

PHYSICAL PARAMETERS

Lenght Without Attachment: 4600 mm
Lenght Total: 6500 mm
Width Without Attachment: 1950 mm
Width Total: 2850 mm
Attachment Width: 2850 mm
Mine Clearance Width: 2050 mm (Flail) - 2000 mm (Tiller)
Rut Width: 1950 mm

Transportation: 40HC Container, Trailer,
Cargo Aircraft (C130 or similar), Helicopter

Mass | Basic Vehicle (Prime Mover W/Lubricants, No Fuel): 9750 kg
Mass | Basic vehicle (Prime Mover W/Lubricants & Fuel): 10107 kg
Mass | Detachable Unit(s) (W/Std. Flail Tool): 2600 kg
Mass | Overall (W/Std. Flail Tool, W/Lubricants, No Fuel): 12480 kg
Mass | Overall (W/Std. Flail Tool, W/Lubricants & Fuel): 12680 kg
Mass | Overall (W/Std. Tiller Tool, W/Lubricants, No Fuel): 12750 kg
Mass | Overall (W/Std. Tiller Tool, W/Lubricants & Fuel): 13050 kg
Mass | Detachable Unit(s) (W/Std. Tiller Tool): 3285 kg

ENGINE

Type: Diesel
Fuel Consumption: 40-48 L/H Max. Power
Engine Power: 221 kW @ 2500 RPM 300 Hp
Cooling System: Water Cooling
Fuel capacity: 250 L
Engine Oil: 10 W 40 -19,5 L
Pump Pack Drive Gearbox: 80 W 90, 5,2 L
Hydraulic Oil Capacity: 250 L

UNDERCARRIAGE

Tracks: Steel
Ground Pressure: 0,63 kg/cm³
Ground Clearance: 320 mm
Power Transmission: Hydrostatic System
Transport Speed: 4 km/s
Operating Speed in Clearing Mode: 0,5-1 km/s
Hill Climb: 50%
Slope: 40%
Trench Width (W/Std. Double Tool): 1.5m
Operating Speed:
Light Soil | Medium Vegetation: 1900 m²/h
Medium Soil | Medium Vegetation: 1425 m²/h
Heavy Soil | Dense Vegetation: 950 m²/h

ARMOR

Hull: 6-20 mm HARDOX 450
Arms: S355- HARDOX450
Chassis: 6,5 mm ARMOX 500T
Attachment: 15 mm HARDOX450
Attachment Chassis: 6,5 mm ARMOX500T

ATTACHMENTS

Attachment Type: Tiller and Flail
Resistance to Explosion: 8,5 kg TNT
Clearance Depth (Flail/Tiller): Up to 30 cm
Flail/Tiller Tool Dimensions (LxWxH): 2,145x2,850x1,610 mm
Flail/Tiller Tool Weight: 485 kg / 1,165 kg
Flail Clearing Width: 2,050 mm
Tiller Clearing Width: 2,000 mm
Flail Drum Diameter (mm): 1,650 mm
Flail Rotation Speed: 800 rpm
Number of Chains (Flail Attachment): 42
Tiller Drum Diameter (mm): 1,460 mm
Tiller Rotation Speed (rpm): 400 rpm
Number of Chisels (Tiller Tool): 52
Control of Clearance Depth (Flail/Tiller): Adjustable Height of Flail Skids & Boom Hydraulic Control
Other Attachable Tools: Cylinder, Dozer Blade, Dozer Clamp
Vegetation Clearing Width: 2050 mm

ELECTRIC SYSTEM

On-Board Control Panel:
12-inch Remote Control Unit
4,3-inch Electric Panel Screen
4,3-inch Hydraulic Control Panel Screen
Video Recording Device
4 Cameras With 360-Degree Angle
2 Led Flashers
2 Led Lighting
2 Slope Sensors
Antenna For Encrypted Communication With 128Bit - 256 Bit SSL
ECU For Engine and Valve Control

REMOTE CONTROL CHARACTERISTICS

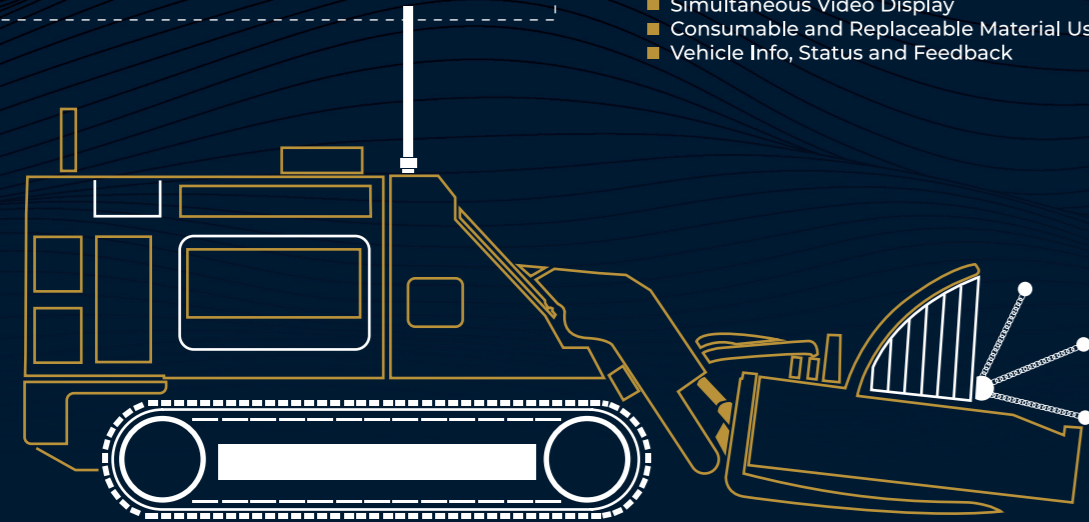
Remote Control Distance: >5000 m
Battery Life: >8 Hours
■ Engine Water, Oil and Hydraulic Oil Temperature Gauge
■ Fuel, Engine Oil and Hydraulic Oil Level Gauge
■ Engine RPM and Operating Hours Indicator
■ Vehicle Battery Charge and Voltage Indicator
■ Remote Control Battery Charge Indicator
■ Engine Trouble Codes
■ Vehicle Horizontal and Vertical Tilt Indicator
■ Possible Power Source: 12 V
■ Simultaneous Video Display
■ Consumable and Replaceable Material Usage Indicator
■ Vehicle Info, Status and Feedback



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MEMATT

MECHANICAL MINE CLEARING VEHICLE



MEMATT

The remote-controlled Mechanical Mine Clearing Vehicle, designed and produced with the latest technology, neutralizes anti-personnel and anti-tank mines in various types of fields.

2X TELESCOPIC CAMERAS



WHITE LIGHTING



ACTIVE AIR/DUST FILTRATION SYSTEM



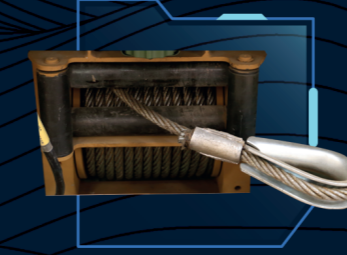
YELLOW BEACON LAMP



RED WARNING LAMP



SELF-RESCUE WINCH 20 TONS CAPACITY



DESIGN PREVENTING DUST INGRESS



IMPROVED VEHICLE ELECTRIC AND ELECTRONICS



4X SIDE CAMERAS



ATTACHMENT LEVELLING SYSTEM



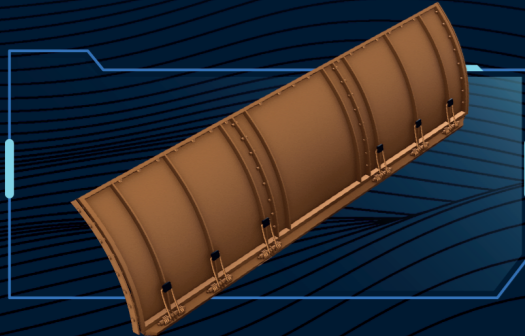
ATTACHMENT LEVEL ADJUSTMENT MECHANISM



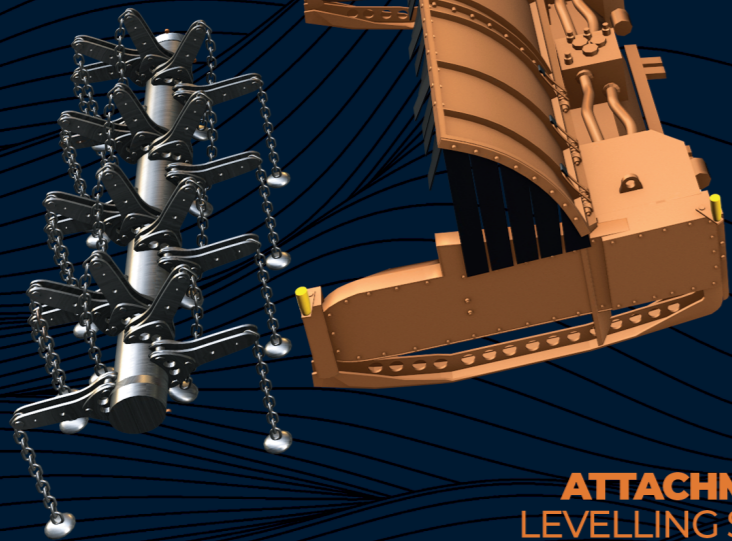
HOOK INTERFACE FOR LAND AND AIR TRANSPORTATION



SHOCK ABSORBER



FLAIL AND TILLER ATTACHMENT



USER FRIENDLY INTERFACE



ENCRYPTED COMMUNICATION



5000 M Remote Control Distance

BATTERY LIFE >8 hours

RESISTANT TO ENVIRONMENTAL CONDITIONS

SIMULTANEOUS VIDEO DISPLAY