



SMASH 4M
Magnifying Fire Control System
for Small Arms

 **SMARTSHOOTER**
PRECISE TECHNOLOGICAL SOLUTIONS

DEFSYS
INTEGRATED SYSTEMS



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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 4M combines a x4 magnifying optic scope with SMARTSHOOTER's fire control capabilities thus providing extended detection, recognition & identification ranges for the shooter as well as extended lethality ranges.

The SMASH 4M also includes an etched reticle to allow shooting without battery power. An optional integrated Laser Range Finder (LRF) enables range measurement both as a user-initiated capability as well as a system input for improved precision. The system integrates Lock-Track-Hit capabilities hitting static and dynamic targets, at complicated shooting conditions, in real tactical scenarios.

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



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



Target Detection

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



Drone Mode

Software built into the SMASH fire control system can recognize unmanned aerial vehicle targets, automatically track them and help shooters eliminate the threat

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	Etched reticle mode
	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 400 m (Day mode)
	Small UAS kinetic elimination up to 250 m (Drone mode)
Main Components & Installation	Ground target elimination, static and dynamic targets up to 400 m (Night mode)
	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
Magnification	X4
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
	Compensation for wind, inclination, cant
	Enables future capabilities addition through software upgrades
Size (L x W x H)	W/O LRF 206 mm X 89 mm X 83 mm W/ LRF 206 mm X 102 mm X 83 mm
Weight	W/O LRF 1120 g (Sight) W/ LRF 1250 g (Sight)
Power Source	Rechargeable Smart Lithium Ion battery pack 72 hours or up to 3600 SMASH-assisted shots
Laser Range Finder	Up to 1000 m
MIL-STD Compliance	MIL-STD-810G, MIL-STD-461E



Smart Shooter Ltd. | Yagur, 3006500 Israel | 972.72.3202111
info@smart-shooter.com | www.smart-shooter.com



Defsys Solutions Pvt. Ltd. | Ground and First Floor, GTV Tech SEZ Pvt. Ltd ,Electronic Hardware
& Software Including IT/ITES SEZ, Village Ghamroj, Tehsil-Sohna, Distt- Gurgaon (Haryana)-122102, INDIA
Phone: +91 124 3923200 Email: info@defsys.co.in