

REMOTELY OPERATED CONFINED SPACE CLEANING ROBOTS

FULL CATALOGUE AVAILABLE:



FOR USE IN:

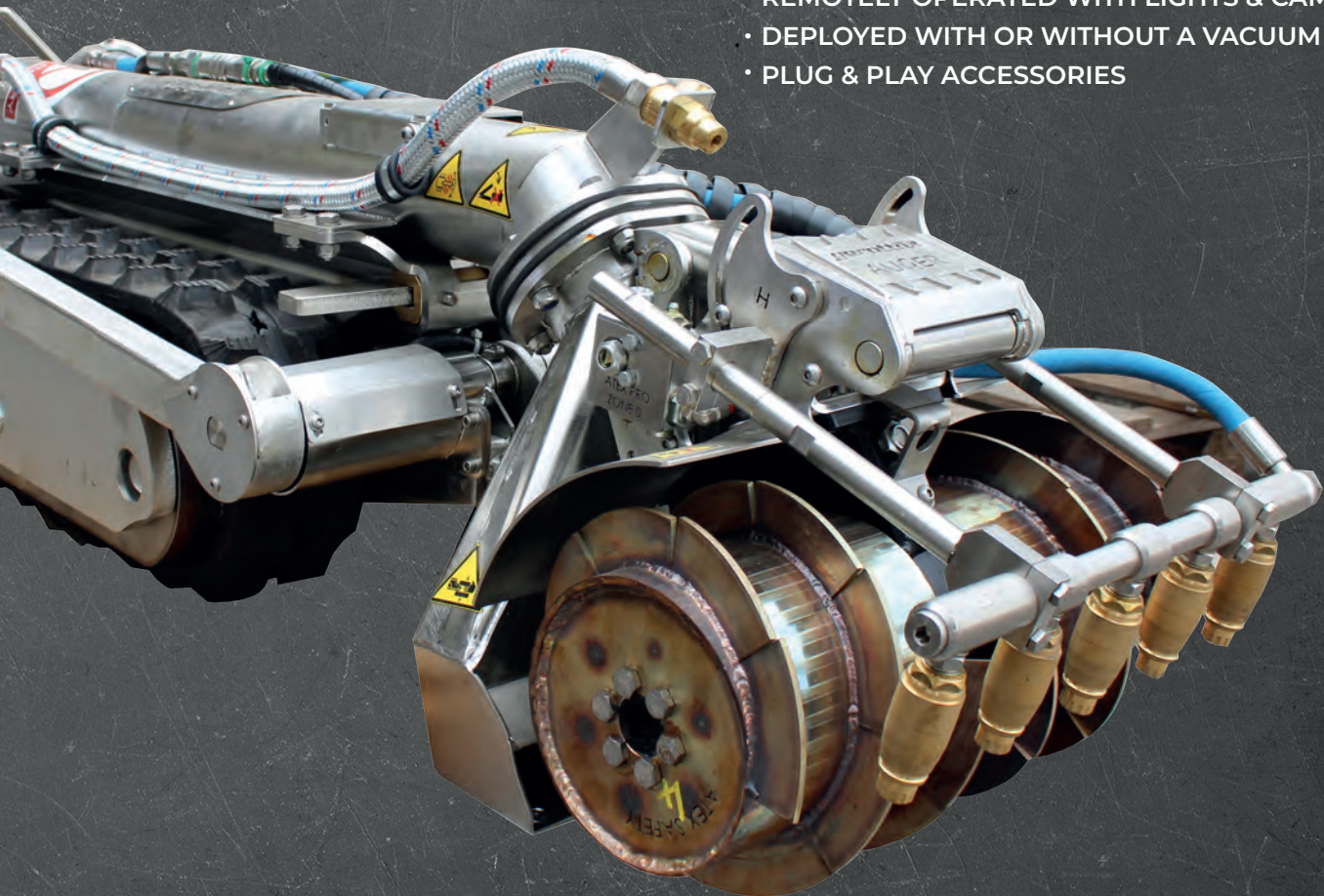
- TANKS, SETTLING PONDS, BASINS, PITS & MINES
- SEWERS, CALVITS, & LARGE PIPES
- FLOOD PREVENTION & CLEAN UP
- SOLIDS & LIQUID TRANSFER

BENEFITS:

- NO RISK TO LIFE OR LIMB
- NO HUMAN EXPOSURE TO TOXIC WASTE
- NO VENTING THE AREA
- LESS MANPOWER, CLEANING TIME IS REDUCED

FEATURES:

- FULLY CERTIFIED CLEANING ROBOTS
- REMOTELY OPERATED WITH LIGHTS & CAMERAS
- DEPLOYED WITH OR WITHOUT A VACUUM TRUCK
- PLUG & PLAY ACCESSORIES



Distributor in Hong Kong and Macau:

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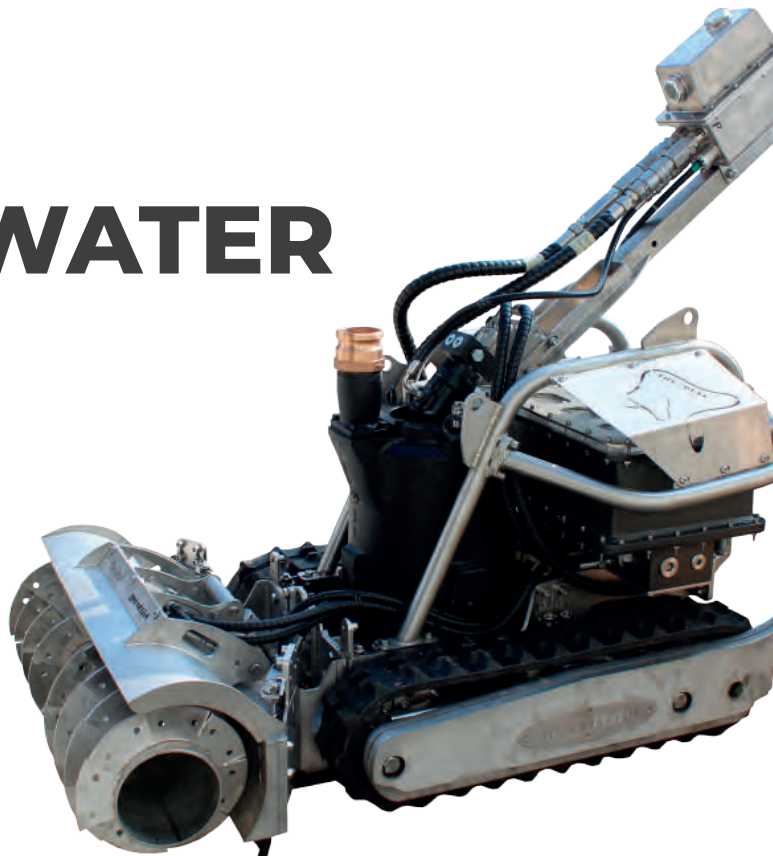
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ROV UNDERWATER THE BULL

The Bull is an underwater ROV (Remotely Operated Vehicle) suitable for cleaning water drain pipes and in-service cooling towers basins.

Thanks to the special dredging pump mounted onboard, it sucks up debris settled on the flat bottoms of underwater environments and can even work immersed in abrasive fluids. The Bull is radio-controlled so the operator can monitor operations from a safe distance.



TECHNICAL DATA

SUCTION HOSE

Ø 3" - 80 mm

MANHOLE

Ø 45" - 1140 mm

DIMENSIONS

L	58" - 1450 mm
H	35" - 870 mm
W	34" - 850 mm
▲	1643 lb - 745 kg

FEATURES

- Two hydraulic driven rubber tracks
- Remote controlled operations
- Dredging pump mounted onboard
- Interchangeable frontal tools

APPLICATIONS

Ideal for cleaning:

- COOLING TOWERS BASINS
- IN-SERVICE WATER PIPES
- UNDERGROUND SEWER DRAINS
- TANKS IN INDUSTRIAL PLANTS

*The images and technical data refer to machine already in production.
The R&D Department is at disposal to customize the products according to the most various needs.*



MINI BULL

TECHNICAL DATA



SUCTION HOSE

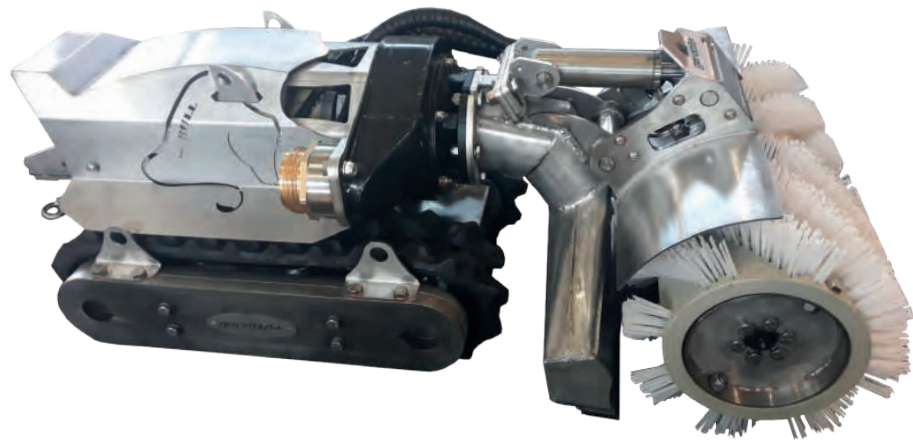
Ø 3" - 80 mm

MANHOLE

Ø 25" - 630 mm

DIMENSIONS

L	47" - 1170 mm
H	17" - 420 mm
W	21,5" - 540 mm
▲	529 lb - 240 kg



FEATURES

- Two hydraulic driven rubber tracks
- Hydraulic distributor to control the machine
- Centrifugal pump mounted onboard

ADVANTAGES

- No need for plant stoppage
- No man entry in confined spaces
- Limited mixing of sediment with water

Mini Bull is the smallest underwater robot created by our manufacturer. It is composed of a centrifugal pump for removing debris from the bottom of tanks and basins, mounted on a tracked undercarriage, to easily move on the surface and overstep small obstacles. The rotating frontal brush conveys the debris towards the suction nozzle of the robot and remove encrustations.



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HOW MINI ROBOT EXCAVATORS WORK



Vacuum Trucks and Suction Excavators are special vehicles created for sucking liquid or muddy material and, in the case of Suction Excavators, even solids.

These two types of machines, composed of a container mounted on a chassis and of a suction hose, work in a simple way: depending on the vehicle, a pump or a ventilator system creates the vacuum, so the material is sucked through the hose and then collected inside the container. In most cases, these operations are carried out by hand by workers who could be exposed to chemical agents, dangerous substances and explosive atmospheres.

To avoid any risk during suction works, Mini Robot Excavators have been developed that, connected to the suction hose of Vacuum Trucks and Suction Excavators, are remote controlled by an operator placed at a safe distance.



ADVANTAGES:

- Safe operations in confined spaces;
- Reduction of risks associated with manual labour;
- Time saving;
- Safety of operators;
- Operating costs reduction;
- No plant stoppage;
- Increased production.