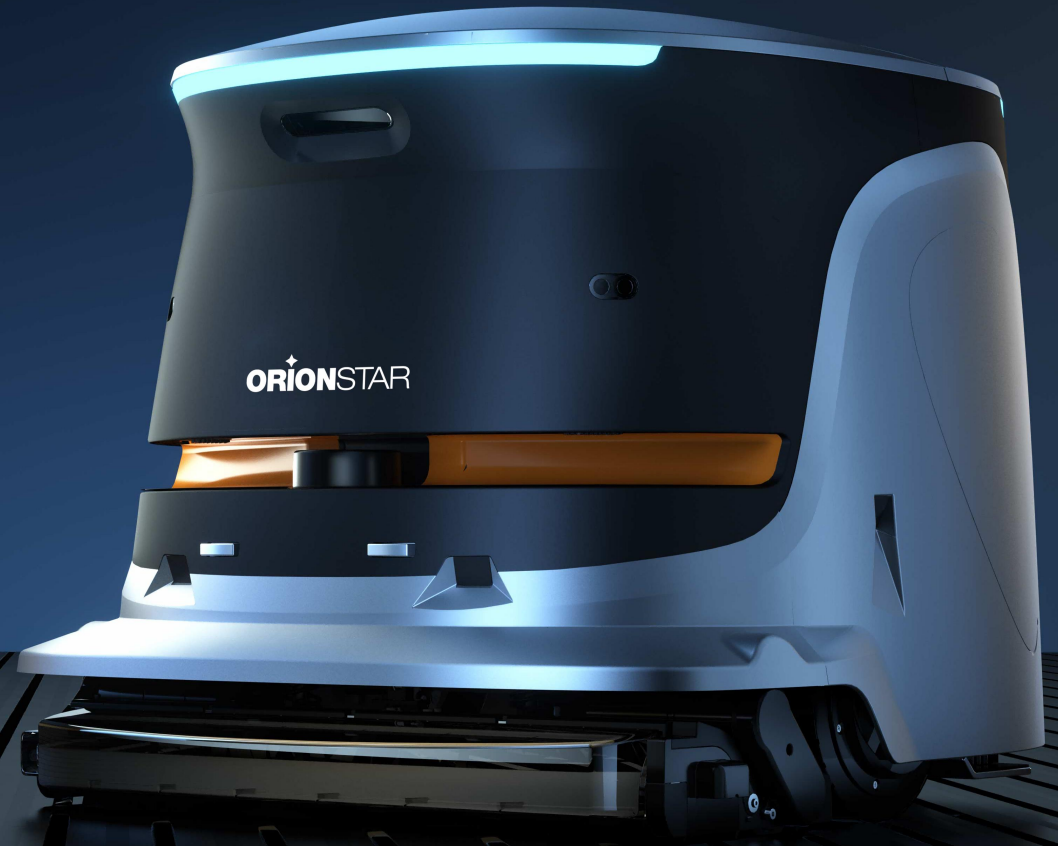


AI Cleaning Robot

ORIONSTAR CLEANIBOT

MAXIMIZE YOUR CLEANING POTENTIAL



InstantClean Floor Care Solution

ORIONSTAR



Powered by InstantClean Floor Care Solution, the robot can sweep, scrub, vacuum, mop, self-clean and disinfect all at once, while ensuring amazing cleaning results.

Product Highlights

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Easy to Use

One-click switching between multiple modes, no component changes required, eliminating hassle.

Effortless Maintenance

Minimal maintenance required for day-to-day operation.



Superior Safety

Rapid drying with no residue, ensuring floors stay dry and safe.

Ultra-Quiet Operation

Ultra-quiet performance for peaceful operation in busy public spaces.

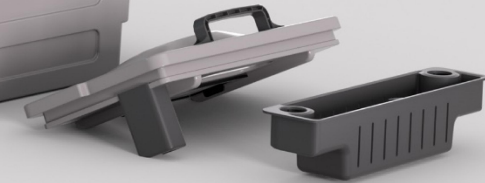
Simple Design, Easy to Use

Filtered 222nm Far UV-C Light

(Optional, extra charge applies)
Far-UVC light disinfecting module inactivates bacteria and viruses while carrying out floor cleaning tasks.



**Waste Water Tank
with HEPA Filter**



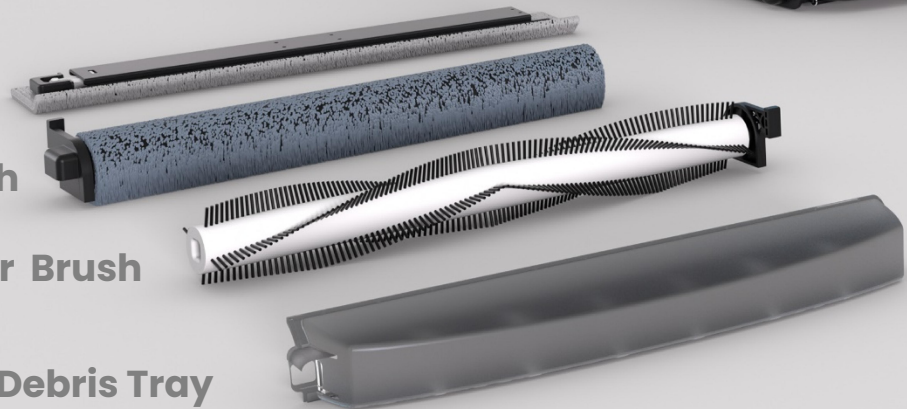
Strainer

Mop Pad

Scrubber Brush

Sweeper Brush

Debris Tray



**Easily switch among different
cleaning modes without the
need to change any tools.**

Multiple Cleaning Modes

OrionStar CleaniBot offers a variety of cleaning modes to meet different cleaning needs.

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

Maximize Your Cleaning Potential

CleaniBot's **InstantClean Floor Care Solution** delivers exceptional cleaning performance. Its low-maintenance design makes it an ideal choice for commercial indoor floor care.

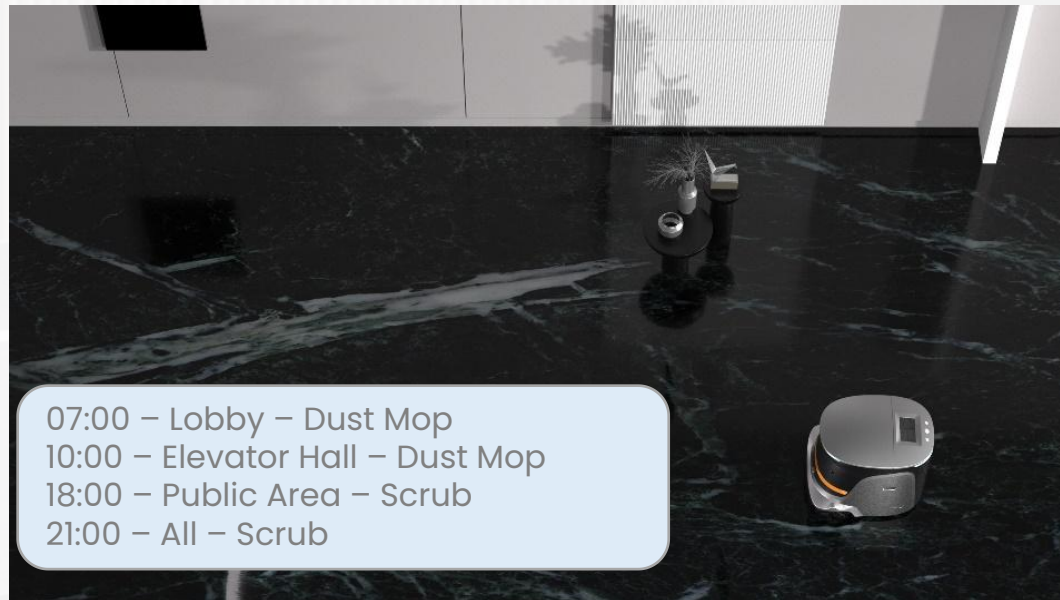


Tests were conducted at the OrionStar Lab.

Multiple Task Modes

Scheduled Tasks

Easily schedule cleaning tasks by assigning different cleaning modes to designated zones throughout the day.



Multiple task modes are available for different scenarios.



Temporary Tasks

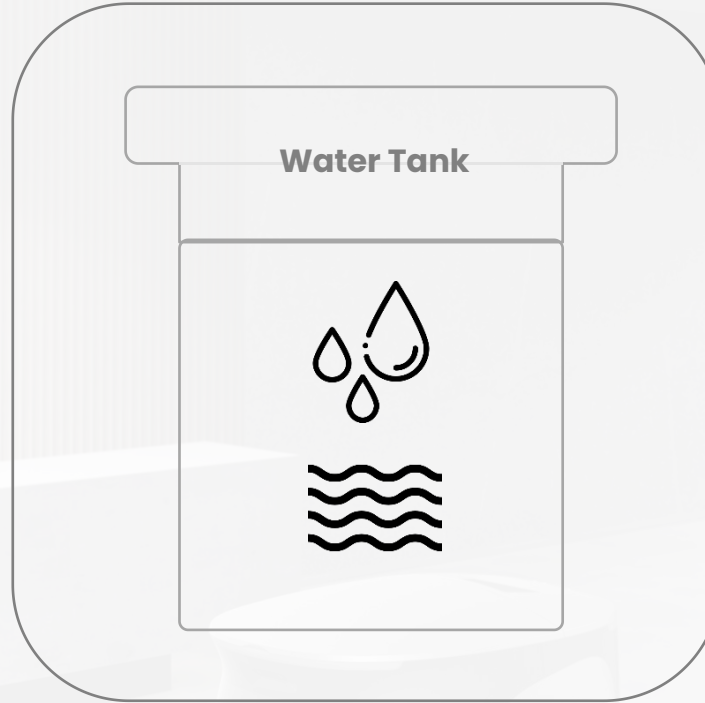
Address temporary cleaning needs by directly assigning cleaning tasks to specific areas for floor cleaning.

Effortless Maintenance



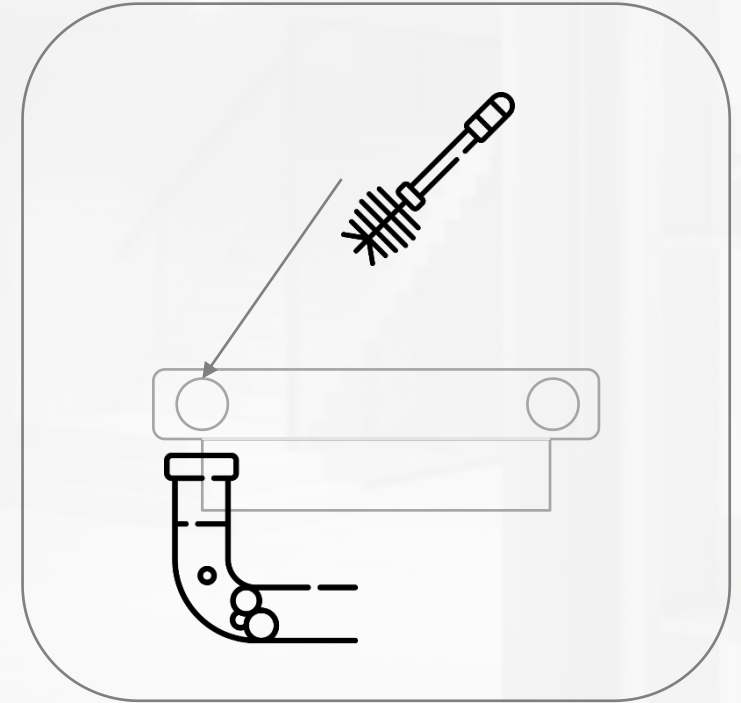
Integrated TPE Die-Casting Module

Minimizes blockages with metal nanoparticle anti-adhesive coating.



Water Handling & Water Filter

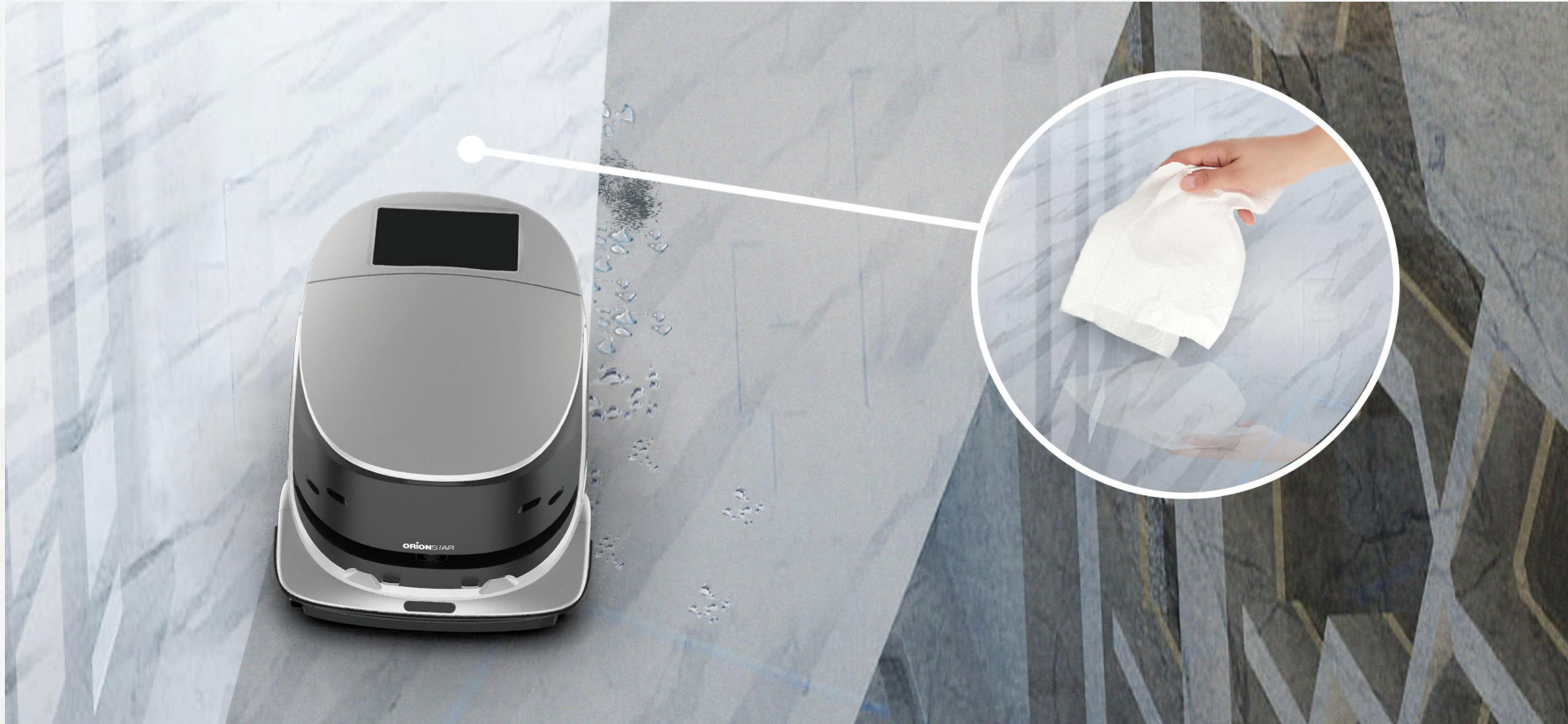
The waste water tank can be removed as a separate part for easy handling of waste water. The clean water tank has **a special filter** for reducing sediment and minimizing blockages.



Easy to Clean

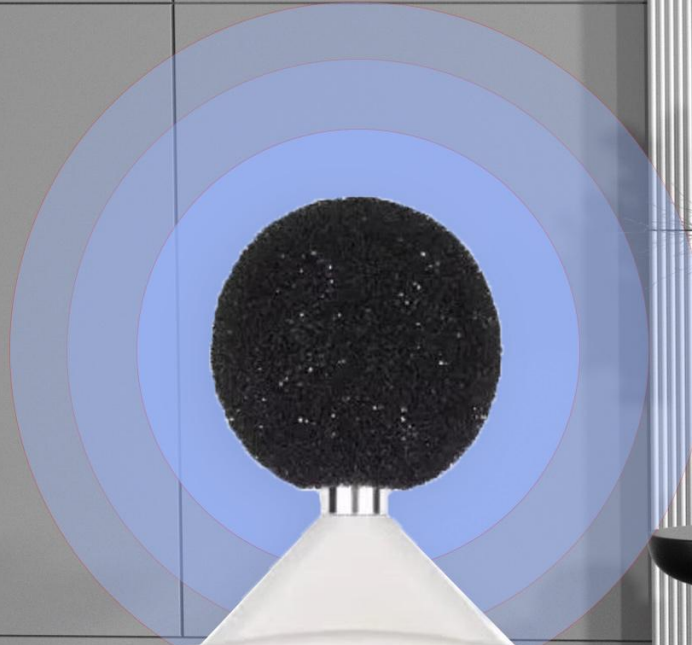
The low-curvature pipe design allows for easy insertion of a brush into the pipe, enabling users to effectively clean and remove any buildup or blockages.

97% Ultra-Efficient Water Recovery



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

Ultra-Quiet Operation



Featuring Japanese ultra silent materials and a self-developed multi-stage noise reduction design, CleaniBot operates at a noise level as low as 55dB@1m even on full-capacity cleaning mode.

The overall machine noise is lower than the industry standard by 20-30dB.

Disinfection

Optional disinfection and sterilization features to ensure a healthy and safe environment.

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Plant-based Disinfectant

This eco-friendly, non-toxic plant-based disinfectant is effective against bacteria and viruses, offering a safer alternative to traditional chemical disinfectants.



Ozone Generator

The ozone generator disinfects clean water before it's delivered to the roller brush, ensuring hygienic floor cleaning. This process helps prevent secondary contamination at the source.



Nano Colloidal Silver

Colloidal silver is an effective antibacterial agent that breaks down bacteria before unpleasant odors form in the wastewater tank.



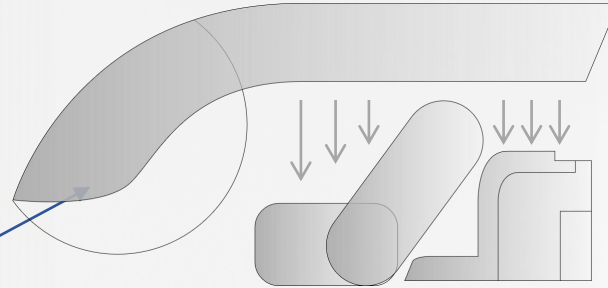
222nm far UVC

Far-UVC light (222 nm) can efficiently and safely inactivate airborne human coronaviruses, without causing harm to exposed human tissues.

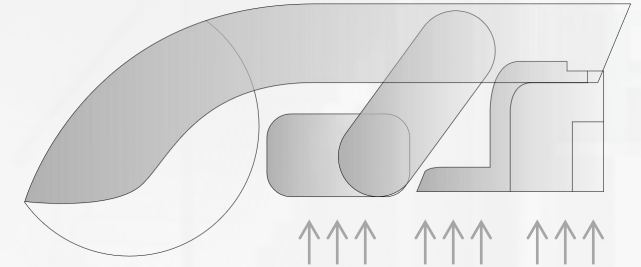
Optional, extra charge applies.

Suspension System

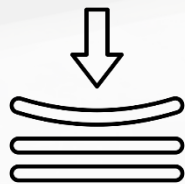
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Cleaning Mode



Standby Mode



Automotive-Grade Casting

Built with an automotive-grade casting process inspired by Tesla's manufacturing standards, the cleaning module delivers outstanding structural integrity and extended service life.

Its adaptive suspension system allows dynamic height adjustment, helping the robot traverse complex floor surfaces while minimizing ground contact and abrasion.

Sensors

The robot is equipped with 15+ different sensors to ensure a 360° safe work environment while producing the best cleaning results.

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Stereo Camera

Garbage detection
Cliffs/steps detection

Ultrasonic Sensors

Smart obstacle avoidance

LiDAR Sensor

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

Line Lasers

5-10cm distance to the wall and corner to maximize cleaning area



Hassle-free Deployment

With the use of a user-friendly tools, mapping and map editing are made simple and stress-free, eliminating the need for extra professional assistance.

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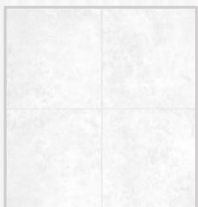
- 1. Build map*
- 2. Set up work zones*
- 3. Go!*

Scrubber Brush Selections

With a cleaning width of 520mm, the robot efficiently covers a larger surface area in each task. Users can optimize cleaning performance by **selecting or customizing the appropriate roller brush** for different flooring types.

Scrubber Brush (Microfiber)

Suitable for all types of hard floor surfaces listed below.



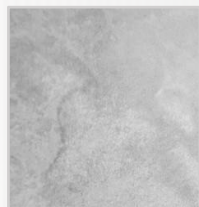
Tiles



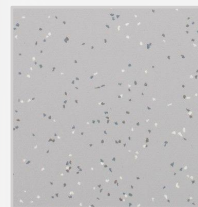
Marble



Granite



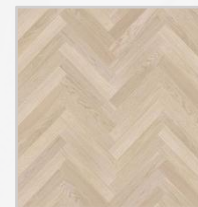
Concrete



Epoxy



Rubber



hardwood



Mixed



PVC

Optional Upgrades

Spiral Nylon Roller Brush

Recommended for cleaning hard surfaces such as ceramic tiles and concrete, and is effective in removing stubborn stains from floors.

Extra Soft & Dense Nylon Roller Brush

Recommended for wooden and natural stone floors, including hardwood, mixed floors, and marble. It helps protect the floors while effectively cleaning them.

Custom Roller Brush

We provide customization service for special flooring types to take better care of your floor.

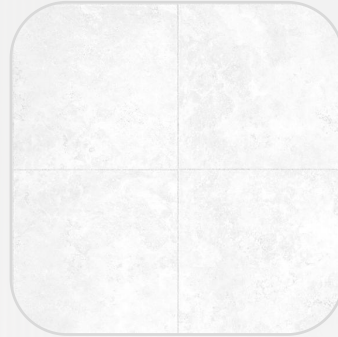
Flooring Types



Rubber



Marble



Tiles



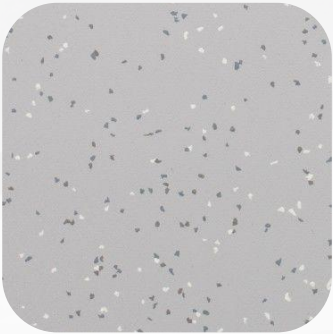
Hardwood



Low Pile Carpet
($\leq 5.5\text{mm}$)



Concrete



Epoxy



Granite



PVC



Mixed

Specifications

| Items | Specifications |
|--------------------------------|---|
| Clear Water Tank Capacity | 22L |
| Waste Water Tank Capacity | 15L |
| Cleaning Efficiency* | Scrub:1197 m ² /h / Power Scrub:1197 m ² /h Sweep&Vacuum:1368 m ² /h / ECO Vacuum:1368 m ² /h Dust Mop:1368 m ² /h / Sweep,Vacuum&Mop:1368 m ² /h |
| Cleaning Path | Zigzag |
| Gradeability | Maximum uphill angle: 6° |
| Min. Passable Width* | 700mm |
| Braking Distance at Full Speed | 30mm |
| Charging Cycle | <4h |
| Battery Life* | Scrub:4.5h / Power Scrub:3.5h Sweep&Vacuum:4.5h / Sweep,Vacuum&Mop:4.5h ECO Vacuum:19.5h / Dust Mop:28h |
| Cleaning Modes | Scrub / Dust-Mop / Sweep&Mop Sweep&Vacuum/ Sweep,Vacuum&Mop |
| Noise Control* | Scrub:55dB / Dust Mop:42dB |
| Screen Size | 10.1 inch |
| Weight | 70KG |
| Size (length*width*height) | 650mm*580mm*550mm |

Applications

ORIONSTAR



Office
Buildings



Hotels



Schools



Hospitals



Shopping
Malls



Exhibition
Halls



Values



**Reduce Cost
and Improve
Efficiency**



**Complete
Cleanliness**



**Easy
Maintenance**



Brand Image



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OrionStar Robotics