

ROBONIC MC0315L SMALL PNEUMATIC UAV LAUNCHER



Meeting the new tactical imperative: MC0315L – The next evolution of Robonic’s third generation launcher technology.

The MC0315L is the latest fully pneumatic catapult in the Robonic family and is optimised to meet the growing market demand for tactically responsive launch systems for small UAV’s and light target drones.

Merging Robonic’s unique third generation pneumatic launcher technology with decades of operational experience, the MC0315L provides up to 10 bar maximum pressure allowing it to support the widest possible range of small air vehicles without modification.

Multiple air vehicle types, whether propeller or jet powered and requiring a wide envelope of mass and launch speeds are supported by the launcher through the use of simple adapters. This means new operational roles and missions can be supported within a very short period of time by one or two person crew.

The MC0315L is easy to operate in any conditions and has been designed to field deploy under wide temperature extremes with minimal maintenance requirements. Its small size means it can be easily repositioned to optimise the launch with prevailing wind directions.

The pneumatic system makes the unit easy to operate and ready for repeat launches in a matter of minutes. The launcher is equipped with its own compressor, making it self-sustaining for operations. Alternatively nitrogen filled and high pressure air vessels can be used if required.

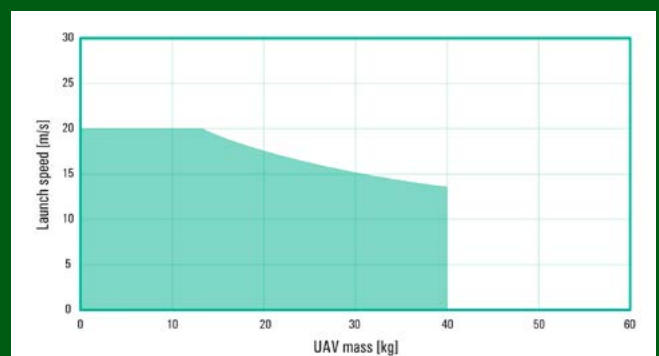
User safety in all operating conditions has been a major design priority in developing not only the launcher but also its operating procedures.

The catapult is easy to transport and to store regardless of operational configuration.

With a maximum set up time of 15 minutes MC0315L provides a reliable, fast and cost effective way to launch small UAVs and target drones with maximum operational benefits.

ROBONIC MC0315L TECHNICAL DATA

Maximum UAV mass:	40 kg
Maximum of UAV take-off speed (30 kg UAV):	15 m/s
Maximum of acceleration (up to 15 m/s):	< 12 g
Set up time ready for launch:	< 15 min
Launcher recovery time:	< 5 min
Launcher weight:	255 kg
Operating temperature:	-20°C to +50°C
Power pack weight:	25 kg
Launch angle:	5 – 15°
Length:	3495 mm
Width:	920 mm
Height:	(0 – 15°) 750 – 1400 mm
Envelope of UAV launch speed	(see chart below)
Envelope of UAV mass	(see chart below)



**A fully pneumatic launcher
for small UAV’s and
target drones.**

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Robonic Ltd Oy is Europe's only launcher specialist with longstanding supplier and support arrangements in place with many key system suppliers in the global drone and unmanned aircraft industrial base.



Robonic hardware has been proven compatible to launch many of the world's major target drone types. These include the Avartek AT-04, Flight Refuelling's Falconet, Meggitt UK Banshees, both propeller and jet and the Voodoo, Meggitt Canada's Vindicator, Northrop's KDR and the Airbus DT-25, DT-35, DT-45, DT-55 drones, EADS 3Sigma Irisjet as well as the CEi (Kratos) Firejet.

Robonic launchers support or have supported operational tactical deployment of the Ruag Ranger and Sagem Sperwer family of UAS.

Over 20 different air vehicles in all - both tactical and targets - have been integrated to be launched off Robonic launchers.

Offering a complete in house capability, Robonic provides multi-role zero point launchers and has the know-how to integrate TUAV's or target drones on to these.



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