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HD R&D Field Evaluation: Medium Minewolf

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UNITED STATES DEPARTMENT OF DEFENSE

HUMANITARIAN DEMINING R&D PROGRAM

Remote-controlled demining machine able to withstand AT and AP mine blasts

Medium MineWolf

The Medium MineWolf (MMW 330) is a powerful mine clearing system that uses large earth tilling and flail attachments to neutralize landmines. The tiller's teeth engage the ground to a depth of 25 centimeters, physically destroying anti-personnel (AP) and anti-tank (AT) landmines, and mulching vegetation up to 15 centimeters in diameter. The 2.6 meter wide flail is also capable of neutralizing mines in areas with light to medium vegetation. The MMW 330 can survive both AP & AT mine blasts. Clearance rates of 8,000–15,000 square meters per day can be achieved depending on soil and vegetation type. The Medium MineWolf can be operated manually or by remote control. The video monitoring system allows the system to be operated from a safe distance when under remote control. It also gives minefield supervisors the ability to monitor system operation whether the system is under manual or remote operation.

STATUS

The Medium MineWolf successfully completed a technical evaluation in December 2015. The system has been deployed to Thailand where it is undergoing an operational field evaluation with the Thailand Mine Action Center.



The Medium MineWolf at Test

Cutting-Edge Solutions
DEMINING TECH
MINE CLEARANCE & AREA PREP



FEATURES

- Remote-controlled operator station with video monitoring
- Entire system fits into two containers; one of which is a 40 foot unit for the vehicle, while the other is a 20 foot workshop container. The latter also serves for transportation and storage
- Capable of operating with cab installed (man in the seat) or without the cab during remote operation



REMOTE VIDEO STATION



FLAIL ATTACHMENT

APPLICATIONS

- Area reduction
- AP mine clearance
- AP and AT quality control/assurance
- Technical survey



MEDIUM MINEWOLF BEING PREPARED FOR OPERATION UPON ARRIVAL IN THAILAND



MEDIUM MW WITHOUT THE OPERATOR STATION OPERATING IN THAILAND

SPECIFICATIONS

Operating Weight	15,960 kg
Length, Width, Height	6.48 x 3.17 x 3.75 m
Clearance/Working Width	2.6 m
Max. Clearance Depth	25 cm
Diesel Engine Power	240 kW / 330 HP
Fuel Capacity	300 l
Max Clearance Rate	25,000 m ² /day
Vegetation Cutting Capacity	15 cm
Winch Power	70.6 kN
Max. Remote Control Distance	1,000 m
Transit; Operational Speed	0.8 km/h; 1.5 km/h

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