

## VERTIDRIVE M8



CONSISTENT HIGH  
QUALITY CLEANING



WORKS ON STEEL  
SURFACES IN ALL  
ORIENTATIONS



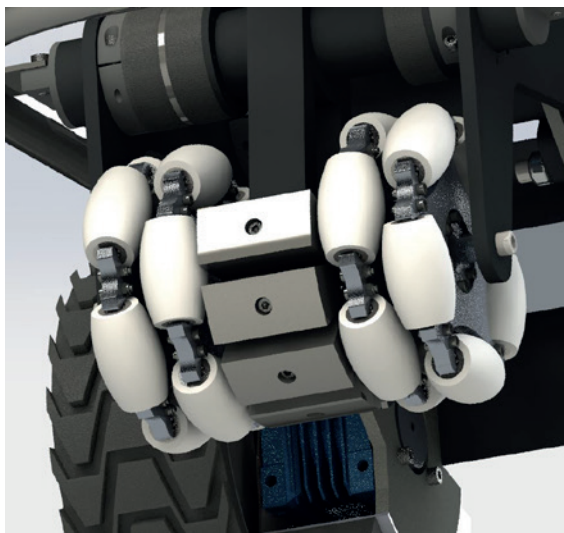
REDUCES WORKING AT  
HEIGHT TO A MINIMUM



**Cargo Holds of dry/liquid bulk carriers require a certain degree of cleaning when changing cargo. Such cleaning is a time consuming and at times hazardous task for the crew, which can be performed mainly while in port. The risk of not being sufficiently clean can be excessive, so a consistently high cleaning quality is necessary when i.e. grain clean is required. By cleaning the majority of the cargo hold with a magnetic crawler, you can reduce the cleaning time, increase safety, reduce risk and clean while in open water.**

VertiDrive, in close cooperation with partners from the field, has worked relentlessly over the past years towards a new solution called the VertiDrive M8 Cargo Hold Cleaner. The robot is packed with the latest VertiDrive innovations, yet designed and tested to operate in the most demanding environments. The controls are designed to be intuitive for operation by a crew not necessarily experienced to work with (semi-) automated equipment.

VertiDrive is world's leading manufacturer of magnetic robotic crawlers for heavy duty applications. We have put our years of experience into the development of the VertiDrive M8 Cargo Hold Cleaner, which we can safely say that it's our most advanced model today. We are convinced this crawler will disrupt the way cargo hold cleaning is performed



[VERTIDRIVE.NL](http://VERTIDRIVE.NL)

innovations that stick

vertidrive

# ADVANTAGES OF THE CARGO VERTIDRIVE M8 HOLD CLEANER



**SAFER** Reduce working at height to clean your cargo hold

**CONSISTENT QUALITY** Integrated automated washing programs

**CONVENIENT** Operator stays safely on the ground, with intuitive control over the robot

**SUSTAINABLE** Efficient use of potable water means less water and less detergents

**WHENEVER, WHEREVER** Clean your cargo hold anywhere, anytime, even in transit between ports

## THE NEW STATE OF THE ART CARGO HOLD CLEANING SOLUTION

### GENERAL

Cleaning width	1,200 mm 47.24 "
Dimensions	1,200 x 640 x 640 mm 47.24 x 25.19 x 25.19 "
Total Weight	75 kg, divisible in two sections of 36 / 39kg for ease of transportation 165 lbs (79 / 86 lbs)

### HIGH PRESSURE WATER SUPPLY

Max. pressure	500 bar 7,250 psi
Max. flow	20 l/min - increased flow available upon request 5.3 gal/min
Max. temperature	90 °C 194 °F

### AUXILIARIES

Control box	300 x 210 x 400 mm, stainless steel 11-13/16 x 8-3/4 x 15-3/4 in]
Remote Control	Range of operation 100 meter in standard (434Mhz) set-up 318 ft
Power/Control cable	50 meter 164 ft
Load arresters	2 pcs, with descender functionality
Pump connection	Included for most common pumps, ON/OFF and emergency stop
Wall Contact Switch	Included, for emergency shutdown should crawler lose contact

### POWER SUPPLY

Required power supply	220 – 240V / 50Hz (1 Ph + N), 16Amp alternative power supplies available upon request
Standard power plug	Schuko (CEE 7/4)

### OPERATION LIMITS

Crawler payload	1,500 N 337 lbf
Temp. limits	+3 ~ +45 °C +37 ~ +113 °F
Curvature	Internal radius 4 meter – external radius 6 meter
Angle between planes	Internal 120 degrees – external 240 degrees
Contamination	All common bulk products, i.e. pet cokes, coal, cement, grain, oil products
Chemicals alkaline and acids	Resistant to most common detergents, i.e.



## EASY TO (DIS)ASSEMBLE

### TRANSPORTABLE BY HUMAN OPERATOR

The VertiDrive M8 is demountable in under 1 minute. This allows for ease of transportation on board by human operators.

Both the disassembled M8 crawler as well as the control cable and control box are designed to be hand carried by a human operator and without crane assistance.

innovations that stick

Gieterijweg 15  
3089 JZ Rotterdam  
The Netherlands

+31 10 763 02 00  
sales@vertidrive.nl  
vertidrive.nl

vertidrive