

DRONSTER

HIGH-PERFORMANCE,

MULTI-EMERGENCY

ROBOT



DRONSTER OVERVIEW

A multi-emergency robot, agile, fast and versatile.

Professional remote control machine designed for emergency situations to enhance operational safety and efficiency.

OPERATING SCENARIOS:

- Wildfires.
- Active safety: defense lines and fire perimeters.
- Passive safety: forest management and safe areas.
- Structural/industrial fires.
- Chemical risk.





Rear led light.

- Control panel**
- Indicator display
 - System diagnostics
 - Machine configuration

Several **hinged/removable doors** for easy maintenance.

Helicopter transport anchors available for hard-to-reach areas.

Rear quick hydraulic couplings (For winch).

Independent hydraulic motors, one per rubber track.

Rubber tracks that adapt to challenging terrain conditions.

Engine System

HATZ 3H50TICD (4-stroke diesel engine, 3 cylinders, water cooled).

Power
59 hp (44 kW)

Nominal RPM at max. torque
2000 rpm

Fuel tank
27 L

Fuel consumption
10 l/h (at 2000 rpm)

Hydraulic System

POCLAIN radial piston hydraulic motors (22 kW each).

Cooling system
Air-oil heat exchanger

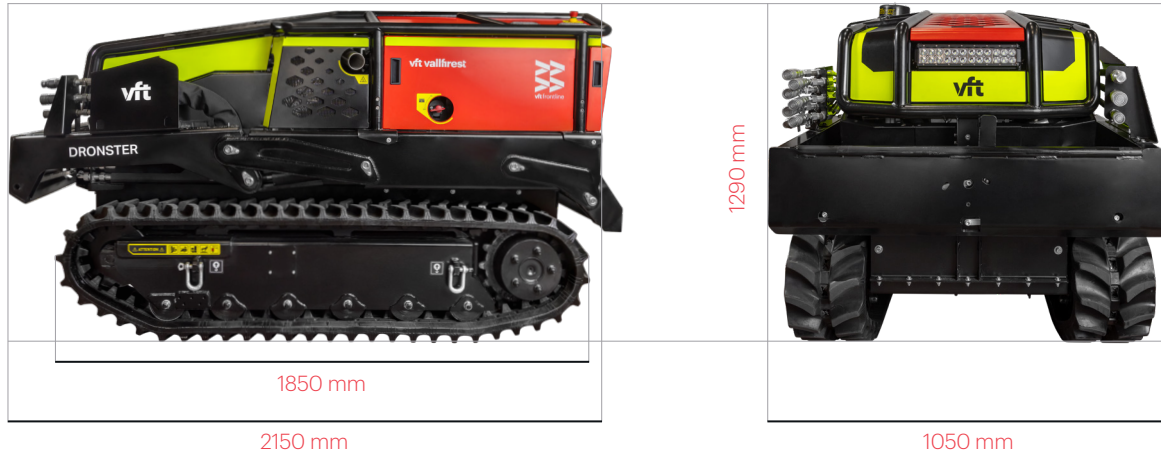
Pump for traction system and mulcher

Hydraulic oil tank
27 L

PWG variable displacement axial piston pumps (3 tandem pumps)
Closed loop circuit.



Technical Data



GENERAL SPECS	Aproximate weight	Fairing	Translation speed
	1460 kg (without accessories).	Ø40x2 steel tubes with aluminium covers.	From 0 to 5 km/h.

CONTROL PANEL	Screen	Resolution
	TFT 5" touch screen with incorporated CPU.	800x480 pixel. 16M colours.

EE SYSTEM	Battery	Front and rear lights	IP classification
	Car battery 12 V	12" LED light 6000K	IP65

REMOTE CONTROL	Battery life	Reach
	8h. Extra rechargeable battery included in the machine.	100m. Up to 1km with flat terrain and no obstacles.



Front arms movement range

Up to 1.3m
800 kg max.

Working angle

50° *

* Operation on slopes up to 30° indefinitely, up to 40° for 7 hours, and up to 50° for 30 minutes.

50°

Accessories

The machine features **quick mechanical couplings at the front, top, and rear for easy installation** of various accessories with different functions. Multiple accessories can be used at the same time.

FRONT IMPLEMENT

WILDLAND BRUSH CHOPPER



It is designed to efficiently clear and shred brush, vegetation, and small trees in rugged terrains.

Options:

- Hammer head with fixed Widea tip.
- Swing hammer

WINCH



A front winch can be also equipped, providing enhanced capability for pulling, lifting, or recovering materials in demanding operations.

FRONT RESCUE SHOVEL



Made of high-resistance steel, it is designed to clear rubble, heavy loads, and other obstacles from the road.

REAR IMPLEMENT

WINCH 360°



Capable of rotating 360°, designed to assist in maneuvering the machine on challenging inclines.

REAR SHOVEL



Used to move away and drag the remains of combustible materials produced by the chopper, as well as rocks and thick fuels.



For detailed specs of the accessories, please refer to their respective technical datasheets.

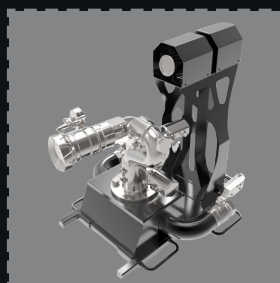
TOP IMPLEMENT

MONITOR



An essential tool for remote high-risk structural or industrial fire extinguishing.

CAMERA



It provides remote visual oversight of the Dronster's operation.

Options:

- Broadcast camera
- Thermographic camera

RESCUE STRETCHER



Durable and lightweight stretcher designed for safely transporting injured individuals in emergency situations.

**Do you have any questions?
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