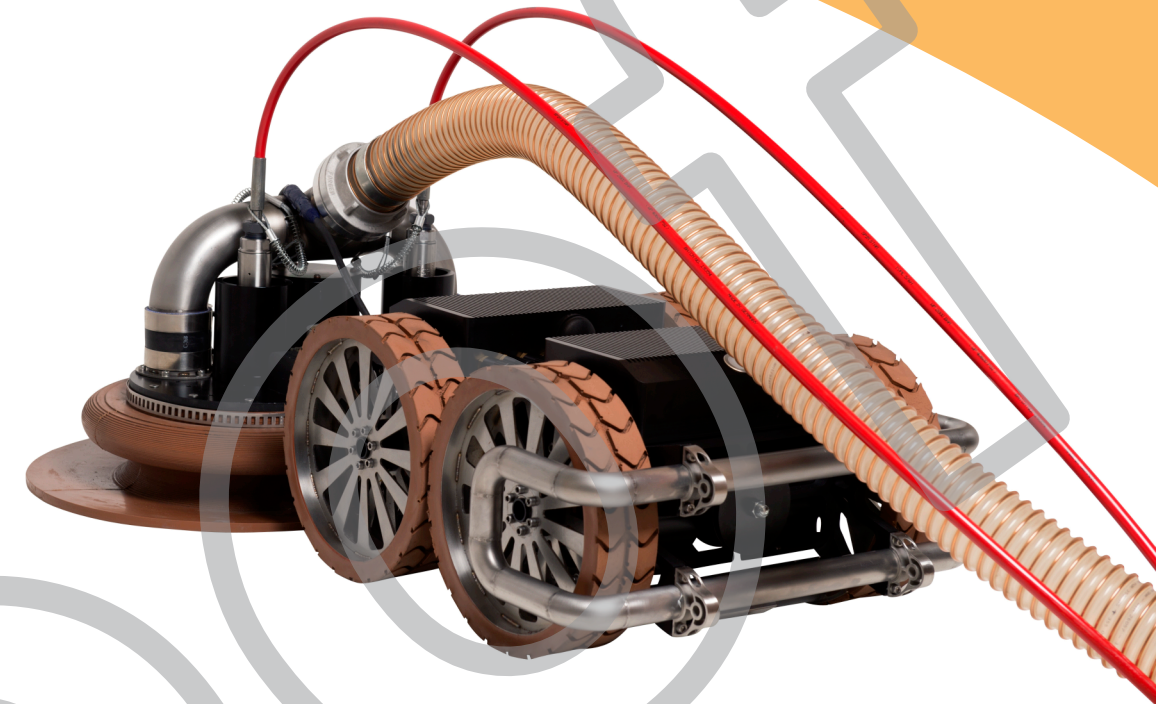


| Let's introduce ourselves
Who are we ?

Nijburg engineering bv
Established in 2008 is
an innovative
engineering company
designing state of the
art cleaning robots for
both shipping and
petro chemical
industry.

| We have a long track
record and proven
tools delivered to
satisfied customers all
over the world.



The next generation Cleaning robot

If you would like more information or wish to enquire further regarding Nijburg engineering's
services please feel free to contact us

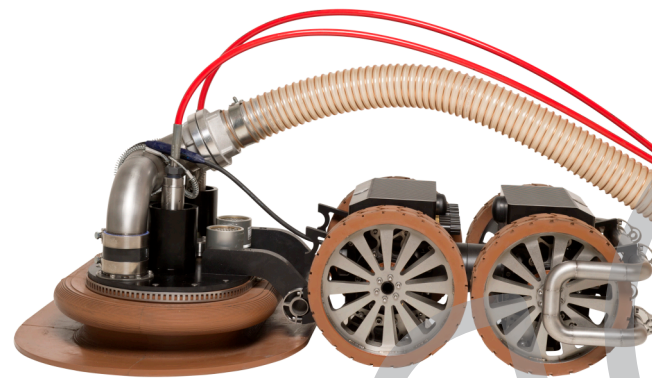
Nijburg Engineering bv
Welysestraat 5 6669 DG Dodewaard The Netherlands
daviid@nijburg.engineering

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 **NIJBURG**
TRADING & ENGINEERING

Our new product

We are proud to present our new developed magnetic cleaning robot.
The user friendly and easy to operate robot is developed to clean large vertical steel surfaces to assist (cleaning) contractors both in shipping and petro chemical industry.
The high possible pay load (150 kg) does allow the 4 wheel carrier to be equipped with several (cleaning) tools.
The robot can be fitted with high pressure water cleaning or paint stripping tools. Also inspection and camera modules can be placed.
All the control units are on board in a watertight IP 69K aluminum control box. The on board computer allows further extension for fully autonomous operation.
Light washing or removal of the toughest paints can be performed semi or automatically.



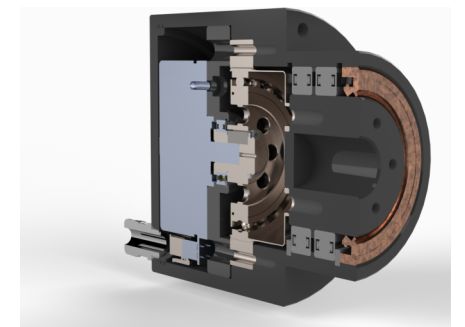
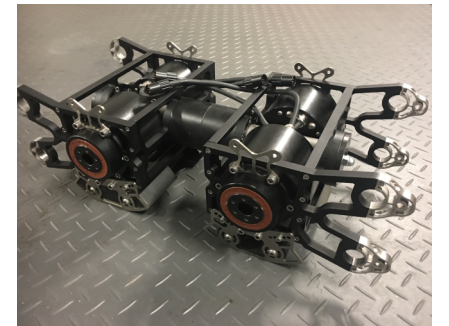
Specifications ;

CE, ATEX II, NEN-EN-IEC 60204-1
Remote controlled
Power supply: 48 volt DC
Weight: 69Kg
Magnetic holding force: 530 Kg
Pay load: 150 Kg
Speed: 10 meter/min
Does fit trough a 60 cm man hole



On board control box
- Warning/Indicator light
- IP 69 K (50 meter water depth)
- Watertight sub con connectors.
- Easily to exchange

Actuator/drive unit
- 48 volt DC 260 to 600 watt @ 1250 rpm
brushless DC motor with hall sensors coupled with a backlash free harmonic drive unit.
- The drive unit is available in eight sizes and five ratios between 30:1 to 160:1
with a maximum torque between 100 to 372 Nm.
- IP 69K
- The design is to meet EX II specifications



About us ;

Nijburg engineering bv Located in the Netherlands,
Dodewaard is an innovating engineering company
designing and manufacturing cleaning robots for the
shipping, off shore and petro chemical industry
Our track record does prove excellence in engineering
solutions and satisfied customers.
We strive for client satisfaction by designing user friendly and
low maintenance machines



- Worldwide remote access (4G LTE comms)
to the onboard computer/ raspberry PI
- Real time, web based monitoring control data base
center
- Motors and controllers are being monitored.
- Faults being recorded.
- Remote trouble shooting possible.

