

FULLY PNEUMATIC CATAPULT LAUNCHER FOR SMALL UAV'S



MC01515L – the product of Robonic third generation launcher program.

The launchers small size makes it easily turnable to favorable wind direction.

The MC01515L is the first completely pneumatic catapult launcher in Robonic third generation launcher program.

The MC01515L is easy to operate with one to two operators in any condition.

Adjustable launching pressure max 10 bar allows the MC01515L to launch various types of small size UAV's, both reconnaissance and target, propelled and jet engine powered UAV's with relative wide envelope of mass and launch speed.

The launcher and launch process have been designed with the operators' safety in mind and made safe by encompassing several safety features in the launch process.

The MC01515L has been designed to be operated in varying weather conditions and temperatures with minimal maintenance requirements.

The MC01515L can be towed on a trailer or on a truck. Optionally it can be mounted permanently to trailer. The catapult is easy to transport and to storage.

The launcher is equipped with its own power pack that makes it self-sustaining for operations. If required, nitrogen filled and high pressure air vessels can be used.

When all features above are combined with minimum set up time of 15 minutes MC01515L provides a reliable, fast and feasible way to launch several types UAV's with minimum environment risks.

The pneumatic system makes the launcher easy to operate and to be launched again in a matter on minutes.

TECHNICAL DATA

Maximum UAV mass 20 kg	Maximum of UAV take-off speed 15 m/s	Maximum of acceleration <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

CONTACTS

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