
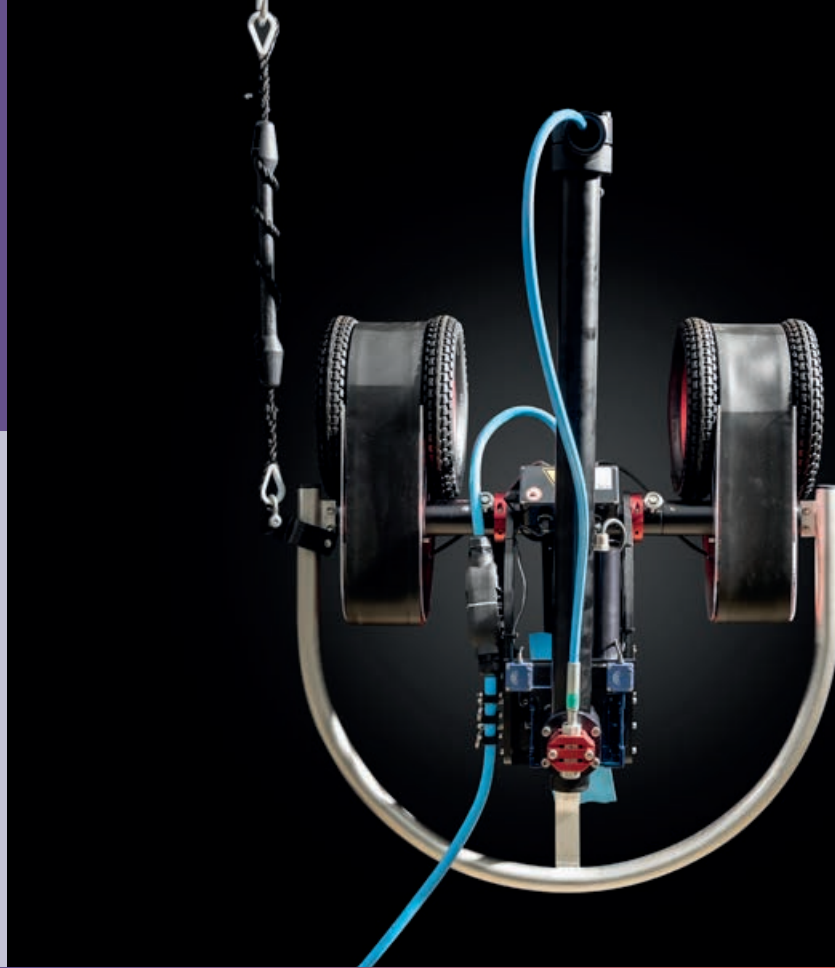


VERTIDRIVE M3

 ROBOT FOR ULTRA HIGH PRESSURE WORKS

 WORKS ON STEEL SURFACES IN ALL ORIENTATIONS

 SAFE, CLEAN AND EFFICIENT



The VertiDrive M3 robot carrier was designed to execute a variety of jobs on steel surfaces, such as washing, grit-blasting and hydro-blasting.

The robot sticks to the surface with powerful permanent magnets in the drive assembly, allowing it to operate on vertical, horizontal and overhead steel surfaces.

Safer and faster

The VertiDrive M3 can be remotely controlled by just one operator. The operator can stay safely on the ground while the robot does all the work. There is no need for crane assistance or cherry pickers. The result is more comfort, higher productivity and better overall quality. In fact, the M3 treats surfaces eight times faster than by hand.

All-rounder

The lightweight construction and quick (dis)connect system, reduce the change-over time to approximately ten minutes. This allows you to use the robot carrier for a variety of duties such as high pressure cleaning or grit-blasting.

A high-pressure nozzle bar of any kind can be mounted on the reciprocating boom. This ensures a constant, clean and effective result.

60 M² PER HOUR
640 FT² PER HOUR

7x MORE EFFICIENT

8x FASTER THAN MANUAL WORK

86% 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 M3 | |
|--------|---|-----|---|--|
| TIME |  | |  | 87% 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 M²
Based on this case, the return on investment of a VertiDrive M3 is at 4,644 m².

[VERTIDRIVE.NL/M3](https://www.vertidrive.nl/m3)

innovations that stick

vertidrive

ONE ROBOT, MANY POSSIBILITIES

MAKE IT WORK

The VertiDrive M3 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

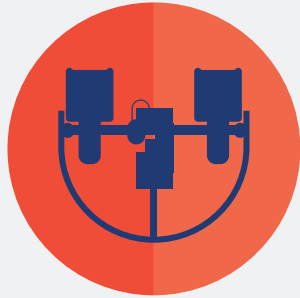


Versatile standard
applications available



Easy adaptable to your
specific applications

COMBINE THE VERTIDRIVE M3 ROBOT CARRIER WITH THE APPLICATION OF YOUR CHOICE



VERTIDRIVE M3

GENERAL

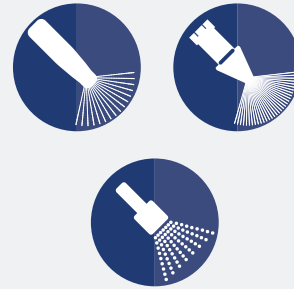
| | |
|----------------|---|
| Cleaning width | 1,500 mm 60 " |
| Dimensions | 950 x 930 x 620 mm 39.40 x 36.60 x 24.40 " |
| Total Weight | 62 kg 140 lbs |

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. 2520 l/min 665 gal/min |
| Air pressure | 6 - 7 bar 85 - 100 psi |
| ATEX zone 2 | Available upon request |



APPLICATIONS



ULTRA HIGH PRESSURE APPLICATION

For the removal of paint

| | |
|-------------------------|--|
| Pressure | Max. 3,000 bar @ 40l/min Max. 44,500 psi @ 10.5 gal/min |
| Nozzles | Self rotating bar with 8 x M10 nozzles |
| Average production rate | 50 - 60 m ² /h 540 - 640 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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