effectiveness throughout every engagement.

Why SMASH?

- SMASH increases hit probability to significantly enhance lethality and user survivability
- Add-on system which ensures a first-round hit, day and night
- Shot accuracy no longer affected by human factors such as fatigue, stress or target movement
- Additional applications: Ballistic updates for different ammunition types, Connectivity to C4I / BMS / external sensors, Video recording & streaming to remote displays

Features

- Multiple operational modes:
 - See-through reflex sight (red-dot) for rapid fire
 - Day mode fire control assisted shots using see-through projected markers
 - Night mode fire control assisted shots using low light video display
- Anti-drone mode - Lock, track and eliminate drones
- Integrated fire control computer
- User selection of ballistics data for different rifles and/or ammunition types
- Upgradable ballistics formats (ready for 6.5/6.8mm)
- External add-on to in-service weapons. Already supported weapons and ammunition (menu selection):
 - M4 weapon (5.56mm) - M193 / M855
 - SR25/M110 (7.62mm) - M188LR
- NIR flashlight (optional activation)

Additional Benefits

- Significantly enhanced user lethality
- Increased situational awareness - Enables accurate shooting using both eyes open
- Avoids collateral damage by only hitting designated targets
- Reduced engagement time
- Reduces time required for 1st round on target
- Low life cycle cost (minimal training, maintenance and ammunition)
- Quick digital zeroing process

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 300m (day scenario)
	Small UAS kinetic elimination up to 200m (day scenario)
Main Components & Installation	Sighting Unit - mounts on existing MIL-STD-1913 rail
	Fire Block Mechanism (FBM) - incorporated in a replacement pistol grip (and trigger guard). Quick on-site installation
Optics Type	X1
Supported Rifles	M4, AR 15, SR25 (M110)
Integral Fire Control Computer	Target lock & track including dynamically updated firing zone and synchronized shoot / User selection of different ballistics / Built in test mechanism / Software upgrades for future capabilities
Size (LxWxH)	195 X 87.5 X 81mm
Weight	980g (sighting unit)
Power Source	Rechargeable Smart Lithium Ion battery pack
	72 hours or up to 3600 SMASH-assisted shots
	Typical capacity of 3400mAh
	10.8V Nominal operating voltage
NIR Illuminator	940nm (optional activation)
MIL-STD Compliance	MIL-STD 810, MIL-STD-461E

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