

VERTIDRIVE M7

ONE MACHINE, MULTIPLE SOLUTIONS



The all-rounder with multi-directional swing arm. Smaller footprint for smaller radius with an incredible high production rate.

This crawler is designed to easily traverse horizontal, vertical and overhead steel surfaces. The system is suitable for (U)HP hydro blasting, abrasive blasting, camera inspections, NDT, induction and many other applications and does this ten times faster as a person.

It is remotely controlled by just one operator, and adheres to the surface with multiple powerful permanent magnets. Because of its smaller footprint it easily passes curves without losing its grip.

Equip your crawler with one of many standard applications or use your own custom engineered one and switch it in minutes. The short and narrow wheelbase of the VertiDrive M7 makes it extremely agile, compact and versatile.



CRAWLER FOR ULTRA HIGH PRESSURE WORKS



WORKS ON STEEL SURFACES IN ALL ORIENTATIONS



SAFE, CLEAN AND EFFICIENT



NO NEED FOR SCAFFOLDING OR CHERRY PICKERS



TURNS THE WORK INTO A ONE-MAN OPERATED JOB



STAY SAFELY ON THE GROUND: WIRELESS CONTROLS

65 m² / 700 ft² per hour

8x faster than manual work

8x more efficient

95% cost reduction

CASE MANUAL VS VERTIDRIVE M7

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

TIME			88% LESS WORKING HOURS
PEOPLE			83% LESS DIRECTLY INVOLVED PEOPLE
COSTS			85% COST REDUCTION

ALWAYS 100%

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

ROI < 5,000

Based on this case, the return on investment of a VertiDrive M7 is at 4,947m².



MAKE IT WORK

The VertiDrive M7 platform allows you to work with different applications. Attach one of the standard applications to the crawler or create your own specific application.



Change applications
in minutes



Versatile standard
applications available



Easy adaptable to your
specific applications

GENERAL

Cleaning width	1,500mm 60"
Dimensions	650 x 550 x 520 mm 25,60 x 21,65 x 20,45 "
Total Weight	55 kg 120 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

ULTRA HIGH PRESSURE APPLICATION

For the removal of paint

Pressure	Max. 3000 bar @ 40 l/min Max. 44,500 psi @ 10,5 gal/min
Nozzles	Self-rotating bar with 8 x M10 nozzles
Average production rate	60- 70m ² /h 645- 750 ft ² /h

HIGH PRESSURE APPLICATION

For the removal of dirt, debris and rust

Pressure	Max. 500 bar @ 90 l/min Max. 7,500 psi @ 24 gal/min
Nozzles	3 self-rotating nozzles
Average production rate	100 - 150 m ² /h 1100 - 1600 ft ² /h

GRIT BLASTING APPLICATION

For the removal of coatings

Nozzles	Two nozzle holders, suitable for mounting grit blasting nozzles. Adjustable position towards surface.
Average production rate	30 - 40 m ² /h 325 - 430 ft ² /h

