

General

Dimensions 1200x600x800 mm
Weight 145 kg
Speed 0,45 m/sec
Battery Running 240 min.
Charging 180 min.

Environment

Climate -20° C to +60° C
Ground Conditions All surfaces including grated floors, ramps and stairs (up to 45°)

Arm

Long Arm 5 DOF
1400 mm horizontal
1800 mm vertical
End Effector Gripping force 100 N
Endless rotation
Max. torque ~150 Nm
Customized tools
Max. Lifting Up to 75 kg

Sensors

Cameras 2x 4K for 360° view
1x 4K in arm
Navigation 2x 3D LIDAR
Audio Microphone

Site requirements

Connection 4G or WiFi
Power 100 - 240 VAC
50/60 Hz max 1.3 A
Purging Gas Nitrogen

Safety

ATEX Zone 1
Monitoring SIL2, PL-D Onboard
Safety Controller

Development partners.



Our other robots.

gasfinder

Reliable, specialized and fast to identify even the smallest gas leaks.



inspector

The world's toughest data gathering robot.



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V2-OPfold-2-sep.2023

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A GAME CHANGER.



operator

Advancing robotics. Saving lives.

PIONEERING A NEW ERA.

Revolutionizing industrial operations.

Take the impact of robotics to the next level with the Taurob Operator. A cutting-edge solution designed to effortlessly interface with industrial machinery, handle valves, and execute other heavy-duty tasks in a complex and potentially hazardous environment. It offers unparalleled torque, as well as exceptional gripping and lifting capabilities.

Certified robot for broad application in the energy industry.

Elevate the efficiency of your operations with a robot boasting both ATEX and IECEx certifications. With options for remote control or full autonomy, the Taurob Operator is a versatile solution. Beyond equipment manipulation, it can also perform inspection and data collection tasks, featuring advanced sensors such as two 3D LIDAR and a depth camera, as well as 360° visibility and audio capture capabilities.

High-temperature resilience & heavy lifting.

Engineered to withstand extreme environmental conditions of up to 60°C, the Taurob Operator's high-performance arm can also lift an incredible 75 kg. Its robust end-effector delivers torque of up to 150 Nm and a gripping force of more than 100 N.



75 kg

It lifts up to 75 kg



Gripping force 100 N



Arm with 5 degrees of freedom



Max. torque ~150 Nm (precise torque measurement)



2 universal interfaces for future upgrades and extensions



Capability to use tools (e.g. grease dispenser, sample taking, ...)



Strong base with capability to take arm off

Climbing industrial stairs.



Temperature resilience.



Long mission endurance.



Inspection and data gathering.

