

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.

gasfinder

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



inspector

The world's toughest data gathering robot.



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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.

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.

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.

Climbing industrial stairs.



Temperature resilience.



Long mission endurance.



Inspection and data gathering.



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

