

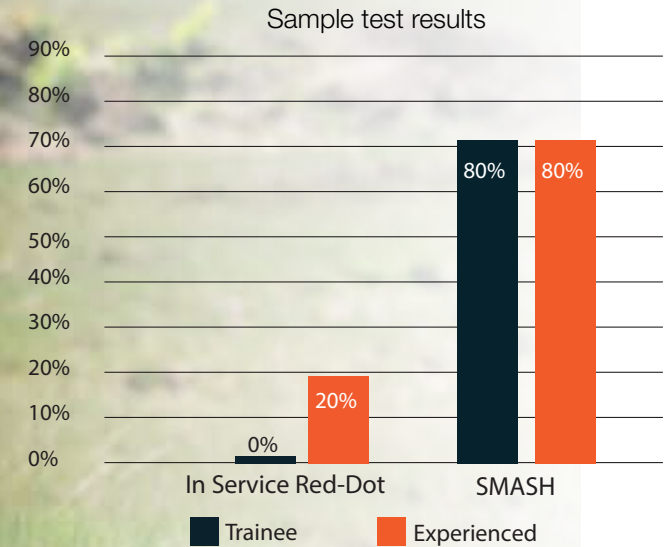


SMASH 2000
Fire Control System for Small Arms





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



SMASH 2000 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 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
- 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
- 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

- 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
- Integrated fire control computer
- User selection of ballistics data for different rifles and/or ammunition types
- Upgradable ballistics formats
- External add-on to in-service weapons. Currently supported weapons and ammunitions (user selectable):
 - M4 weapon (5.56mm) - M193 / M855
- Rechargeable battery - 72 hours or up to 3,600 SMASH-assisted shots
- 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
Operational Use	Ground target elimination, static and dynamic targets up to 300 m (day scenario)
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 Rifles	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	198 mm x 81 mm x 82 mm
Weight	1185 g (Sight)
Power Source	Rechargeable smart Lithium Ion battery pack
	72 hours or up to 3600 SMASH-assisted shots
NIR Illuminator	Optional Activation
MIL-STD Compliance	MIL-STD-810G, MIL-STD-461E



Jane's 360: "The Israel Defense Forces (IDF) has unveiled a new electro-optic (EO) sight system that is expected to provide a day/night rapid target acquisition capability to target small, fast-moving aerial threats such as incendiary balloons and kites. The rifle fire-control system, based on a smart rifle sight named Pегion, is developed by Smart Shooter in collaboration with the Administration for the Development of Weapons and Technological Infrastructure of the Israeli Ministry of Defense (MoD)." [May 3rd, 2019](#)

Army Technology: "The Israel Defense Forces (IDF) has unveiled a sighting device called Pегion that will enable soldiers to shoot down moving targets such as incendiary balloons and kites. The new electro-optic Pегion sight system has been developed by Smart Shooter in collaboration with the Administration for the Development of Weapons and Technological Infrastructure in the Ministry of Defense. Using the Pегion system, soldiers can follow a moving target in various scenarios such as in the case of balloons and kites that carry explosives or incendiaries into Israeli territory." [May 2nd, 2019](#)

Globes: "A smart electro-optic sight on assault rifles makes it possible to follow moving targets such as incendiary balloons and kites and hit them accurately. The sight improves fire from assault rifles carried by soldiers that make it possible to accurately strike targets moving at high speed. Such accuracy was unavailable until recently, because the sights previously mounted on weapons did not guarantee such accuracy against moving targets or in shooting at stationary targets following great physical effort." [April 28th, 2019](#)

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