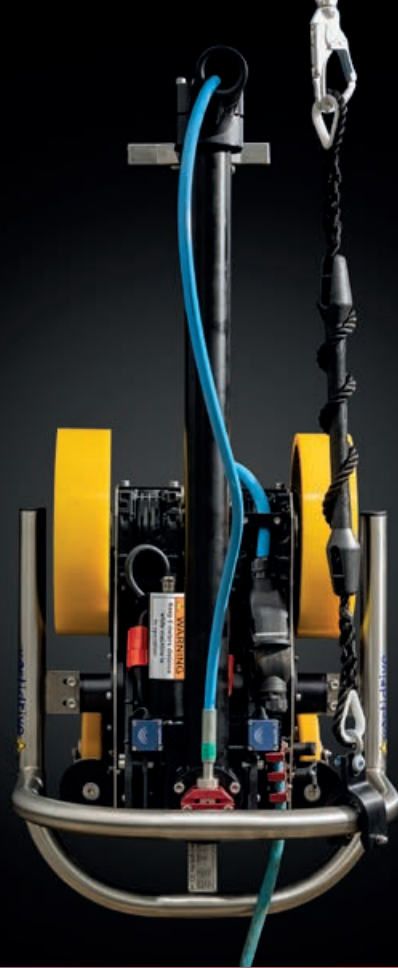


VERTIDRIVE M7

ROBOT FOR ULTRA HIGH PRESSURE WORKS

WORKS ON STEEL SURFACES IN ALL ORIENTATIONS

SAFE, CLEAN AND EFFICIENT



The VertiDrive M7 Robot was designed to traverse steel surfaces on horizontal, vertical and overhead axis. It sticks to the surface with powerful permanent magnets in the drive assembly. The M7 can be equipped with standard cleaning and blasting applications. Also, custom engineered solutions can easily be mounted.

Compact and powerful
The short and narrow wheelbase of the VertiDrive M7 makes it extremely agile, compact and versatile. The magnets are so strong that the robot easily passes over a curve without losing its grip.

Easy to use
Easily switch from Dry-blasting to Washing in just a few minutes. The M7 is easy to use for UHP water jetting, wet blasting, camera inspections, NDT, induction and many other applications.

Safer and faster
The VertiDrive M7 can be remotely controlled by just one operator. The operator can stay safely on the ground while the robot does all the work. The result is more comfort and higher productivity and better overall quality. In fact, the M7 treats surfaces ten times faster than by hand.

65 M² PER HOUR
700 FT² PER HOUR

8x MORE EFFICIENT

8x FASTER THAN MANUAL WORK

95% COST REDUCTION

NO NEED FOR SCAFFOLDING OR CHERRY PICKERS

1 TURNS THE WORK INTO A ONE-MAN OPERATED JOB.

STAY SAFELY ON THE GROUND: WIRELESS CONTROLS

CASE SURFACE TO TREAT: 5,000 M² | 53 820 FT² TIME SPAN: 3 WEEKS

	MANUAL	VS.	VERTIDRIVE M7	
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 4,947 m².

[VERTIDRIVE.NL/M7](https://www.vertidrive.nl/m7)

innovations that stick

vertidrive

ONE ROBOT, MANY POSSIBILITIES

MAKE IT WORK

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



Change applications
in minutes

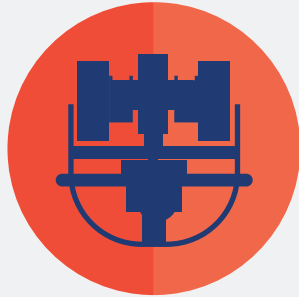


Versatile standard
applications available



Easy adaptable to your
specific applications

COMBINE THE VERTIDRIVE M7 ROBOT CARRIER WITH THE APPLICATION OF YOUR CHOICE



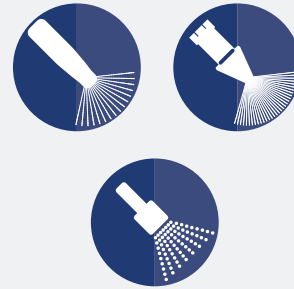
VERTIDRIVE M7

GENERAL

Cleaning width	1,500 mm 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 328 ft



APPLICATIONS



ULTRA HIGH PRESSURE APPLICATION

For the removal of paint

Pressure	Max. 3,000 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 - 70 m 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

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