

M2KTM

MARQUESTM
A V I A T I O N



MA AirDefence AD-1

www.marquesaviation.com



MA AD-1 AirDefence

UAV TARGET SYSTEM

The UAV target system is intended for air defense weapon training to evaluate and test the various close-in, short-range, and medium range air defense weapon systems.

This aerial target is capable of simulating (completely or partially) a variety of air-defense threats including “cruise missiles”, “anti-ship missiles”, unmanned aerial vehicles, “guided bombs”, and “attack aircraft”. The target is a recoverable unmanned air vehicle equipped with power plant, automatic flight control system, recovery parachute and modular multi-version mission payloads.

SIMULATED THREATS

Cruise missile; Anti-ship missile; Unmanned aerial vehicle; Guided bomb; Strike aircraft.



SPECIFICATIONS

- **Dimensions**

- Length overall: 2.1 m
- Height overall: 0.5 m
- Wing span: 2.3 m

- **Weight**

- Max launching weight: 50 kg
- Max payload weight: 15 kg

- **Performance**

- Max level speed
 - Piston Engine: 250 km/h
 - Jet Engine: 400 km/h
- Operating height range: 50-5000 m
- Max endurance: 120 min (Piston Engine); 60 min (Jet Engine)
- Max operating radius: 70 km
- Maneuvering g-limits: +8/-3

OPERATIONAL FUNCTIONS

SYSTEM COMPOSITION

Eight air vehicles in transportation containers; Ground control station with telecomm and/telemetry link; Pneumatic catapult launcher; Spares and maintenance equipment; Two all-terrain trucks for system transportation.

MISSION PAYLOADS

Visual and infrared (IR) augmentation aids (light emitters, pyrotechnic tracking flares)
IR countermeasures aids (strobe IR jammer, IR flare dispenser)
Radar augmentation aids (radar transponder, corner reflectors)
Radar countermeasures aids (radar jammers, chaff dispenser)
Scoring equipment (acoustic or Doppler miss-distance indicator)
Two towed sub targets.

INVESTORS & SALES

MARQUES AVIATION LTD welcomes international investors for the MA AirDefence Traget program.

Contact our representatives to discuss your UAS requirements.



MARQUES AVIATION LTD.

Dr Pascual Marqués

President
p.marques@marquesaviation.com

Mr Sönke Dierks

Director of Aircraft Design
s.dierks@marquesaviation.com

Dr Emaid Abdul Retha

Director of Engineering R&I
e.abdulretha@marquesaviation.com

Dr Osato Osemwengie

Director of Engineering R&I
o.osemwengie@marquesaviation.com

M2K Technologies Private Limited

E-13/29, Harsha Bhawan, 1st Floor, Middle Circle, Connaught Circus, New Delhi 110001, India.
Mob: +91 98100 84313; dsinghal@m2kindia.com; www.m2kindia.com

Marques Aviation Ltd

5 Grosvenor Road, Birkdake, Southport, PR8 2HT, United Kingdom.
Phone: +44 (0)7721 784411; sales@marquesaviation.com; www.marquesaviation.com

M2KTM

MARQUESTM
A V I A T I O N