



- The Robot -

Technical features

Hydraulic circuit

Oil Pressure: 150 bar

Oil Flow: 30 lt/min

N.2 hydraulic motor axial piston

N.1 hydraulic cylinder

Geometric constrains:

Dimensions: 400x500x1100mm

Wheel Diameter: 310mm

Weight: 120kg

Minimum manhole entrance: 480mm

Front shovel inclination :

Maximum Height: 160mm

Mechanical chain tensioner

Performance:

Max rotational speed: 80rpm

Max forward speed: 1.2 m/s

Max pull: 500kg

Max Torque: 400 Nm

Auxiliary connection:

Suction hose: 101 -219mm

Power pack connection: hydraulic hoses 7+1

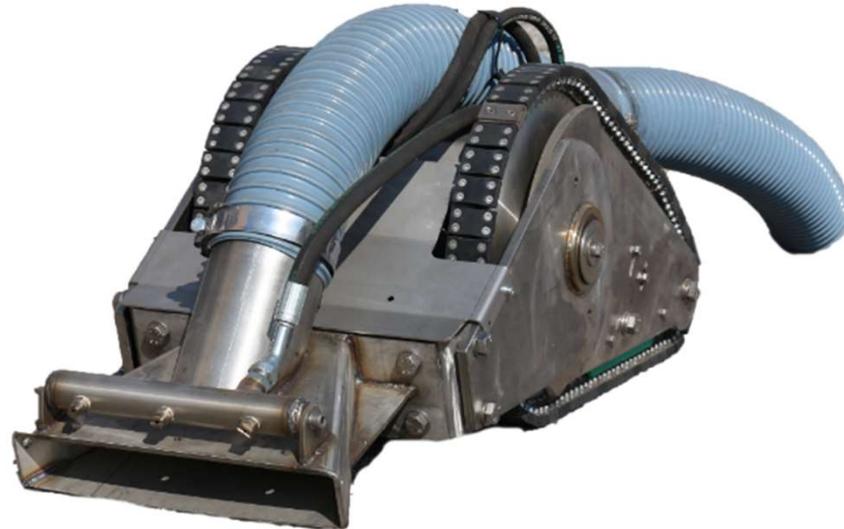
Max Hoses Length: 60mt

High Pressure Rotary Water nozzle

Chain Set-up:

Chain shoes: Stainless steel, magnet, rubber, PTFE

Explorer



Technical features

Hydraulic circuit

Oil Pressure: 150 bar

Oil Flow: 30 lt/min

N.2 hydraulic motor axial piston

Geometric constrains:

Dimensions: 350x280x680mm

Wheel Diameter: 230mm

Weight: 90kg

Minimum manhole entrance: 480mm

Undercarriage inclination :

Angle: 0° - 12° - 20°

Mechanical chain tensioner

Performance:

Max rotational speed: 80rpm

Max forward speed: 1 m/s

Max pull: 700kg

Max Torque: 400 Nm

Auxiliary connection:

Suction hose: 101 -219mm

Set-up HOSE DRAGGER: hydraulic hoses 2+1

Set-up ROBOT : hydraulic hoses 4+1

Max Hoses Length: 60mt

Chain Set-up:

Chain shoes: Stainless steel, magnet, rubber, PTFE

Hose Dragger (PIG)



Technical features

Hydraulic circuit :

Oil pressure: 150bar

Oil flow: 30lt/min

N.2 hydraulic motor axial piston

N.1 hydraulic cylinder

Geometric constrains:

Dimensios: 600x500x1200mm

Auger Diameter 250mm

Auger Pitch:250mm

Weight:130kg

Minimum manhole entrance: D 600mm

Hydraulic movement of the arms :

Aperture: 0° -35 °

Performance:

Max rotational speed: 80rpm

Max forward speed:20 m/min

Max Torque: 400 Nm

Auxiliary connection

Suction hose: 101 -219mm

Hydraulic hoses from power pack: 7+1

Max Hoses Length: 60mt

High Pressure Rotary Water Nozzle

Auger set up:

Materials: stainless steel, galvanized steel, rubber, PTFE

Tracker



Technical features

Hydraulic circuit :

Oil pressure: 150bar

Oil flow: 30lt/min

N.2 hydraulic motor axial piston

N.1 hydraulic slew drive

Geometric constrains:

Dimensions: 900x970x370mm

Auger Diameter 250mm

Auger Pitch:250mm

Weight:200kg

Minimum manhole entrance: D 1000mm

Steering angle:

Angle: -45° -45 °

Performance:

Max rotational speed: 80rpm

Max forward speed:1 m/sec

Max Torque: 400 Nm

Auxiliary connection

Suction hose: 101 -219mm

Hydraulic hoses from power pack: 7+1

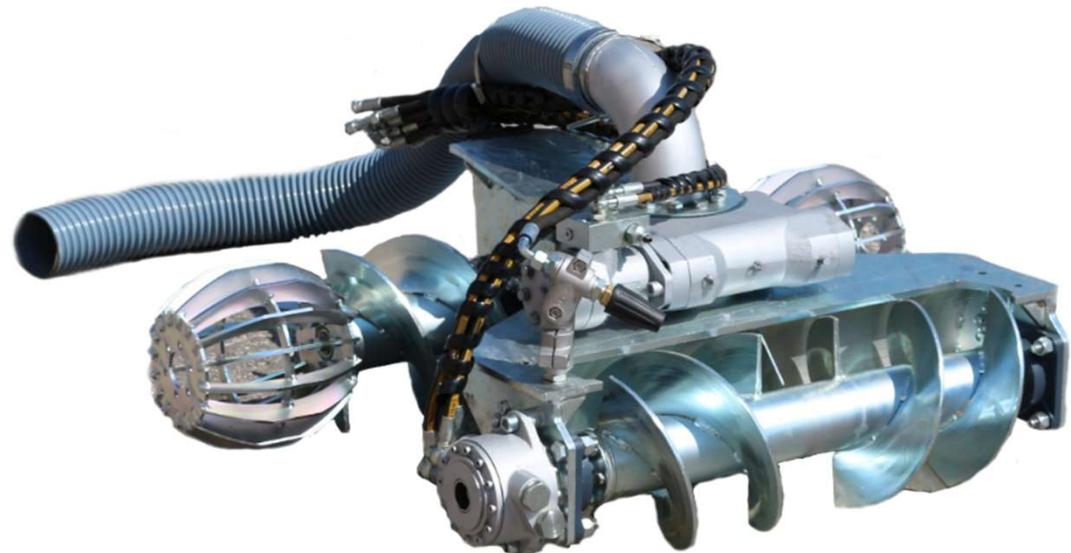
Max Hoses Length: 60mt

High Pressure Rotary Water Nozzle

Auger set up:

Materials: stainless steel, galvanized steel, rubber, PTFE

Omni-Tracker



- The Loaders -

LOADERS

*Chimeco Group use a **stand-alone robot** for hazardous area and confined spaces*

These robot do no require external powerpack therefore have freedom of movement inside the tank.

*Type of material to be removed: **Bulky dry material***

- **Robot JOX E**

Main features:

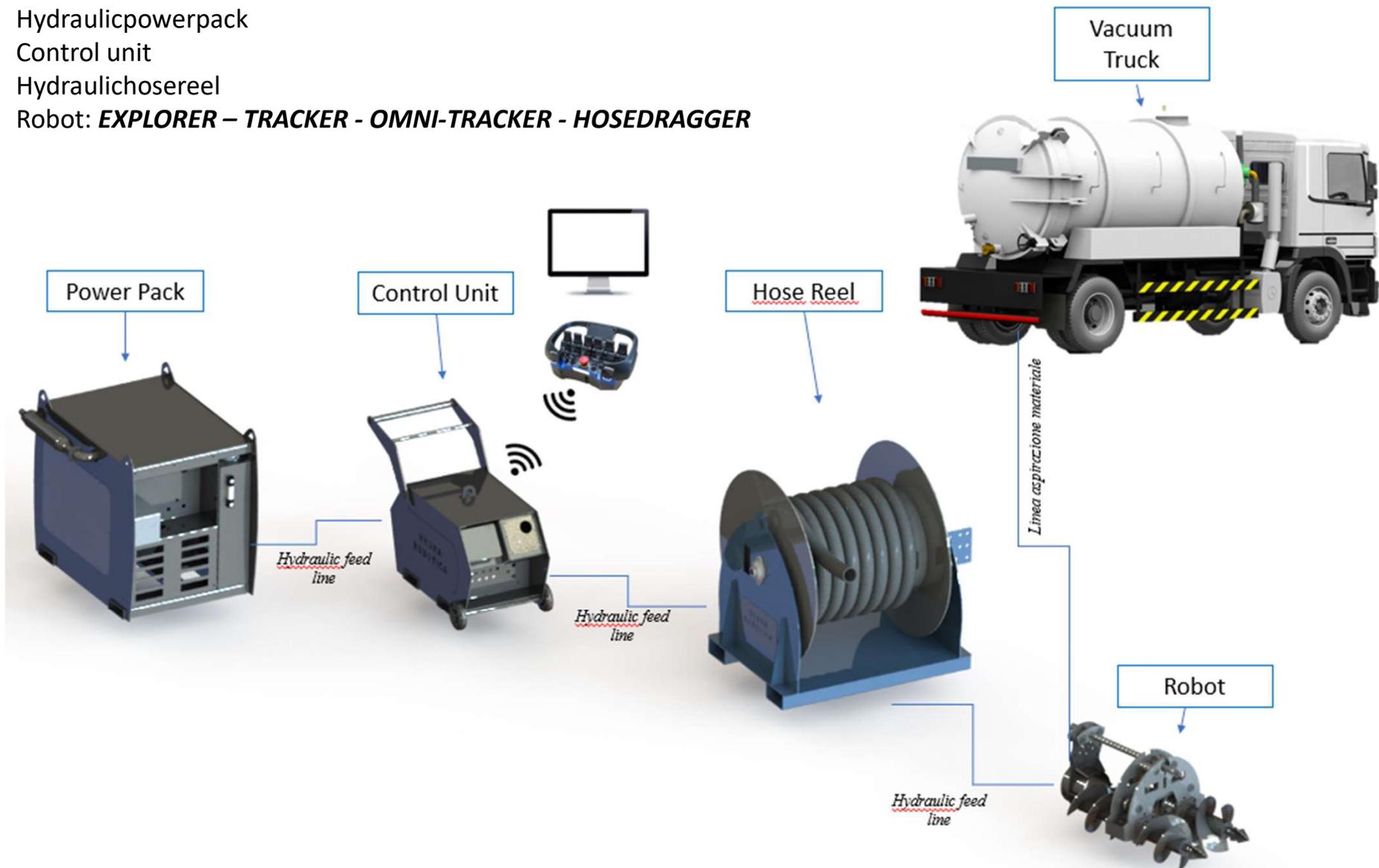
- Tracked undercarriage
- Fully electric
- Powered by **Lithium** batteries for long lasting operation



Tank Cleaning Robot

We design and manufacture a complete **tank cleaning robot** kit, which is composed by the following elements:

- Hydraulic powerpack
- Control unit
- Hydraulic hose reel
- Robot: **EXPLORER – TRACKER - OMNI-TRACKER - HOSEDRAGGER**



Reference in the Oil Industry



Reference in the Mining Industries

