



ORIONSTAR | CLEANIBOT

All-In-One Instant Clean Commercial Cleaning Robot



MAXIMIZE YOUR CLEANING POTENTIAL

Complete the full cleaning process in a single operation

CLEAN FUSION

Self-developed digital-twin simulation platform enables an all-around analysis of multiple cleaning processes to generate valuable insights for technological enhancements of smart cleaning tools.

Automated/manual simulations provide better evaluation of new cleaning strategies and motion control planning.

Verification of the effectiveness of cleaning tools in different simulated scenarios is made available through the digital-twin platform.

FLEXIBLE

REAL

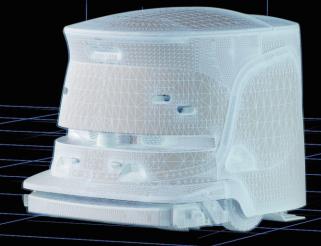
CLEAN FUSION

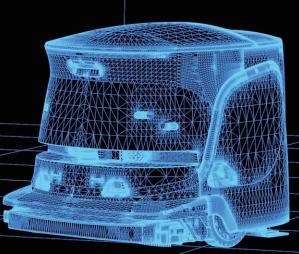
ACCELERATE

OPTIMIZE

Constantly achieve new technological breakthroughs using high-precision simulation of physical objects.

Provide optimal smart cleaning solutions by combining CLEANFUSION technology, 222 nm UV-C disinfection, and ultra-quiet cleaning performance.





PRODUCT FEATURES



ALL-IN-ONE

Sweep, scrub, vacuum, dust-mop, disinfect, and self-clean all in one



Fully Automated

No manual intervention required, automatically switches cleaning modes based on the environment.



Ultra-Quiet Cleaning

Noise level as low as 55 dB, even on full capacity cleaning mode



Obstacle Avoidance

More than 15 high-precision sensors ensure a safe work environment



Easy Maintenance

Integrated piping design reduces blockages Modular cleaning tools



One-Click Deployment

Built-in application enables easy deployment and quick activation of cleaning tasks



Efficient

Roller Brush Width: 520 mm Mop Pad Width: 540 mm/580 mm (optional)



Digital Management

OTA updates Cleaning reports available



FLEXIBLE

Gradability: 8° Min. Passable Width: 700 mm



Efficient Coverage for Up to 4,000 m²

Achieve a complete cleaning process in a single cycle, covering all four essential cleaning steps. Fully automated with no need for manual water refills or part replacements, ensuring a hassle-free, maintenance-free cleaning experience.



Mode	Nylon Roller Brush	Water Pump	Microfiber Brush	Vacuum	Mop Pad	Recommended Scenarios
Scrub	\odot	\odot	\odot	⊘	⊘	Ideal for most floor types, delivering optimal cleaning performance.
Power Scrub	\bigcirc	\odot	\bigcirc	\odot	\bigcirc	Designed for deep cleaning of heavily soiled hard floors.
Dust Mop	\otimes	\otimes	\otimes	\otimes	⊘	Recommended for delicate surfaces like polished or marble floors where quiet is preferred.
Sweep & Vacuum	\odot	\otimes	\odot	\bigcirc	\otimes	Ideal for low-pile carpet cleaning.
ECO Vacuum	⊘	\otimes	\odot	⊘	\otimes	Quietly cleans heavily dusted hard floors with energy efficiency.
Sweep, Vacuum & Mop	\bigcirc	\otimes	\bigcirc	\bigcirc	\bigcirc	Removes dust, dirt, and debris without using water.
Customized	⊘	⊘	⊘	⊘	\odot	Cleaning tools can be configured to meet specific cleaning requirements.



















Marble

Granite

Ероху

Rubber

Hardwood

Tiles

Concrete Mixed

PVC



Microfiber Roller Brush

- Suitable for all types of hard floorings
- Recommended for wooden and natural stone floors (hardwood, mixed floors, marble)
- Protects floors while effectively cleaning



- Spiral Nylon Roller Brush Recommended for hard surfaces (ceramic tiles, concrete)
 - Effective in removing stubborn stains



Extra Soft & Dense Nylon Roller Brush • Customization service available for special flooring types



EASY MAINTENANCE

Waste Water Tank

Straine

Nanocolloidal silver prevents unpleasant odors

Clean Water Tank

The ozone generator constantly disinfects cleaning water to avoid secondary pollution on the floor

Low-curvature Pipe Design

Allows for easy maintenance & fast removal of blockages

Integrated Piping Design

Streamlines the flow of liquids, minimizing the chances of blockages that can cause system malfunctions and downtime



AI CLEANING

Equipped with 15 different sensors to ensure a 360° safe work environment

Stereo Camera

Cliffs/steps detection

Ultrasonic Sensors -----

Smart obstacle avoidance

LiDAR Sensor -----

Up to 10,000 m² map construction capacity Auto positioning and real-time map updating

Line Lasers

5 cm* distance to the wall and corner to maximize cleaning area

*Note: The robot default is 10 cm, and the manual way is 3-5 cm



Real-time intelligent path planning & smart obstacle avoidance



ORIONSTAR

Remote deployment, Cloud-based maintenance, OTA updates and data reporting



Achieve superior cleaning performance with a 97% water recovery rate. OrionStar CleaniBot effectively removes stubborn dirt without leaving any water marks, preventing secondary contamination and minimizing the risk of slips and falls.

SPECIFICATIONS

ITEMS				
Clear Water Tank Capacity	22 L			
Waste Water Tank Capacity	15 L			
Cleaning Efficiency [1]	Scrub: 1197 m²/h Sweep & Vacuum: 1368 m²/h Dust Mop: 1368 m²/h	Power Scrub: 1197 m²/h ECO Vacuum: 1368 m²/h Sweep, Vacuum & Mop: 1368 m²/h		
Cleaning Path	Zigzag			
Gradeability	Maximum uphill angle: 6°	Maximum operating slope: 8°		
Min. Passable Width ^[1]	700 mm			
Braking Distance at Full Speed	30 mm			
Charging Cycle	< 4 h			
Battery Life	Scrub: 4.5 h Sweep & Vacuum: 4.5 h ECO Vacuum: 19.5 h	Power Scrub: 3.5 h Sweep, Vacuum & Mop: 4.5 h Dust Mop: 28 h		
Noise Control	Scrub: 55 dB	Dust Mop: 45 dB		
Screen Size	10.1 inch			
Weight	70 kg			
Size(length*width*height)	650 mm x 580 mm x 550 mm			
Cleaning Modes	Scrub / Power Scrub / Sweep & Vacuum / Sweep, Vaccum & Map / ECO Vaccum / Dust Mop			

[1] Varies depending on the selected cleaning mode.

APPLICATIONS













CERTIFICATES



ORIONSTAR ROBOTICS

Born for truly useful robots



INTRODUCTION

OrionStar, founded in 2016, is a global leader in Large Language Model-Powered Service Robotics. Leveraging cutting-edge AgentOS and advanced voice-interaction technology, we develop robots to streamline repetitive tasks and facilitate human-robot collaboration.

We have shipped over 60,000 robots to more than 60 countries and regions across the catering, retail, warehousing, and manufacturing sectors. Our service robotics solutions are co-developed with global partners on our open RobotOS platform, ensuring ease of use, intelligent performance, high efficiency, and cost-effectiveness.

Guided by our vision "Born for truly useful robots", OrionStar is redefining the industry of service robotics, seamlessly integrating new AI technology into daily life to make the world smarter.





OrionStar Website





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