

ROBONIC MC2555LLR PNEUMATIC UAV LAUNCHER



POWERFUL • FLEXIBLE • GENTLE...

When reliability and flexibility matter, Robonic's MC2555LLR high pressure pneumatic launcher is the benchmark for performance. Designed from the outset as a universal solution supporting tactical unmanned air systems and target drones, it consistently delivers superior operational outcomes.

Part of the Robonic third generation launcher family, the MC2555LLR provides a wide speed and weight envelope that allows operations with a multitude of unmanned air system designs and configurations, in the widest possible environmental conditions. This includes propeller driven and turbine engine air vehicles.

Adjustable launching pressure allows the MC2555LLR to provide variable take off speeds optimised to individual air vehicle types and missions. The closed pneumatic system allows system pressures to recover quickly, reducing the gap between individual air vehicle launches to short minutes. A unique launch lock system helps extend the unmanned air systems lifespan by reducing stresses on the airframe, on board electronics and optronic payloads.

Designed from the outset for deployment, the MC2555LLR is today being used operationally in terrains as varied as Arctic tundra to high altitude desert. Its proven operational record confirms minimal maintenance requirements alongside exceptional reliability. The launcher is equipped with its own power pack to reduce its deployed logistics footprint.

The launcher is compact, yet offers exceptional performance capabilities. The MC2555LLR is mounted on its own trailer. This allows for unprecedented mobility, ease of transport and storage. The complete system can also be packed down into a standard ISO container for transport by land, sea or air in a C130 airlifter.

The MC2555LLR is safely operated by a single person in a variety of missions. Set up time can be as low as five minutes depending on operational requirements. The design and engineering process has emphasised safety considerations at all stages, resulting in user friendly equipment and a launch process that minimises operator risk.

The MC2555LLR provides a reliable, fast and economic way to achieve launcher launch.



www.robonic.fi



A TRUSTED PARTNER

Robonic Ltd Oy is a subsidiary of Sagem Défense Sécurité – part of the SAFRAN Group. The company is Europe's only launcher specialist with longstanding supplier and support arrangements in place with many key system suppliers in the global unmanned aircraft industrial base.

Robonic hardware has been proven compatible used to launch most of the world's major target drone types. These include the Avartek AT-4, Flight Refuelling Limited Falconet, Meggitt Banshee and Voodoo, Northrop's KDR and the EADS family of DT-25, DT-35, DT-45, DT-55 aircraft and EADS-3 Sigma Irisjet.

Robonic launchers currently support operational tactical deployment of the Ruag Ranger and Sagem Sperwer family of UAS. Demonstration launches have been conducted with the Elbit Hermes 450 and Selex Falco tactical UAS.

Offering a complete in house capability, Robonic operates a dedicated unmanned systems flight test centre in Lapland at Kemijärvi, Finland.

MC2555LLR TECHNICAL DATA

Set up time ready for launch < 15 min
 Operating temperature -30°C to +45°C
 Launcher recovery time < 5 min
 Transport speed on roads 80 km/h
 Launcher weight ~ 5000 kg
 Max. power (peak) 1.5 MW
 Launch angle 8 - 15°
Acceleration depends on UAV type
Envelope of UAV take-off speed (see chart)
Envelope of UAV mass (see chart)

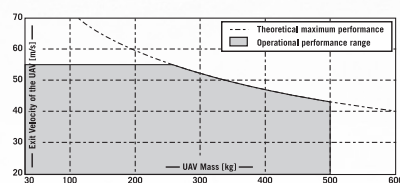
LAUNCHER OVERALL DIMENSIONS:

ASSEMBLED FOR TRANSPORT

Length 5656 mm / 7144mm
 Width 2270 mm
 Height 2100 - 2210 mm w/trailer

DEPLOYED

Length 16700 mm
 Width 2270 mm



ROBONIC
 UAV LAUNCHING SYSTEMS
 SALES • CONSULTING • RENTAL • DESIGN • TESTING

Pinninkatu 53 C, 3rd floor. FIN-33100 Tampere, FINLAND

Tel +358 3 273 0586 • Fax +358 3 273 0588

sales@robonic.fi • www.robonic.fi