



MECHANICAL

Demining Robot DMR

Applications

Handheld
Demining tools

Types

Metal detectors (MD)

Last update

01/01/1970

General description

Demining robot DMR is the small minefield excavator. November 2022, DMR Version-5 started demining at Cambodian minefield cooperated with Cambodian Mine Action Centre (CMAC). DMR can excavate minefields more than three times faster than human hand, and Remote control function ensures deminers safety. DMR freed deminer's burden especially at risk (physical / phycological), and would shorten the duration (10~20%) of the operation that is taken by the demining team dispatched to field. Demining operators who equips DMRs will recoup the initial cost within 2~5 years.

Working characteristics

DMR excavates minefield by blowing compressed air. As the compressed air can blow off the soil hiding landmines selectively, the excavation never be interrupted by obstacles under the ground such as grassroot or stones. Also, It has been shown that even if the compressed air blew from DMR's air nozzle strikes the detonation switch of landmines, the switch not be turned on.

Dimensional data

Overall length	2500 mm
Length with attachment	2500 mm
Overall Width	735 mm
Overall Hight	920 mm
Fits in container	2

Factory support data

Warranty	1 year
Water resistant	1

Price

Base price	50000 €
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Other

Additional equipment	Air compressor Unit
Other models	DMR version-6 will be launched in early 2024

Operational data

Hill climbing ability (max gradient degrees)	30 °
Clearance depth in varying terrain to	40 cm
Greatest remote controlled distance	200 m

Engine specifications

Engine type / description	Gasoline engine for DMR carrier, Diesel for Air compressor and its carrier
Connectivity	Wi-fi

Vehicle electrical system

Battery voltage 24 Volt

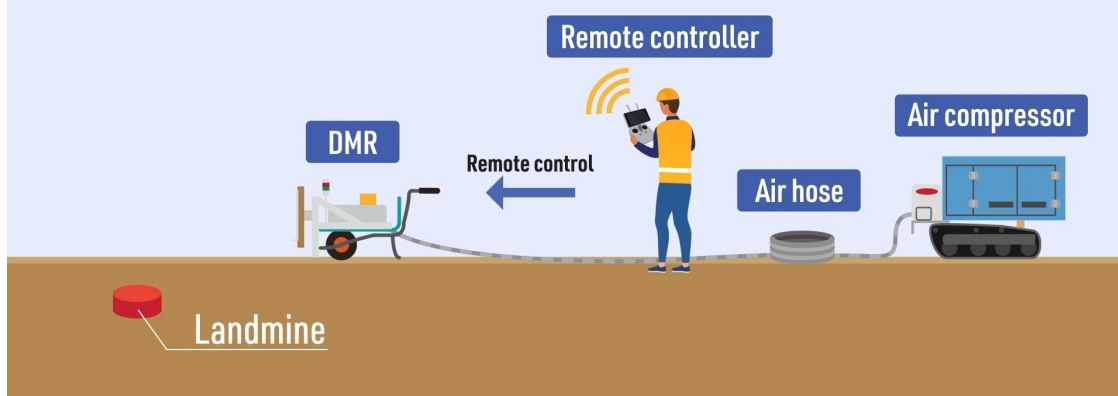
Battery capacity 50 Ah

Other information

Images



DMR system layout



and a remote monitoring system that monitors the excavation status in real-time.



Also, compressed air excavation is not easily affected by obstacles such as stones and grassroots in the soil,



