TASKI® The ULTIMATE Cleaning Machines

TASKI GS Ecobot 50 Omnie

powered by Gausium Robotics

Autonomous scrubbing & drying robot



Cleaning Efficiency

The TASKI GS Ecobot 50 Omnie delivers high-performance cleaning with a theoretical performance of up to 2,300 m2 per hour. Its 30-liter tank enables long operating cycles, reducing labour, downtime and maximizing productivity across large areas.

Advanced Navigation & Obstacle Avoidance

Featuring advanced 3D LiDAR, the Omnie delivers highly accurate navigation and seamless obstacle avoidance. Together with an array of complementary sensors—such as cameras and backup LiDAR systems—it operates confidently, even in the most demanding environments.

Safety & IEC63327 compliance

Elevating safety as a foremost priority, the TASKI GS Ecobot 50 Omnie integrates LiDAR, cameras, anti-drop sensors, and advanced obstacle detection to ensure secure operation and a safe environment. Fully compliant with IEC 63327—the international safety standard for commercial cleaning robots—this standard is met by all TASKI robots, protecting customers, guests, and operators alike. Safety is non-negotiable.



Sustainability & Resource Efficiency

A four-stage filtration system cleans water down to one micron, enabling reuse during operation and significantly reducing water, chemical consumption, and environmental impact. The integrated HEPA filter captures fine airborne particles, improving indoor air quality for a healthier environment.

Connectivity & Reporting

Seamless operator communication is supported through comprehensive reporting, including key data such as area cleaned and water usage. This ensures full transparency and provides actionable insights for optimization and efficient fleet management.

Ease of Use & Intelligent Operation

A user-friendly touchscreen interface offers intuitive control and clear system visibility. Intelligent route planning ensures efficient and consistent cleaning coverage with minimal operator intervention.

Automation & Dosing Control

Flexible docking solutions include a workstation with automatic charging, water refilling, waste discharge, and auto-resume functionality, as well as a fast-charging station. An automatic dosing system precisely controls detergent usage, ensuring optimal cleaning performance while eliminating waste and manual handling.

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Technical Data		
Dimensions		
Length	810 mm	32 inches
Width	700 mm	27 inches
Height	1,070 mm	42 inches
Unladen weight	157 kg	346 lb
Squeegee width	700 mm	27.6 inches
Brush System		
Working width	46 cm	18.1 inches
Brush system	2x22.9 cm	2 x 9 inches
Brush pressure max.	25 kg	55 lb
Cleaning		
Max. theoretical productivity	2,300 m^2/hr	25,000 ft/hr
Max. area per tank fill	1200 m^2	13000 ft^2
Clean water tank	30 L	7.9 gal.
Recovered water tank	24 L	6.3 gal.
Movement		
Gradeability (auto cleaning)	4.6°	4.6°
Gradeability (auto driving)	8°	8°
Max. moving speed	1.4 m/s	2 mph
Min. passable width (auto)	800 mm	31.5 inches
Min. turn-around width (auto)	1,100 mm	43 inches
Electrical		
Battery type	Lithium Ion Phosphate	
Battery capacity	60 Ah	
Rated voltage	24 VDC	
Max. output power	1,200 W	
Charging time	2.0 hours	
Uptime	3-8 hours	
Sensing		
Standard	3D-LiDAR, 2D-LiDAR, 3D Depth Camera, 3D ToF Camera, etc. RFID Cliff Sensor, RGB Camera	

Product codes	
9311266	TASKI GS Ecobot 50 4.2 Omnie
9308945	TASKI GS Ecobot Workstation 50 V4.2
7525335	TASKI GS Charging Station 40/50

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