



MISSION ROLE	RANGE	ENDURANCE	PAYLOAD	LAUNCH	RECOVERY
Air-defense training target	60 km	60 min	Luneburg lens / IR flares	Catapult launch	Parachute recovery, reusable

— SYSTEM OVERVIEW

SAAD-1M is a medium-speed aerial target drone engineered to support training, testing, and operational evaluation of SHORAD and E-SHORAD weapon systems. It realistically simulates airborne threats, enabling accurate performance assessment of air-defense assets.

Equipped with a wide range of mission-specific payloads, Luneburg lenses for radar-signature simulation and IR flares for infrared tracking, SAAD-1M is a highly adaptable target for validating radar-controlled anti-aircraft guns, surface-to-air missile systems, and shoulder-fired MANPADS, with reliable flight stability and repeatable mission profiles.

— TECHNICAL SPECIFICATIONS

Performance

Speed	50 m/s
Range	60 km
Altitude	3,000 m
Endurance	60 min
Propulsion	Gasoline (ICE)

Physical

Wingspan	2.5 m
Length	2.45 m
Weight	40 kg

Payload & Operability

Enhancers	IR flares / Luneburg lens
Flight phase	GNSS guided
Wind / Sea state	10–15 knots / Level 3
Temperature	–10 °C to 55 °C

— KEY CAPABILITIES

- Configurable radar & IR signatures
 - Luneburg lenses + IR flares
 - Validates AAA, SAM & MANPADS
- Reliable, repeatable mission profiles
 - Medium-speed realistic threat replication
 - Cost-effective live-fire training