



vertidrive
WE CREATE
INNOVATIONS
THAT STICK | **M7**

MULTI-PURPOSE WASHING - HYDROBLASTING - ABRASIVE BLASTING

M7

Magnetic Robot Crawler

Multi-purpose, compact and agile open blasting solution for operations on vertical, horizontal and overhead steel surfaces.

The VertiDrive M7 is a comprehensive solution for fast and efficient removal of industrial coatings, corrosion, and other types of contamination on large steel surfaces, such as storage tanks, ship hulls, and other large steel structures.

The magnetic robot crawler enables operators to operate safer, faster, and more cost-efficient. The VertiDrive M7 is a versatile robot and can

carry applications for HP, UHP, and abrasive blasting.

The VertiDrive M7 is our original powerful solution conquering the extra challenging, curved and irregular steel surfaces.

The VertiDrive M7 adheres to the surface by using powerful permanent magnets. The M7 robot is remotely operated and enables the operator

to stay on the ground and keep a safe distance from the crawler. Compared to the VertiDrive M3, the VertiDrive M7 has a shorter, narrower wheelbase and a smaller working radius, ensuring maximum maneuverability in narrow spaces.

The swing arm moves automatically at a preset speed in a consistent arc pattern. Then, the crawler moves forward after each swing.

VERTIDRIVE M7

- 8 x faster than manual work
- Horizontal and vertical surfaces
- Multi-purpose solution
- Interchangeable applications
- Multi-directional swing arm
- 1200 mm (48") cleaning width
- Compact, agile design for smaller working radius
- Wireless control
- Powered by 70Vdc motors



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OUR SERVICE

- > Full-service package
- > Global partner network
- > 24/7 technical support

TECHNICAL SPECIFICATIONS**General**

Cleaning width	1200 mm 48"
Dimensions (L x W x H)	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
Power supply	230 VAC - 50 Hz - 16 Amp for control box Alternative power supply upon request
Wireless remote	IP65 housing range up to 100 m / 328 ft
Connector	Schuko plug (CEE 7/4)
Cable length (Robot - Control box)	50 m, extendable to 100 m 164 ft, extendable to 328 ft

APPLICATIONS**Ultra High Pressure** - removal of paint / coatings / surface preparation

Pressure	Max. 3000 bar @ 40 l/min Max. 43500 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 Washing - removal of corrosion / dirt / debris / fouling etc.

Pressure	Max. 1000 bar @ 80 l/min Max. 14500 psi @ 21.1 gal/min
Nozzles	1 or 3 self-rotating nozzle application
Average production rate	150 - 200 m ² /h / 1615 - 2150 ft ² /h

Abrasive Blasting - removal of paint / coatings / surface preparation

Nozzles	Max. 500N up to 2 nozzles
Average production rate	30 - 40 m ² /h / 325 - 430 ft ² /h

OUR ADVANTAGES

- > Average performance increase of 800%
- > Up to 80% cost reduction
- > Improves operator safety, comfort and productivity
- > Reduces labor
- > Reduces working at height to a minimum
- > Reduces turnaround time
- > Plug & Play
- > Low maintenance
- > Easy to transport
- > Consistent high quality
- > Environmentally friendly

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BlastOne International
4510 Bridgeway Ave
Columbus, OH

1-800-999-1881
sales@blastone.com

www.vertidrive.com

