

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	4x 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.



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V2-OPfold-2-sep.2023

TAUROB
a Dietsmann Group Company



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



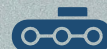
Max. torque ~150 Nm
(precise torque measurement)



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.

