

HEAVY CLASS DEMINING, UXO'S, IEDD AND ERW  
CLEARANCE MACHINE

## ATTACHMENTS

MODEL	500/TD/DM550-275	500/FD/DM550-275
Head type	Demining Tiller	Demining Flail
Working width (mm)	2750	2750
Total width (mm)	3516	3516
Working depth (mm)	320	350
Weight (Kg)	6700	4750
Rotor diameter (mm)	1194	1190
No. picks/teeth type	G/3+STC/3/FP+BAZ+BFZ	80+2
		42

MODEL	ARM/DM550
Head type	Multipurpose arm
Weight (Kg)	2290
Length fully closed (mm)	2400
Length fully extended (mm)	6400
Overall width (stabilizer open) (mm)	3882
Lifting capacity fully closed (Kg)	3000
Lifting capacity fully extended (Kg)	500

MODEL	300/U/SONIC/PT550-250	500/U/SONIC/PT550-225	500/U/SONIC/PT550-250
Head type	Forestry Mulcher	Forestry Mulcher	Forestry Mulcher
Working width (mm)	2544	2320	2560
Total width (mm)	3024	2860	3100
Weight (Kg)	4145 (C) - 4355 (B)	4710 (C) - 4725 (A)	4960 (C) - 5200 (A)
Rotor diameter (mm)	590	680	680
Max shredding diameter (mm)	400	500	500
No. teeth type	A/3+MH/3	88+2	96+2
type	B/3+C/3/SS	-	-
type	C/3+C/3/SS	56+2	60+2

MODEL	DOZER BLADE PT550-240
Blade width (mm)	2400
Moldboard height (mm)	970
Blade angle	± 15°
Blade tilt	± 10°
Weight (Kg)	1400

Data refers to machine as standard set-up. Options may have effects on weights and dimensions.  
The technical data in this catalogue may be altered without prior notice.

DEMINING  
Heavy class demining,  
UXO's, IEDD and ERW  
clearance machine

# HEAVY CLASS DEMINING, UXO'S, IEDD AND ERW CLEARANCE MACHINE

Roads, paths, agricultural areas, and forested areas that have been planted with land mines: the FAE Demining line is aimed at NGOs, armed forces and other demining operators that work to reclaim dangerous areas for civil use.

The PT550 D:MINE is a heavy class demining machine certified with the demining tiller 500/TD/DM and with a demining flail 500/FD/DM according to the T&E Protocol Machines (30/06/2009), CWA/15044:2009 and HRN 1142:2009 to clear anti-personnel-mines (AP) and antitank-mines (AT).



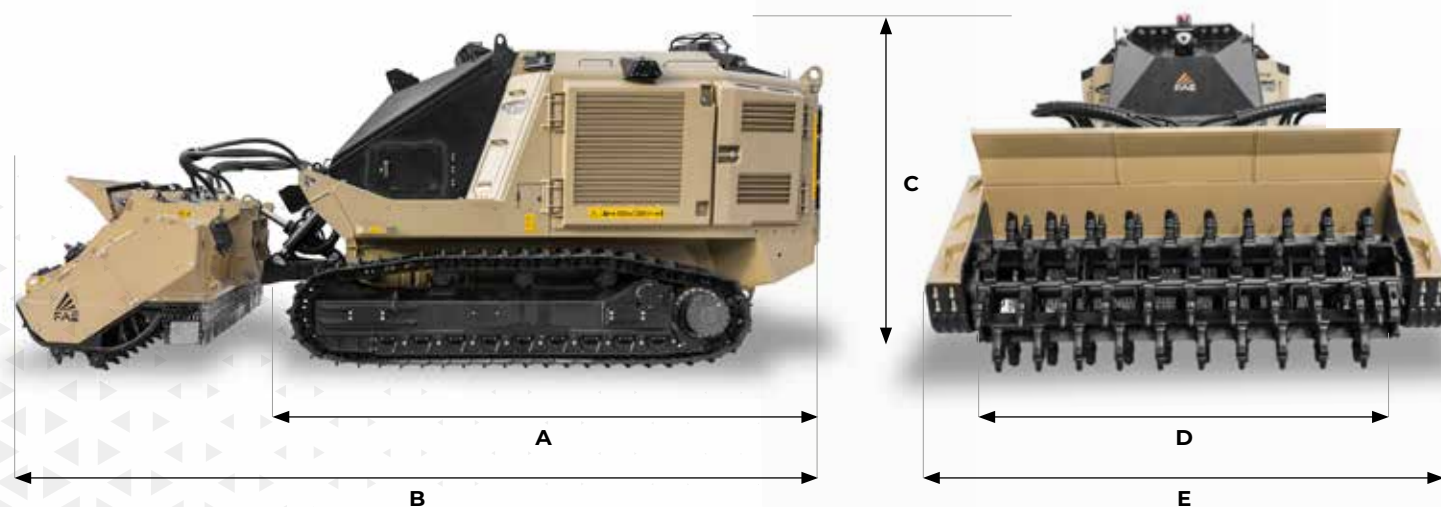
## APPLICATIONS:

Mechanical clearance tasks with hazardous areas containing anti-personnel, fragmentation, and anti-tank mines.  
Ground preparation for manual demining.

Technical survey tasks.

Vegetation clearance for BAC (Battle area clearance operations) to allow the detection and disposal of unexploded ordnances (UXO)

## DIMENSION



**A** Overall length without demining head 5730 mm  
**B** Transport length with 500/TD attachment on ground and winch 7533 mm

**C** Max height 3301 mm  
**D** Overall tracks width 2550 mm ( pads)  
**E** See attachments table

## REMOTE CONTROLLED TRACKED CARRIERS

# PT550 D:MINE

Demining, EOD/IEDD, BAC machine.

The PT550 D:MINE mechanical demining asset is operated via remote control from a significant distance for the safety of the operator. It works in the toughest conditions, including rough terrain, steep slopes up to 45°, swampy land, and areas with dense vegetation. Some of its main technical features include a super sturdy structure with an oscillating undercarriage, large track pads for optimum

mobility, the high-performing CAT C7.1 Acert engine, and a lower operating weight. The ergonomic remote control makes it possible to safely perform all functions. The carrier can also be equipped with other types of FAE attachments like: the multipurpose excavation, manipulation and lifting arm, forestry mulcher for high speed vegetation clearance, tiller, or dozer blade.

### MULTI-TASKING

PT550 D:MINE can be equipped with several attachments such as fixed-tooth demining tiller, demining flail and multipurpose arm, vegetation cutter (mulcher with the exclusive Sonic technology), vegetation tiller, and the dozer blade.

### POWERFUL

It has the flexibility and reliability of one of the world's most widely used six-cylinder engines. The Caterpillar C13 Tier 4 Final/Stage V engine delivers 536 hp, or 475 hp with the Tier 3/Stage III version. It offers superior performance and a global support network.

### SOLID

The frame was built to withstand extreme stress. The undercarriage was designed for maximum performance. The technology of the oscillating undercarriage provides better impact absorption and manoeuvrability.

### Remote Controller

up to 1000 m in open field.



### TECHNOLOGICAL

The PT550 D:MINE's electronically managed hydrostatic transmission is the perfect solution for optimal power transmission and long-term reliability. Innovative functions like Load Control and Floating ensure high efficiency in any condition. The hydraulically controlled reversible fan provides radiator self-cleaning by reversing the air-flow direction, and fuel savings by delivering only the air flow that is needed, thereby reducing energy absorption. The I/R day and night vision system with cameras in the front, rear, left and right sides allows it to operate at a safe distance.

### SAFE

The ergonomic remote control with a display makes it possible to safely manage all vehicle and head functions.

## MAIN OPTIONS



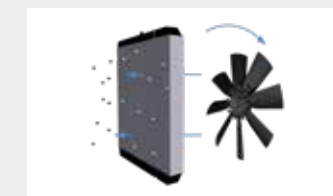
Rear winch with 6 t pulling power



360° I/R view cameras system



Tracked chain guides



Proportional and reversible radiator fan for self cleaning and fuel saving



475 hp CAT ENGINE  
TIER 3 / STAGE III A



536 hp CAT ENGINE  
TIER 4 / STAGE V



## OPTIONS

Rear winch with 13-t traction force	Engine and hydraulic oil pre-heating system
Chain guide	360° Camera kit
Roller and drive wheel undercarriage stone guard	Custom color
Easy service package (hydraulic oil filling pump + service light)	

TECHNICAL DATA	PT550 D:MINE TIER 3 / STAGE III A	PT550 D:MINE TIER 4 FINAL / STAGE V
<b>Engine Gross Power</b>	475 hp	536 hp
<b>Engine Emission</b>	U.S. EPA Tier 3 / EU Stage III A	U.S. EPA Tier 4 Final / EU Stage V
<b>Travel Pumps</b>	2 - EP control – 100 cc - Danfoss	2 - EP control – 100 cc - Danfoss
<b>Travel Motors</b>	2 - HY control – 160 cc - Danfoss	2 - HY control – 160 cc - Danfoss
<b>Max Travel Pressure</b>	420 Bar	420 Bar
<b>Attachment Pump</b>	2 - EP control – 130 cc - Danfoss	2 - EP control – 147 cc - Danfoss
<b>Max Mulcher Pressure</b>	350 Bar	350 Bar
<b>Hydraulic Oil Tank Capacity</b>	480 L	480 L
<b>Fuel Tank Capacity</b>	720 L	720 L
<b>Track Chain</b>	190 mm Pitch - Lubricated - Berco (std equipment with 600 mm pads)	190 mm Pitch - Lubricated - Berco (std equipment with 600 mm pads)
<b>Lower Rollers</b>	6 + 6 Single Flange + 3 + 3 Double Flange	6 + 6 Single Flange + 3 + 3 Double Flange
<b>Carrier Rollers</b>	3 + 3	3 + 3
<b>Voltage</b>	24 volt	24 volt
<b>Max forward speed</b>	6 Km/h	6 Km/h
<b>Max reverse speed</b>	6 Km/h	6 Km/h
<b>Gradeability</b>	Vertical continuous 35° (intermittent 45°), Lateral continuous 32°	Vertical continuous 35° (intermittent 45°), Lateral continuous 32°
<b>Operating weight</b>	21150 Kg (std equipment with 600 mm pads, w/o attachment)	21150 Kg (std equipment with 600 mm pads, w/o attachment)
<b>Ground Pressure</b>	0,48 Kg/cm² (std equipment with 600 mm pads, w/o attachment)	0,58 Kg/cm² (std equipment with 600 mm pads, w/o attachment)

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