

Third Generation ROBONIC KONTIO (MC2555LLR) PNEUMATIC UAV LAUNCHER



The KONTIO provides a reliable, fast and economic way to perform a launch

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

Part of the Robonic third generation launcher family, the KONTIO 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 KONTIO 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 optronics payloads.

Designed from the outset for deployment, the KONTIO 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 which allows it to be utilised without external power sources and reduces its deployed logistics footprint.

The launcher is compact, yet offers exceptional performance capabilities. The KONTIO 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 KONTIO 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 launch process that minimises operator risk.

ROBONIC KONTIO (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 mass	≈ 5600 kg
Launch angle	8 - 15°

Acceleration depends on UAV type

Envelope of UAV take-off speed (see chart below)
Envelope of UAV mass (see chart below)

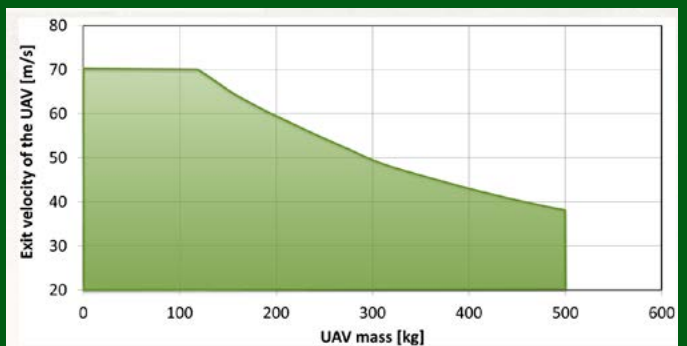
LAUNCHER OVERALL DIMENSIONS

Assembled for transport:

Length	5800 mm / 7144 mm
Width	2270 mm
Height	2100 - 2210 mm

Deployed:

Length	16700 mm
Width	2270 mm



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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, Falconet, Northrop KDR, EADS 3Sigma Irisjet, QinetiQ Target Systems Snipe, Voodoo, Vindicator, Banshee family and Rattler, the Airbus DT target family, Kratos (CEi) Firejet, Leonardo Mirach 40 and SCR Scrab targets.

Robonic launchers support or have supported tactical systems like the Ruag Ranger, Safran Electronics and Defense Sperwer family of UAS, Leonardo Falco, Lockheed Martin Fury and Paramount Group Roadrunner.

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 launchers and has the know-how to integrate TUAV's or target drones on to these.

