

VERTIDRIVE M4

CLOSED SYSTEM HP CLEANING AND UHP HYDRO BLAST CRAWLER



Your convertible, environmentally friendly solution with high production rates. Closed hydro blasting in all directions.

All water and paint will be collected by your vacuum system or with our (optional) vacuum and separation system. Inside the blast can, a self-rotating nozzle bar with up to sixteen nozzles ensures a clean, fast and constant result.

The M4 is equipped with a self-rotating titanium rotor head with sixteen nozzles. The robot cleans surfaces seven times faster as a single person and ensures operator safety, comfort and quality.

The contaminated water stays in the closed system and is stored so it can be processed in a proper way. This closed system results in less to none contamination of the area and less impact on the environment.



CRAWLER FOR ULTRA HIGH PRESSURE WORKS



WORKS ON STEEL SURFACES IN ALL ORIENTATIONS



CLOSED SYSTEM. KEEPS YOUR SITE CLEAN



NO NEED FOR SCAFFOLDING OR CHERRY PICKERS



TURNS THE WORK INTO A ONE-MAN OPERATED JOB



STAY SAFELY ON THE GROUND: WIRELESS CONTROLS

40 m² / 430 ft² per hour







5x faster than manual work

5x more efficient

92% cost reduction

CASE MANUAL VS VERTIDRIVE M4

surface to treat 5,000 M² | 53 820 FT² Time span: 3 weeks

TIME			80% LESS WORKING HOURS
PEOPLE			78% LESS DIRECTLY INVOLVED PEOPLE
COSTS			80% COST REDUCTION

ALWAYS 100%

Where the human body gets tired, robots never will. This results in a constant quality and work pace.

ROI < 7,500 M²

Based on this case, the return on investment of a VertiDrive M4 is at 7,309m².



THE HYDROBLAST CRAWLER WITH A CLOSED SYSTEM

The VertiDrive M4 is developed to allow user to execute hydroblast operations in a closed vacuum system. This means that all the dirt is safely extracted and safely stored. No more dirt or pollution on site.



A closed system; keeps your site clean



Easy to setup and operate



Easy adaptable to your specific applications

GENERAL

Cleaning width	400mm 15,75"
Dimensions	900 x 1100 x 430 mm 35 x 43 x 17 "
Total Weight	73 kg 160 lbs

ELECTRIC VERSION

Control box	Stainless steel IP66
Connector	Schuko plug (CEE 7/4)
Power Supply	230 VAC - 50 Hz - 16 Amp Alternative power supply upon request
Cable length	50 m, extendable to 100 m
(Robot > Control box)	164 ft, extendable to 328 ft
Wireless control	128-bit connection, range up to 100 m 328 ft

PNEUMATIC VERSION

Control box	Stainless steel IP66
Connector	Claw coupling 1/2"
Air consumption	Max. 1.680 l/min 59cfm
Air pressure	6 - 7 bar 85 - 100 psi
ATEX zone 2	Available upon request

EASY TO (DIS)ASSEMBLE FITS THROUGH 24" MANHOLE

The VertiDrive M4 is demountable in a few minutes. This allows you to carry the robot through manholes for operations in tanks and other confined spaces.

