



Small UAV Launcher - MC0315L

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

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

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.

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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°

Catapult dimensions

Length: 3495 mm
Width: 920 mm
Height: (0 ... 15°) 750 ... 1400 mm



PERFORMANCE CHART

