

WIND ZERO



INNOVATIVE INDUSTRIAL SWEEPER

WIND ZERO is an innovative sweeper. 100% electric, it is equipped with a “steer by wire” steering system managed by a joystick which makes it extremely manoeuvrable. Ecological and silent, it is perfect to clean indoor and outdoor spaces, both small and medium-large size. The sturdy MP-HT metal frame allows you to work even on rough surfaces, without compromising functionality and efficiency.



FOR WAREHOUSES
AND CORRIDORS



INDUSTRY 4.0



WASTE
IN BAG



100%
ELECTRIC

WIND ZERO



REAR CAMERA

A camera is located in the upper rear part, in an area protected against possible impacts. From the screen, in the cabin, it is possible to monitor the peripheral areas, usually viewable only through the rear-view mirrors.



STEER BY WIRE

The "Stire by wire" steering system is controlled by an ergonomic joystick.



UNLOADING AT HEIGHT

The robust hydraulic system allows the entire collection unit to be raised to allow unloading directly into the container. It reaches 1500 mm from the ground. The waste level can be viewed by the camera.



DIRTY IN BAG

The 220 L waste container can be used with easily replaceable disposable bags. To simplify emptying the machine and protect the operator from contact with dust.



LCD MONITOR

With a centrally controlled LCD monitor and a rearview camera, to view all the functions of the sweeper.



ON-BOARD BATTERY CHARGER

Equipped with on-board single-phase charger.



LOW-PRESSURE WASHING LANCE

To disinfect and sanitize. It is useful to clean the sweeper.



SUCTION TUBE

It allows to reach the most narrow spaces.

PERFECT FOR ANY AREA OF SMALL AND MEDIUM DIMENSIONS BOTH INTERNAL AND EXTERNAL



METAL FRAME

The MP-HT metal frame makes this sweeper extremely solid and able to absorb important stresses.



RAISED FILTER WITH CYCLONE CHAMBER

The cyclonic filtering chamber has been developed to guarantee the lowest possible clogging of the filter and to allow it to work even in the presence of wet floors.



SIMPLE MAINTENANCE

The fairing is easily removed and it facilitates the ordinary maintenance operations also for not specialized operators.



WORK IN SLOPE

The AC traction motor with low energy absorption does not steal power from the machine, able to operate even on sloping surfaces and steep ramps (20%).



EASY TO TRANSPORT

The small size allows WIND ZERO to be transported even in small vans, avoiding the use of vehicles that require specific licenses.

WIND ZERO

COMFORTABLE AND EASY TO USE

DRIVING COMFORT

The central driver's seat has an ergonomic and adjustable seat, functional to correct posture. The operator works comfortably, without getting tired.



INTUITIVE CONTROLS

The controls, located on the seat armrests, are conveniently accessible. At the front, in the driver's seat, the LCD screen allows you to check your work without distractions.



EASY MAINTENANCE

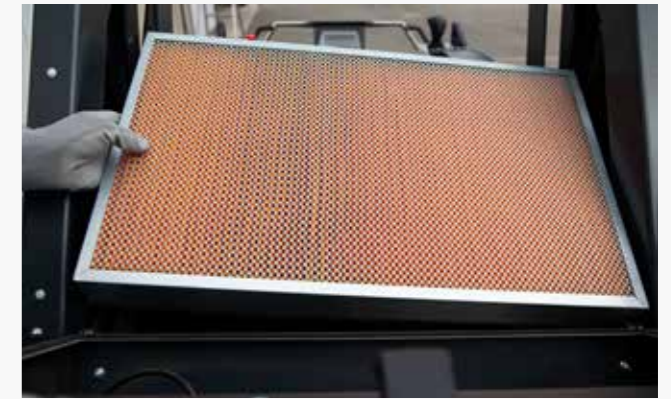
The main components are easy to access. Ordinary maintenance operations can also be carried out by unskilled personnel. Replacing brushes and filters will no longer be a problem. The battery, located under the seat, is easily accessible.



WORK IN SAFETY

RAISED FILTER WITH CYCLONE CHAMBER

The filter, easily accessible, is positioned above the cyclone chamber, so it stays away from dust and humidity and remains efficient for longer.



DUST CONTROL KIT

The water misting system on the brushes avoids the lifting of dust during work. A disinfectant can be added to the water tank to increase the cleaning effectiveness.



ECOLOGICAL



100% ELECTRIC

Conceived to be electric only, WIND ZERO boasts greater energy efficiency due to the absence of hydraulic circuits. It reduces CO2 emissions and noise emissions.

BATTERIES

It is possible to install different types of battery packs: Lithium, AGM and lead acid. All low voltage 24 Volt. Easily accessible and rechargeable, they guarantee a working autonomy of about 6-8 hours.



SEE TO YOURSELF SIMPLICITY
OF USE OF WIND ZERO

<https://vimeo.com/603946126>



CONNECTIVITY



A telematic device is installed on board the sweeper that allows you to:

- Geolocate the machine via a GPS, GLONASS and QZSS receiver
- Communicate data at high speed via an internal 3G-UMTS modem
- Communicate via WI-FI
- Communicate short range to 2.4 Ghz

OPERATION

By accessing an area reserved for the customer on the portal, the user enters his own personalized page and displays the sweepers he owns on the map.

Furthermore, with the remote control, the customer has the possibility to activate / deactivate the functions of the sweeper (traction, brushes, suction).

THE DETECTABLE DATA ARE:

- Machine status (On / off)
- Warning lights and alarms that may be active
- Machine working hours
- Last work session
- Battery status
- Maintenance status
- Management costs

ADVANTAGES:

- 1 Connection**
Communication Device and Data Collection
- 2 Digitization**
Use of information to feed decision-making processes
- 3 Intelligence**
Data management and information transformation to business value



PERFORMANCES	WIND ZERO
Hourly efficiency	9000/10.000 m ² /h
Working width with central brush	600 mm
Working width with 2 side brushes	1550 mm
Autonomy	6/8 h
Maximum speed	0-7 Km/h
Work climbing ability	22%
WASTE COLLECTION SYSTEM	
Hopper capacity + filter chamber	115+95 lt
Waste collection with standard plastic bag	Yes
Filter surface	4 m ²
Electric filter shaker	24 V
High dump	1570 mm
Suction hose (W - Ø)	3000 mm - 120 Ø
DUST CONTROL SYSTEM	
Water tank capacity	50 lt
Nozzles	n.2
Washing lance	7 bar
TECHNICAL DATA	
Motor power & Supply	24 V Lead-acid/Gel/AGM/Lithium Ion
Traction	Dual front wheel drive
Steering	Managed by a joystick
DIMENSIONS AND WEIGHT	
Dimensions	
Length	1945 mm
Width	1053 mm
Height	2056 mm
Steering range	2940 mm
Empty weight	550 Kg
AGM 320 battery and charger weight	194 Kg
AGM 400 battery and charger weight	228 Kg
Lithium Ion battery and charger weight	119 Kg
Lead-Acid battery and charger weight	180 Kg

Authorized dealer



MP-HT S.r.l.

Via Tamburin, 19 - 35010 - Limena (PD) - Italy
 T. +39 049 796 88360
 info@mp-ht.it
 www.mp-ht.it