



PT-300 D:Mine designed for demining

PT-300 D:Mine is a remote controlled demining machine designed to clear anti-personnel (AP) and anti-tank (AT) mines in the most difficult conditions for various purposes such as:

- humanitarian mine clearance, to safeguard civilian populations, to ensure land reconversion for agricultural and residential development, to clear areas for oil and natural gas exploration and extractive mining operations.
- for military route clearance, area clearance or breaching.

An innovative remote control on this device ensures accurate guidance of the vehicle at a range of over 1000 meters.

The **PT-300 D:Mine** is powered by a John Deere inline 6-cylinder engine producing 275 HP.

This feature combined with the state of the art demining rotor guarantees high productivity in all conditions.

This machine's rugged and extremely resistant structure is built for severe-duty jobs and offers a very high level of reliability. It is able to withstand blasts from both AP (Anti-personnel) and AT (Anti-tank) mines, IEDs and unexploded ordnances (UXOs) or improvised landmines.

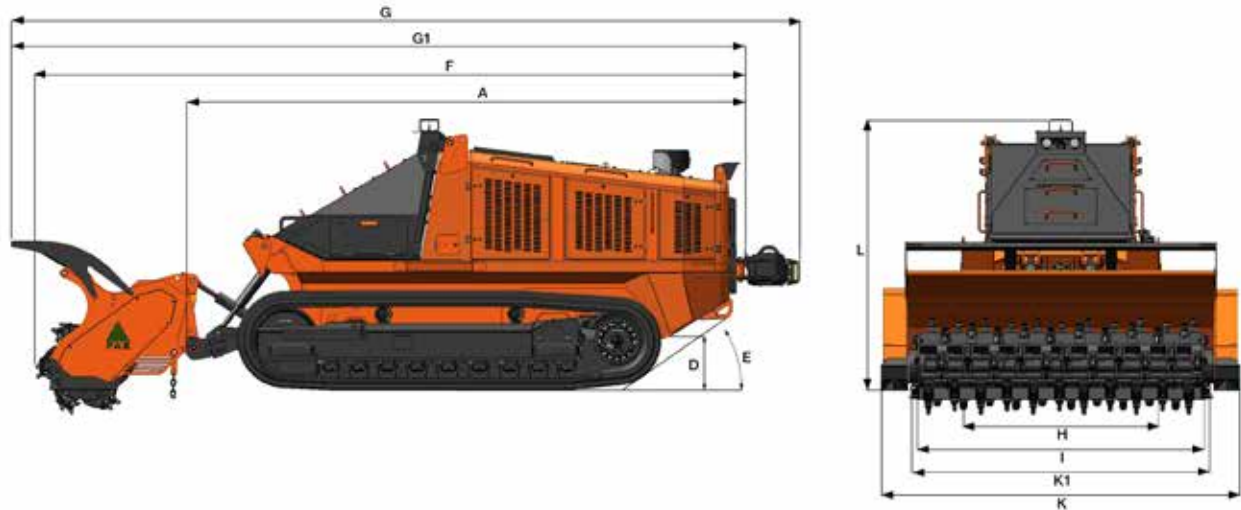
PT-300 D:Mine is equipped with a FAE 300/TD tiller or a FAE 300/FD flails, which are specifically designed for mine clearance and ground preparation tasks.

The 300/TD has a working width of 2500 mm and a working depth of 250 mm.

The design of the tiller head and rotor combined with the materials used limit the damage in the event of a mine detonation. Various front attachments can be mounted as required - demining tiller, demining flails, forestry mulcher, forestry tiller, rock crusher and dozer blade - making the **PT-300 D:Mine** a truly multi-tasking machine.

The **PT-300 D:Mine** has been thoroughly tested and certified to CWA 15044:2009 standards as a medium size mechanical demining asset.





> DIMENSIONS

A	Overall length without tiller	192 in	4875 mm
D	Ground clearance	18 in	467 mm
E	Hitch angle	35°	
F	Overall length with tiller on ground	244 in	6186 mm
G	Transport length with tiller on ground and winch	270 in	6869 mm
G1	Transport length with tiller on ground	252 in	6397 mm
L	Maximum height	93 in	2360 mm

VERSION	STD	
Track shoe width	26 in	660 mm
H Track gauge	67 in	1700 mm
I Overall track width	93 in	2360 mm
FAE TILLER ATTACHMENT	300/TD-250	
K Overall tiller width	123 in	3125 mm
K1 Working tiller width	98 in	2500 mm

> MAIN KEYS

• Max forward speed	4 mph	6,5 km/h
• Max reverse speed	4 mph	6,5 km/h
• Drawbar pull	42489 lbs	18900 daN
• Gradeability	100%	
• Tracks control	Remote - One joystick on transmitting unit	
• Service hydraulic circuit control	Remote - One joystick on transmitting unit	

• Parking brake	Negative, hydraulically activated
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VERSION	STD	
• Track width	26 in	660 mm
• Operating weight	31195 lbs	14150 kg
• Ground pressure	4.70 psi	0,33 kg/cm ²

> DIESEL ENGINE

• Model	John Deere 6068 HF 485
• Maximum power	275 HP 206 kW
• Rating	@ 2400 rpm
• Displacement	415 in ³ 6,8 l

• N° of cylinders	6
• Torque max	756 lbf-ft 1025 Nm
• Fuel rate from	7 gal/h 27 l/h
• Emission	Tier 3, Stage 3A

> HYDROSTATIC TRACKS TRANSMISSION

• Pumps (2)	Danfoss
• Displacement	75 cc
• Motors (2)	Danfoss
• Displacement	80 cc
• Hydraulic Emergency stop	

> HYDROSTATIC TILLER TRANSMISSION

• Pump (1)	Danfoss
• Displacement	130 cc
• Motors (2)	Bosch-Rexroth
• Displacement	200 cc

> REFILLING

• Hydraulic oil tank	87 gal	330 l
• Fuel tank	87 gal	330 l

> UNDERCARRIAGE AND TRACKS

• Undercarriage	D4, oscillating
• Track shoe	26 in 660 mm

> ELECTRICAL SYSTEM REMOTE CONTROL

• Nominal voltage	12 V
• Batteries	2 x 12 V High cold cranking Amps
• Alternator	95 A
• Track control	Joystick on transmitting unit
• Tiller movements control	Joystick on transmitting unit
• Tiller rotor speed control	Potentiometer on transmitting unit

• Engine control	Buttons for start/stop and rpm increase/decrease on transmitting unit
• Safety features	Hydraulic engage and stop buttons on transmitting unit. Hydraulic disengage in case of remote control signal loss.
• Batteries run time	10 h
• Remote control range	Up to 1000 m

> FAE TILLER ATTACHMENT 300/TD

MODEL

• Rotor diameter	35 in	885 mm
• Overall width	123 in	3125 mm
• Working width	98 in	2500 mm
• Weight	7661 lbs	3475 kg
• Max. working depth	10 in	250 mm
• Rotor rpm	500 rpm	
• Quantity of cutting teeth carbide type "G/3"	62	
• Quantity of cutting teeth carbide type "STC/3/FP"	2	

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