



SPICE 250TM

Stand-Off Air-to-Surface Weapon System for Wide Range of Targets

High-Volume, Precision Stand-Off Strikes in the Dynamic Battlefield

RAFAEL's SPICE 250 weapon system addresses all of today's most critical needs. It enables multiple, simultaneous, precision, stand-off strikes against stationary, moving and re-locatable targets, targets of opportunity and time critical targets in a GPS-denied environment.

Benefits

- Autonomous or MITL stand-off capability
- Increased loadout – multiple targets per sortie
- High lethality – pinpoint accuracy, effective warhead
- Day, night, and adverse weather operation
- Target versatility, including land, maritime, and targets of opportunity
- Low collateral damage
- Battle Damage Indication (BDI)
- Low aircrew workload, simple mission planning



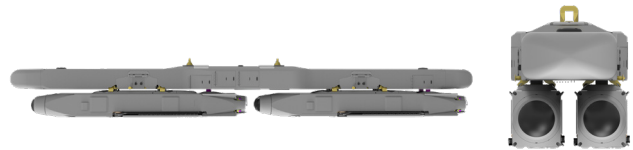
High-Volume Precise Strike Capability Against Multiple Target Types

The SPICE Family of stand-off, autonomous, air-to-surface weapon systems is part of today's essential inventory of aircraft weaponry. Incorporating advanced navigation, guidance and homing technologies, the systems enable autonomous, precision, high-volume strikes in GPS-denied arenas – from the safety of significantly extended stand-off ranges.

SPICE 250 is the newest member of the SPICE Family. It is a 125 kg category weapon capable of engaging fixed, re-locatable, moving and maritime targets, day and night and in adverse weather conditions. The system is based on a sophisticated Electro-Optical (EO) seeker and a set of advanced homing modes including Automatic Target Acquisition (ATA), Moving Target Detection (MTD), Automatic Target Recognition (ATR) and Maritime Attack modes. Enhanced capabilities include: hit accuracy, BDI, improved lethality, robustness against GPS jamming or denial, and overcoming Target Location Error (TLE).

Compatible with Multiple Platforms

The SPICE Family is combat-proven and in service with the Israeli Air Force and several international customers. Operated from single or dual-seater fighter aircraft, SPICE 250 uses a common interface and sophisticated Smart Quad Rack (SQR) with four weapons on each rack, simplifying aircraft integration. It can also be directly mounted on light attack aircraft store stations.



Smart Quad Rack carrying 4 SPICE 250 weapons

Main Capabilities

- Autonomous operation for multiple release
- Advanced homing technologies:
 - Automatic Target Acquisition (scene-matching)
 - Automatic Target Recognition
 - Moving/Maritime Target Detection
- Insensitive to GPS jamming
- Overcomes Target Location Error (TLE)
- Tactical flexibility in trajectory
- Data Link enables in-flight updates, BDI, Human-in-the-Loop and Mission-Abort

Technical Specifications

Stand-Off Range	100 km
CEP	ATA - 3 meters MITL - 1 meter
Warheads	Blast fragmentation and penetration
Fuse	Preset or Cockpit Selectable
Operation	Day, night and adverse weather
Aircraft Loadout	SQR + 4 weapons Single-load carriage



AIR & C4ISR DIVISION

Tel: +(972)73-336-8503

Fax: +(972)73-336-6257

Email: c4isr_mkt@rafael.co.il

HQ Tel: +(972)73-335-4714

Fax: +(972)73-335-4657

Email: Intl-mkt@rafael.co.il www.rafael.co.il

SPICE 250™ is a trademark of Rafael Advanced Defense Systems Ltd.
UNC.63565/0120/32/84/ENG/Graphic Design Dep/412