

## 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
Purging Gas	50/60 Hz max 1.3 A Nitrogen

## Safety

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

## Development partners.



## Our other robots.



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**TAUROB**  
a Dietsmann Group Company

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 IECEEx 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.



It lifts up to  
75 kg



Gripping force  
100 N



Arm with  
5 degrees of freedom



Max. torque ~150 Nm  
(precise torque measurement)



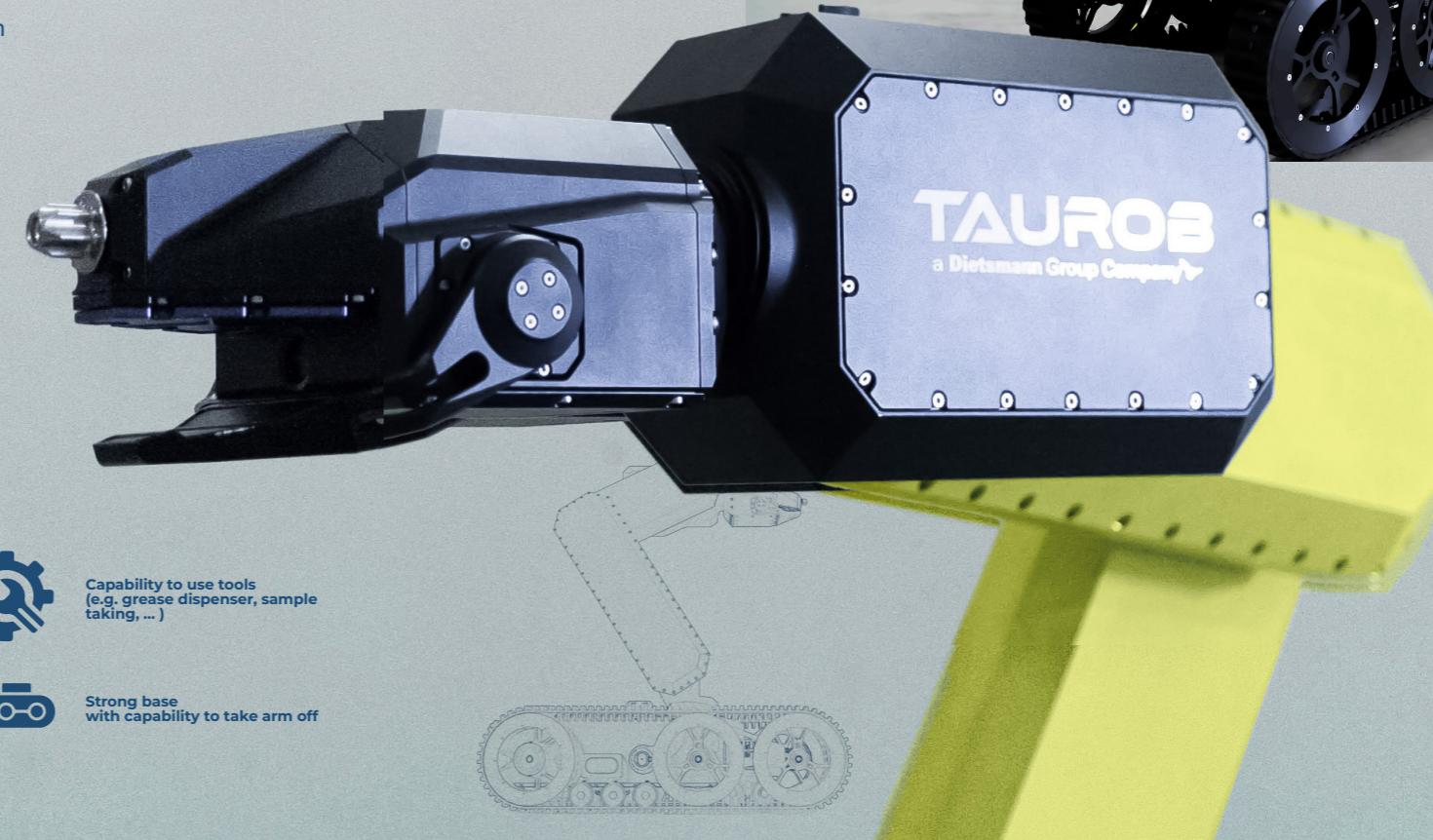
2 universal interfaces  
for future upgrades and  
extensions



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.

