

A decorative graphic consisting of multiple thin, parallel, wavy lines in a light beige or gold color, flowing across the middle of the page.

# Reeman Robotics

Realizing the commercial success of robots in various field worldwide

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Food Delivery  
Robot

The background features a light beige gradient with decorative elements. A solid lime green horizontal line is at the top. The lower half is dominated by a series of thin, wavy, golden-brown lines that create a sense of motion and depth. Scattered throughout are small, faint golden-brown dots.



# Food delivery robot series

Reeman to be the No.1 robot platform in global market

## Food delivery robot

Restaurants, cafeterias, hotels, hospitals, airports.



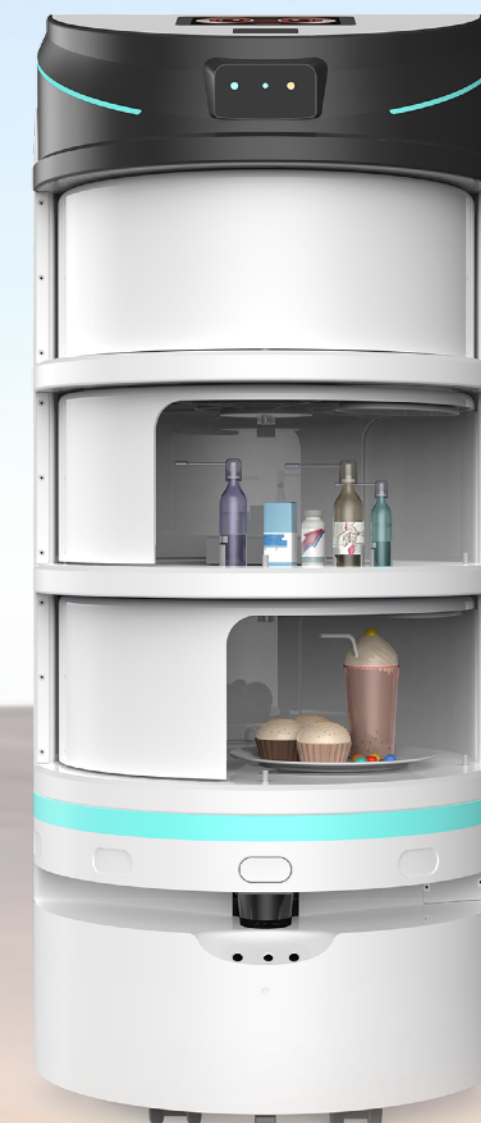
Panda



Deligo



Flash



White



Postman



Light Wonder



# Panda Food delivery Robot

REEMAN  
AI IN ACTION



## Product features

### 1. Autonomous scheduling system

The industry's original independent scheduling system, multi-machine cooperation, orderly operation

### 2. No need to paste code

Robot navigation and deployment, no need to paste codes on the ceiling, and will not affect the beauty of the store

### 3. Autonomous obstacle avoidance

3D camera + lidar Intelligent recognition of the surrounding environment

### 4. Autonomous call/door control

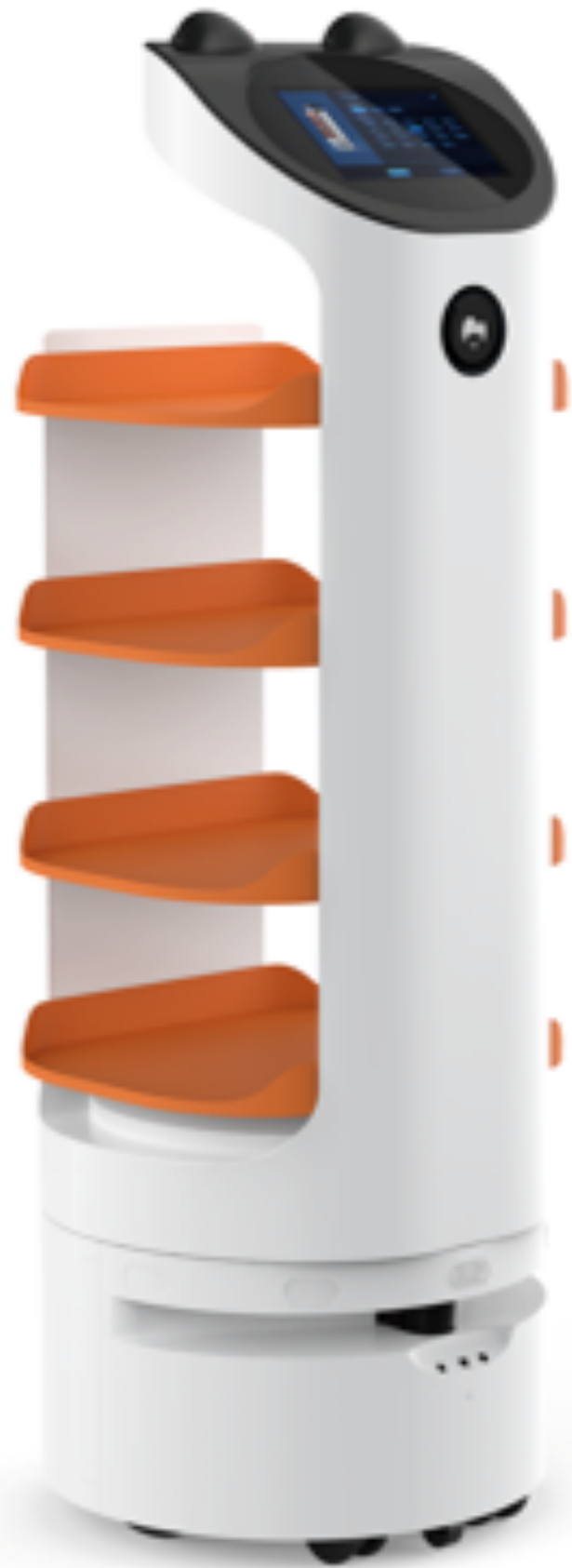
It can be equipped with elevator control, access control modules, automatic elevators and control passage fire doors

### 5. Free passage of narrow lanes

Narrow aisle, free movement, 70cm narrow aisle to walk freely, driving without setback

### 6. Automatic return to charging

15 hours long battery life, automatic recharging at low power, no manual operation required



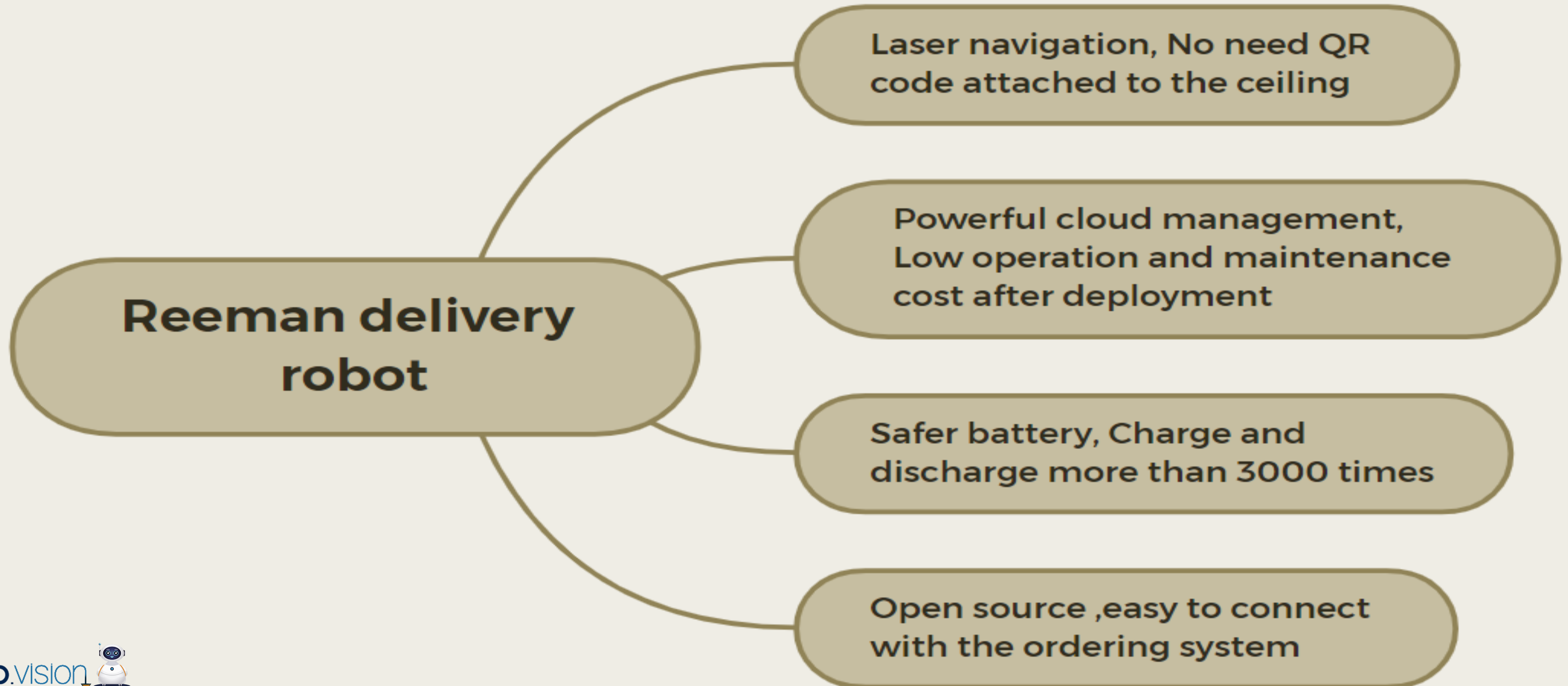






# Food delivery robot solutions

Reeman to be the No.1 robot platform in global market





# Product features

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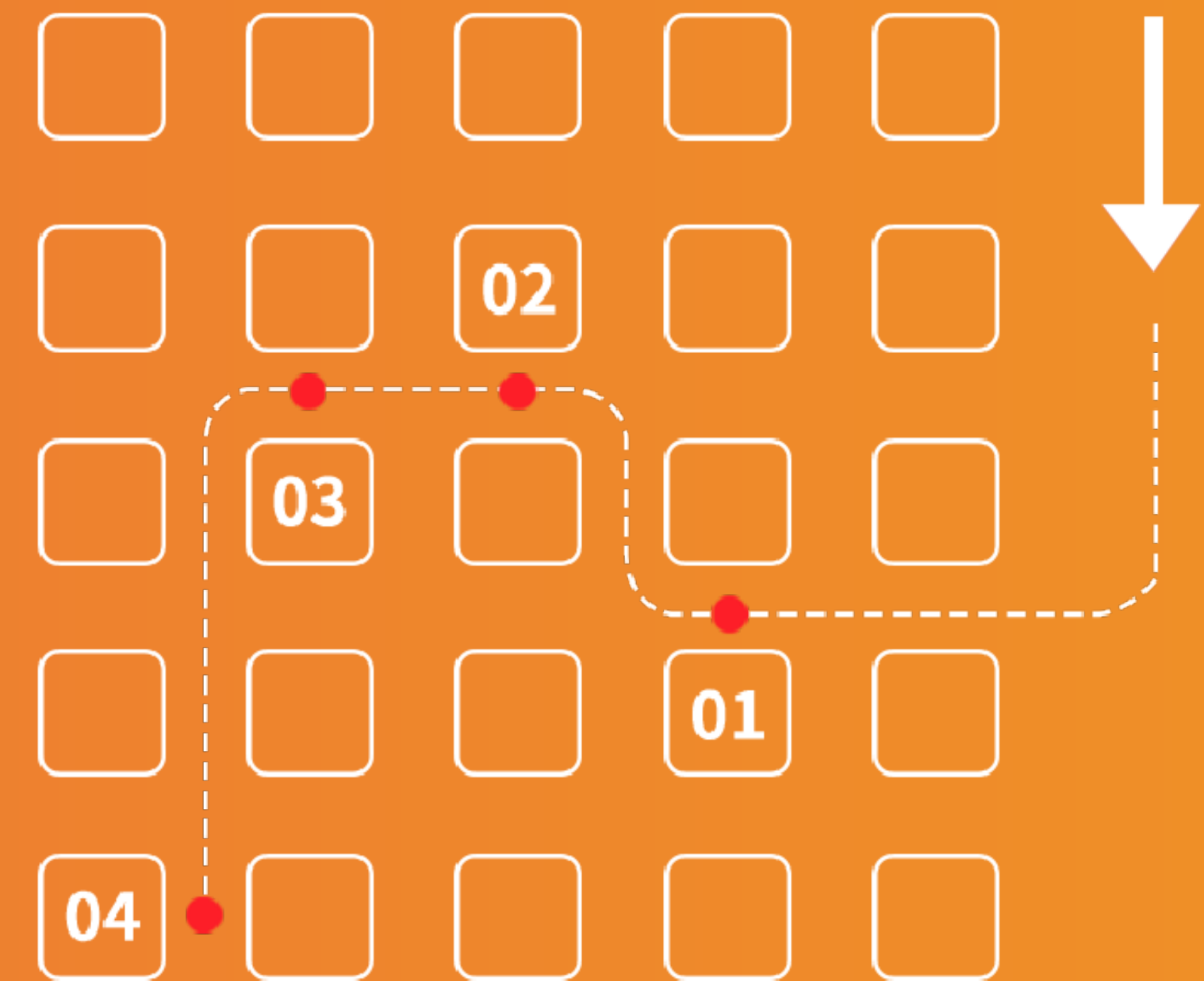
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# Choose your own route



Automatically plan the optimal driving route, efficiently deliver automatic avoidance of pedestrians or obstacles, and run stably



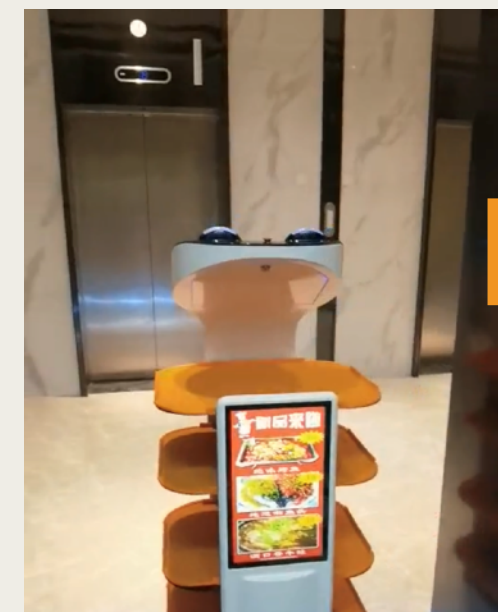


# Cross-floor delivery tasks

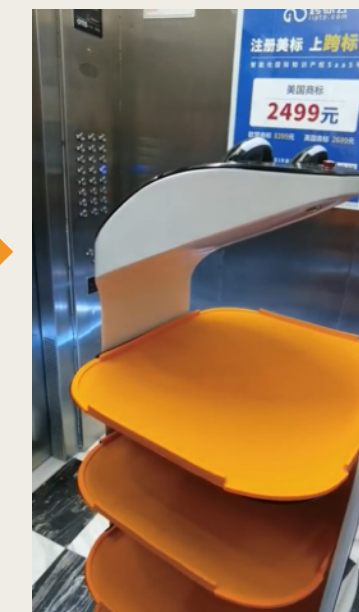
Take the elevator autonomously, control the access control, automatically switch the map, indoor autonomous navigation, cross-floor delivery



Select delivery destination



call the elevator autonomously



Control which floor to go to



After reaching the target floor, Automatically switch maps and start delivery



After the meal delivery is over, it will automatically return to the delivery point and wait for the next delivery task

Do the delivery task again



# 15.6-inch high-definition advertising screen

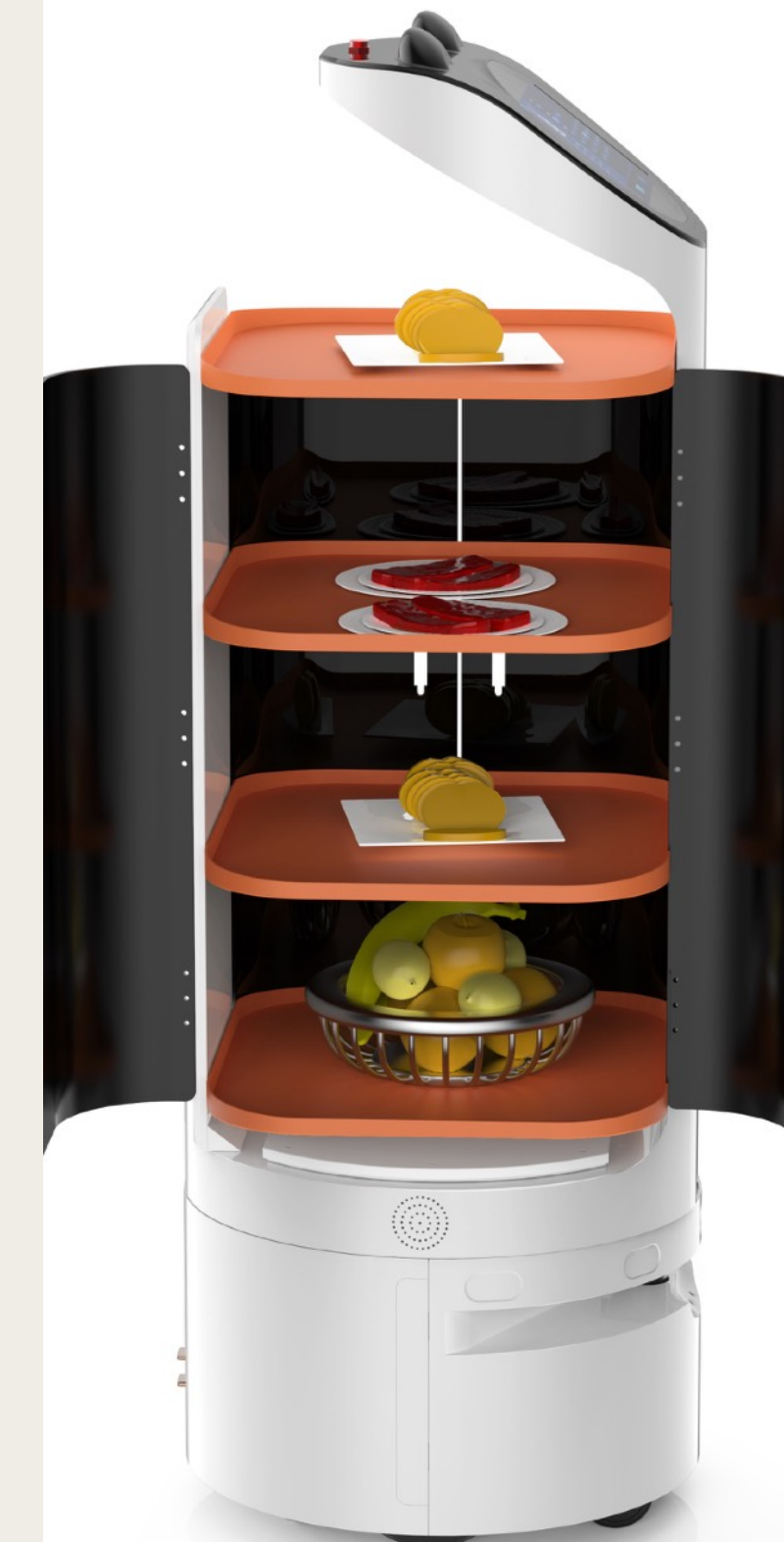
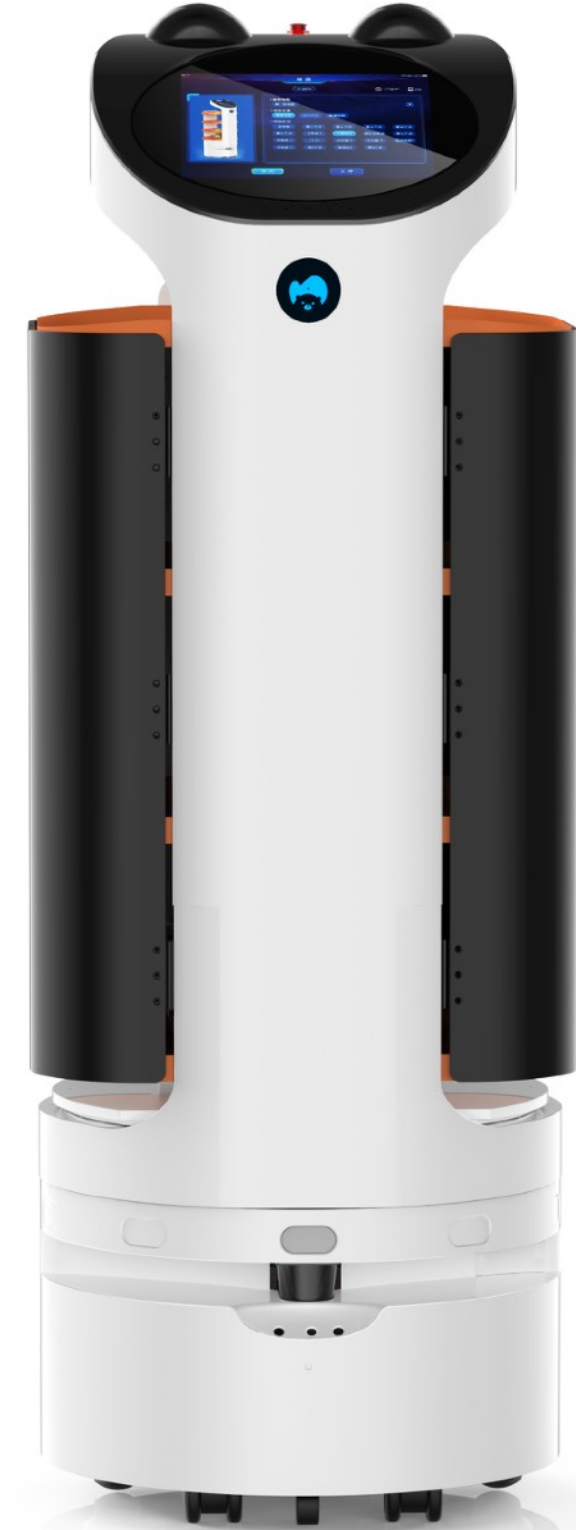
It can play promotional materials such as pictures and videos, customize the content of the voice broadcast, customize the marketing plan, and create an exclusive special restaurant





# Food delivery robot-vegetable cover version

Closed distribution, electronic key to open the door, safe, hygienic, heat preservation, avoid the risk of cross infection





# 四种送餐模式

## 1. Meal delivery mode

Efficient food delivery,  
self-avoidance,  
Precise arrival



## 2. Cruise mode

automatic cruise  
Autoplay ad information



## 3. Return mode

Automatic cruise,  
recycling dishes  
on the table



## 4. Birthday Mode

Play birthday wishes  
songs for VIP customers  
who come to dine





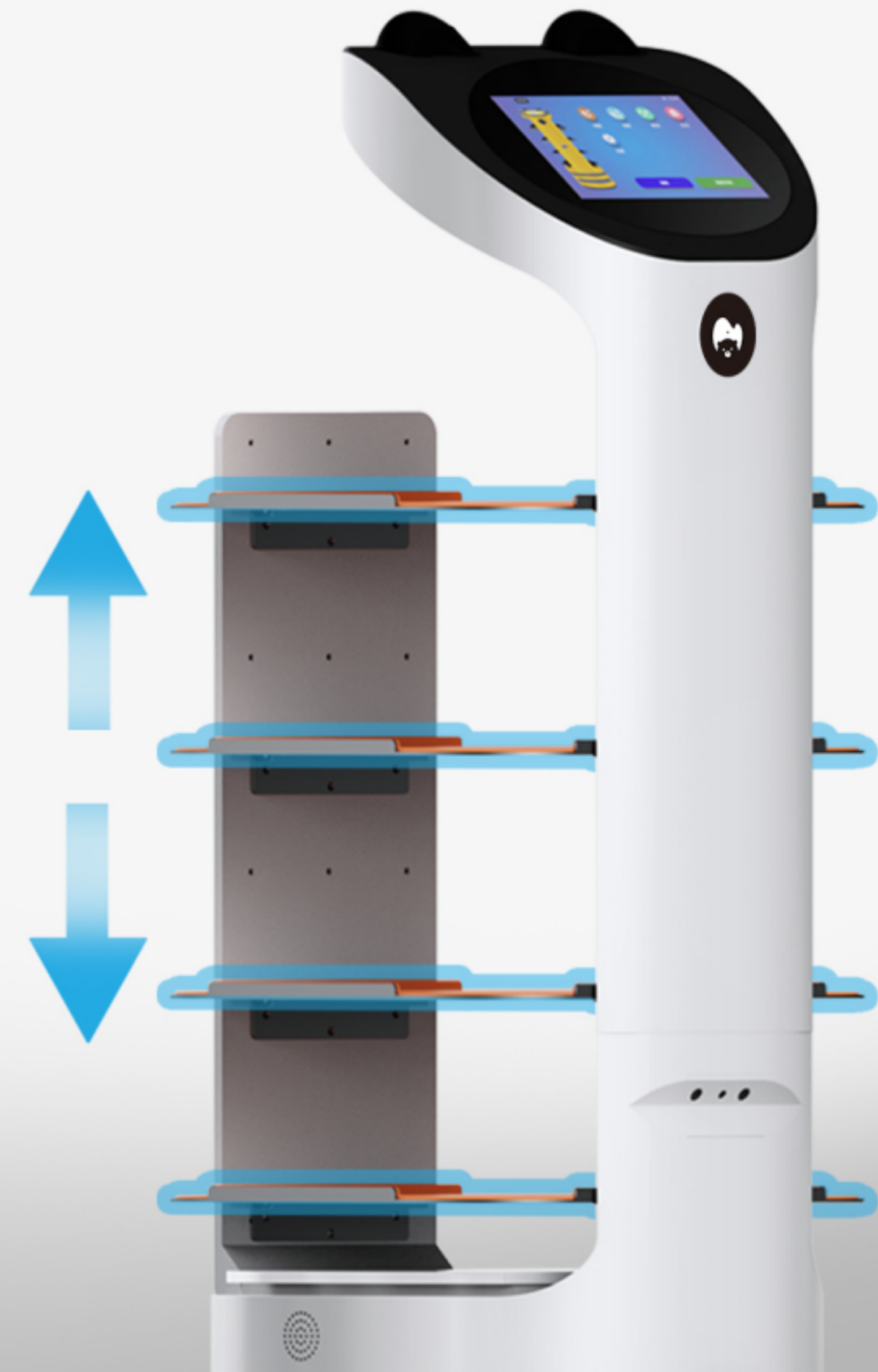
# Super heavy load, super performance



Single layer bearing

20KG (4 floors in total)

The tray is removable to meet different heights the delivery requirements of the items



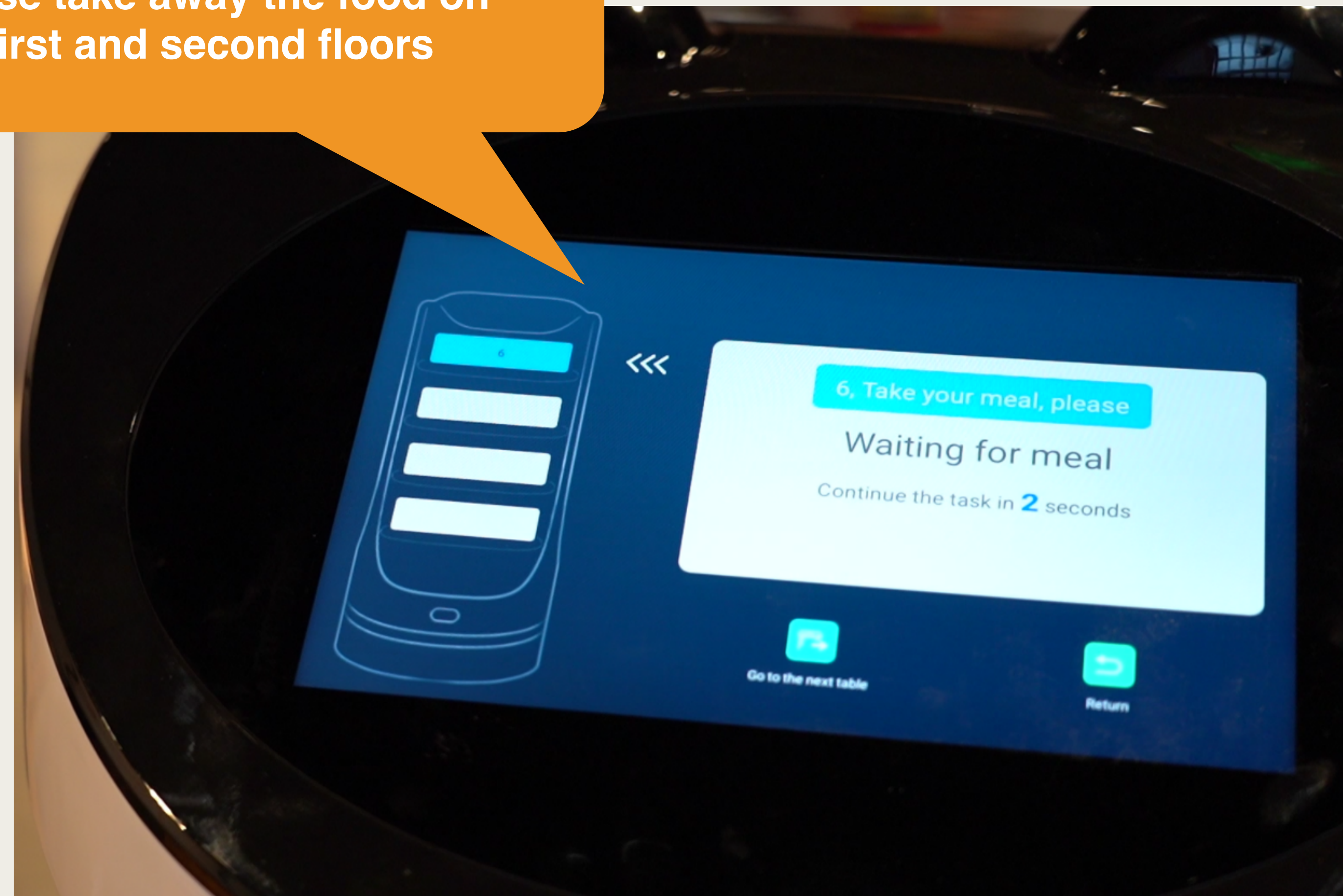


# Intelligent voice broadcast

Your food has been delivered,  
Please take away the food on  
the first and second floors

1. After arriving at the delivery location,  
Automatically broadcast the number of  
layers for taking meals;

2. After the meal is taken, the timeout  
will be automatically return to the  
spawn point.





# Autonomous scheduling system

**Multi-machine cooperation,  
orderly operation,  
Avoid blocking the "machine"**

The built-in scheduling system, multi-machine collaboration, automatically completes the unified scheduling of food delivery robots, which is more flexible and efficient!





# Pain Points in the Catering Industry



## High labor cost

The high cost of employment and the "aging" of service personnel go hand in hand, making it difficult to recruit, retain, and cost.



## Emotionally sluggish

The emotions of employees are affected by many factors such as salary, job nature, personal growth and development



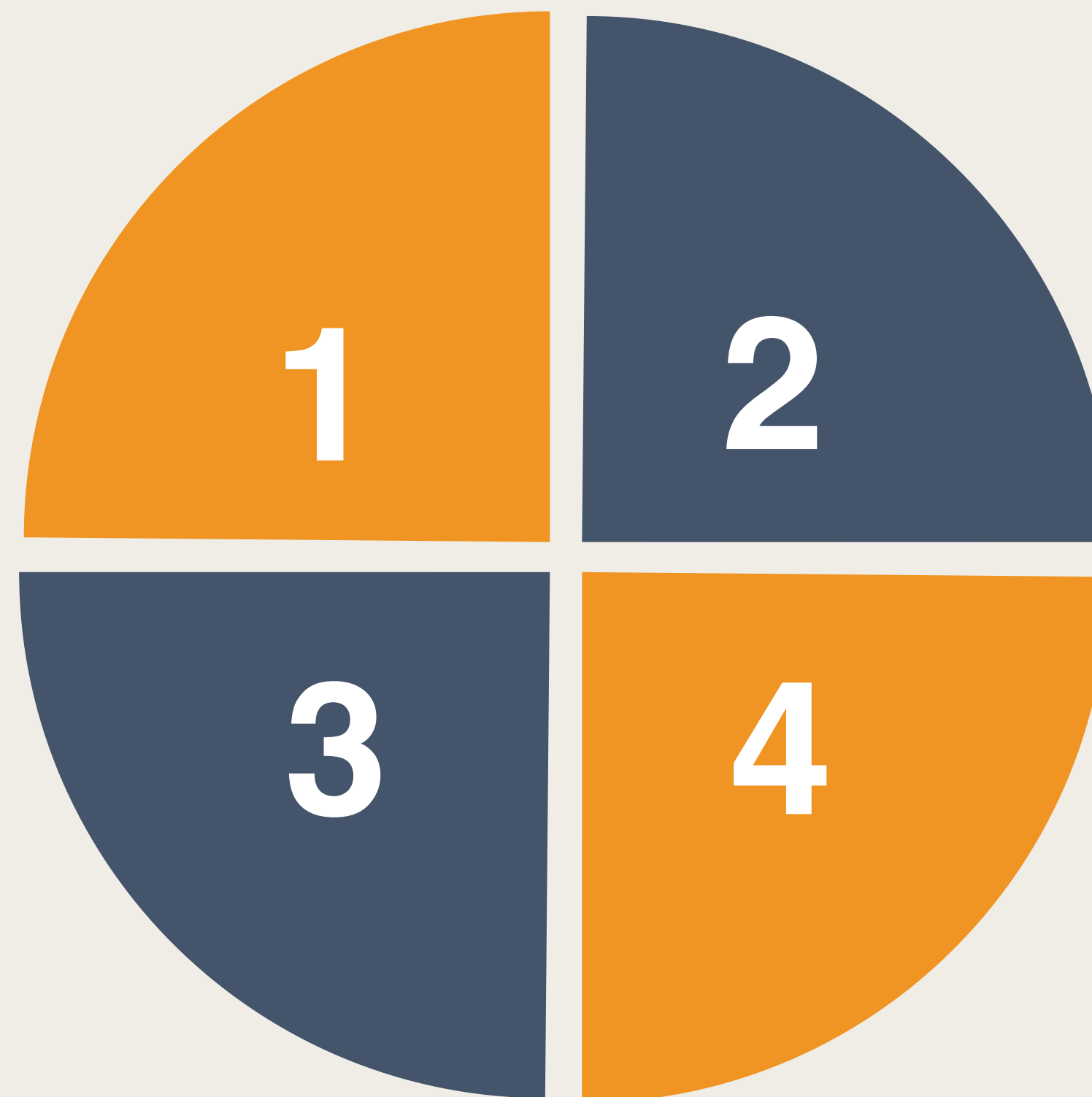
## Inefficient food delivery

During the peak passenger flow period, the staffing is insufficient, resulting in low efficiency of food delivery by service personnel



## Lack of restaurant character

The catering industry is seriously homogenized, lack of innovation in dishes, and fierce competition among catering companies





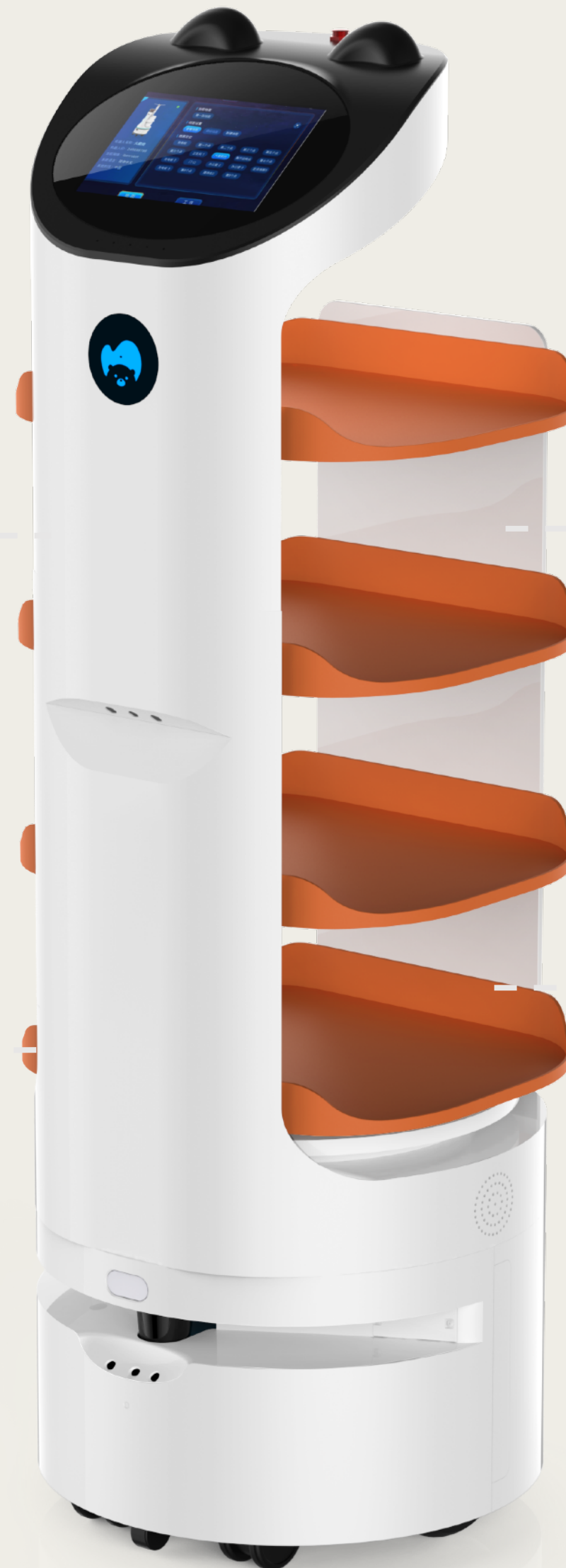
# Redefine food delivery

## Cost reduction and efficiency increase

Effectively reduce the operating cost of restaurant enterprises, improve service quality and increase efficiency

## Improve meal delivery efficiency

Multiple tables of meals can be delivered at one time, and the delivery efficiency is higher



## Safe, convenient and efficient

3D camera intelligent obstacle avoidance, 70cm narrow road, unimpeded, more stable operation

## Upgrade marketing efforts

Rear 15.6-inch large advertising screen, custom marketing content, personalized marketing



# Food delivery & marketing



## Non-stop meal delivery lower cost than human

Four-layer super-large pallets can deliver up to 4 tables at a time, and 600 pallets can be delivered per day. The delivery efficiency is 2-3 times that of manual labor. 7\*24 hours are open all year round. The store is a tool for reducing costs and increasing efficiency.



## Pick up customers in your spare time cute and eye-catching

Through advertising, displaying the store's special meals or promotional information, continuously attracting traffic to the store and making the store stand out



## Promotion is not lazy Increase turnover

It has a variety of delivery modes such as meal delivery, order return, cruise, birthday, etc., according to the designated route to play cruise advertisements, 15 hours of long battery life, automatic return to charge, not lazy



## Simple to use, Stable and maintenance free

The installation and deployment are simple and convenient, the operation is easy to use, and the training can be completed and put into use within 10 minutes. The whole machine has been tested and verified for thousands of hours, and the quality is reliable. 7\*24h for your dedicated service



# Deligo Food delivery Robot



Multi-layer  
shelves



ACCURATELY  
BUILD A MAP



STRONG  
POWER



PLANNING  
THE PATH



OBSTACLE  
AVOIDANCE



AUTOMATIC  
CHARGING



CONVENIENT  
OPERATION



CLOUD  
DEBUGGING



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# Cleaning robots

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# Commercial Cleaning Series

Reeman to be the No.1 robot platform in global market

## Mopping Robot

Restaurant, hotel, hospital, bank, government hall, business office, airport, station, community



SS15



SS08



# Automatic cleaning robot



## Intelligent planning

Use optimized algorithms to achieve clean and full coverage



## Appointment timing

Scheduled appointment, automatic cleaning saves time and effort



## Remote monitoring

Real-time monitoring of equipment operating status, abnormal data alarm



## Multitask cleaning

Support multi-task cross-area cleaning and cleaning, more intelligent



## Autonomous obstacle avoidance

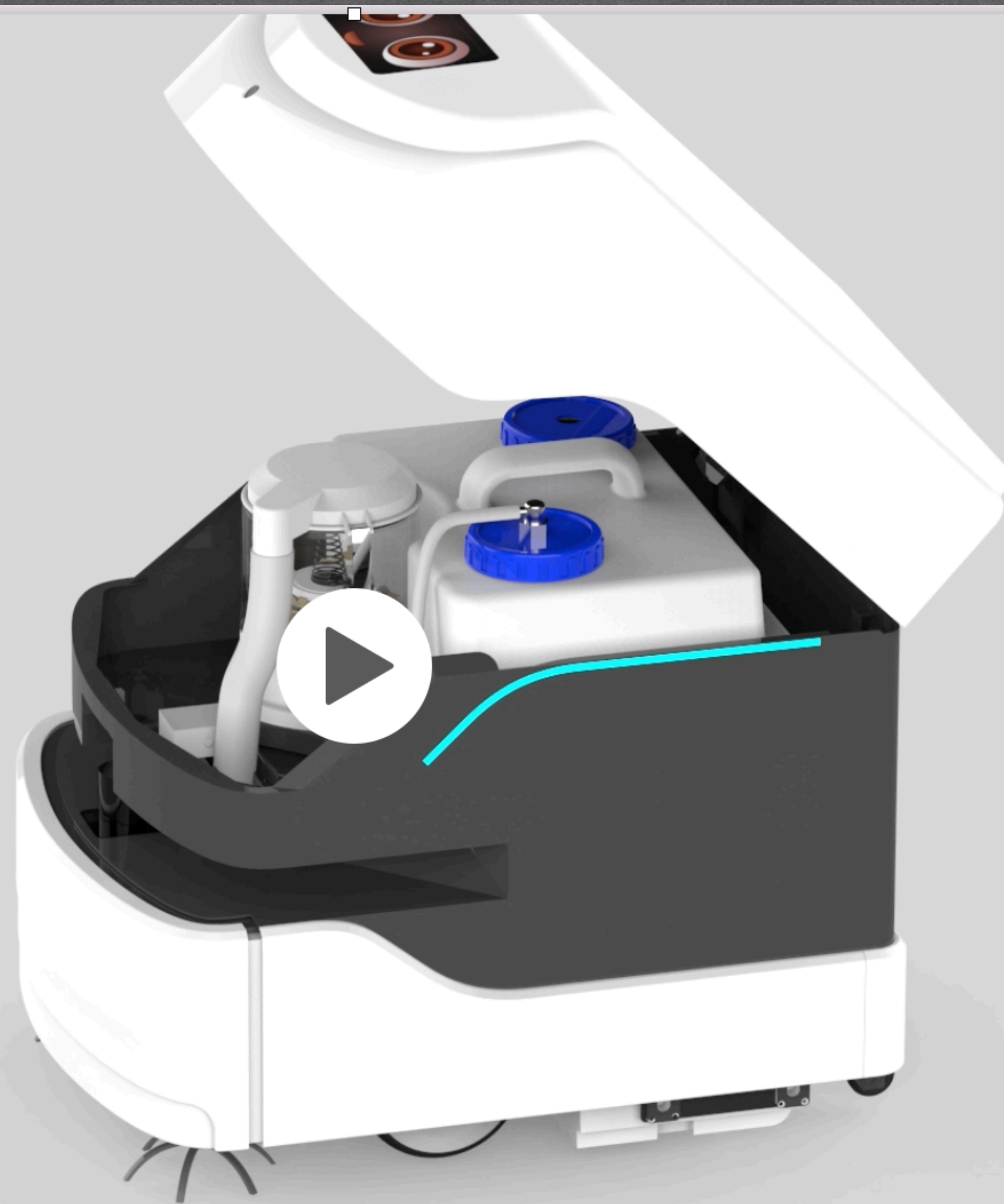
Automatically avoid obstacles, Stable and safe driving



## Automatic charging

Automatic return to charge, maintenance-free









supermarket



restaurant



dust-free workshop



parking lot



furniture Mall



Chain store



shopping mall



office building



Exhibition hall



Commercial Complex



Corporate Office

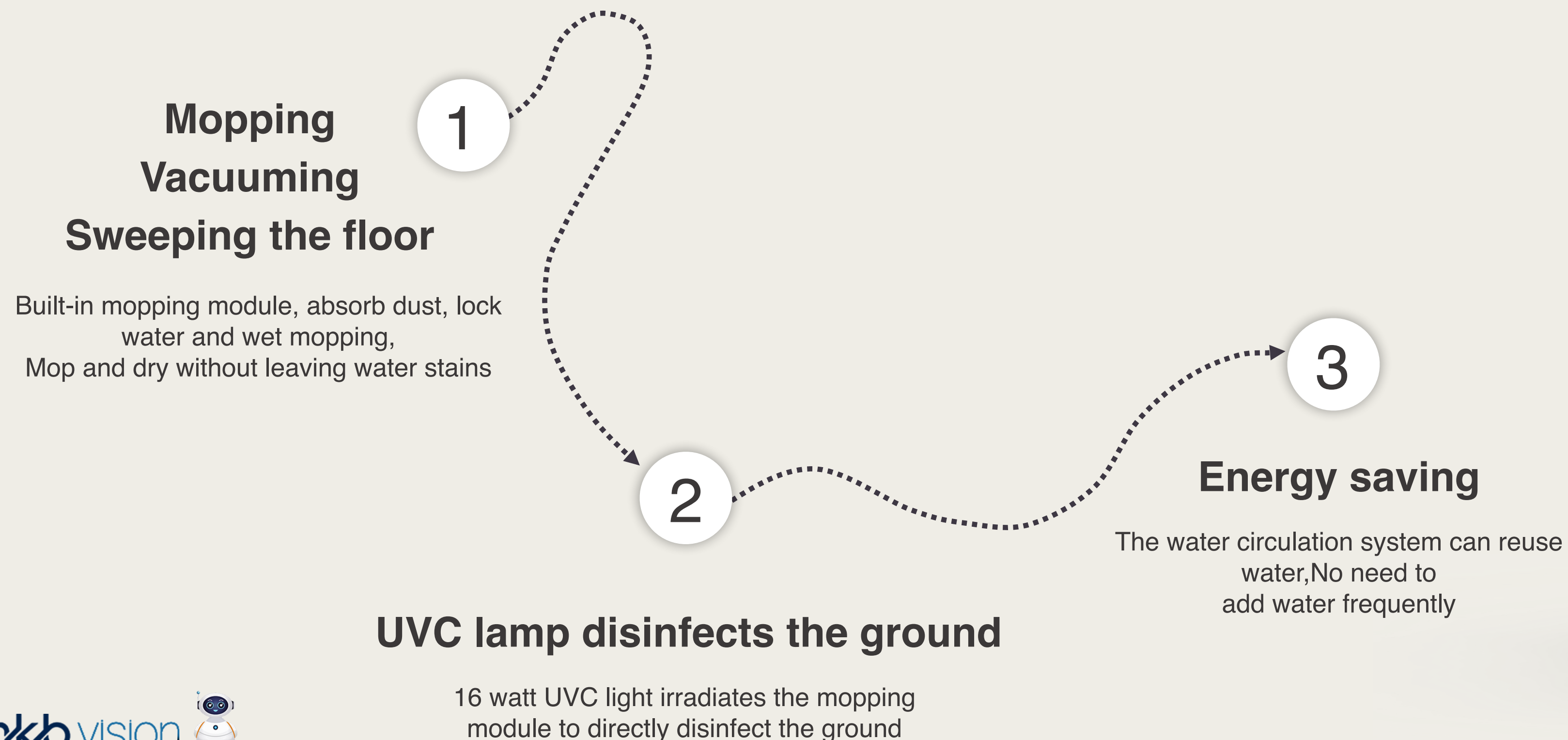


hotel lobby



# 1.1 Product description

Snail sweeper cleaning robot automatically perform mopping tasks through unmanned driving technology, relying on mature SLAM robot autonomous positioning and navigation technology, lidar + 3D camera + ultrasonic + optocoupler anti-collision design, etc., precise navigation and positioning, providing smarter and more environmentally friendly The cleaning service supports the setting of timed cleaning tasks, replacing labor with robots, improving cleaning efficiency and quality. The large laser area of 40,000 square meters can easily handle various complex large scenes. It has obvious advantages such as simple operation, comfortable use, high efficiency and fast speed. , Becoming the new favorite of large-scale commercial establishments, hospitals, hotels, high-speed railway stations and other fields.





# 1.2 Product Features

## Timed tasks

Set cleaning time and location  
in advance  
Automate cleaning tasks

## 40,000 m<sup>2</sup> super large laser mapping

Laser SLAM mapping technology, Optimized  
navigation algorithm,  
Can be used in large scenes

## Automatic return to charging

If the battery is below the minimum value, it  
will automatically return  
to the charging station for charging



## Water disinfection filtration system

Automatic filtration and disinfection, energy  
saving, environmental protection, time saving  
and high efficiency

## Remote navigation deployment

Build navigation maps remotely, saving time  
and efficiency, convenient and fast

## Autonomous obstacle avoidance

Multi-sensor collision avoidance and  
obstacle avoidance system (3D camera,  
laser, optocoupler anti-collision system)



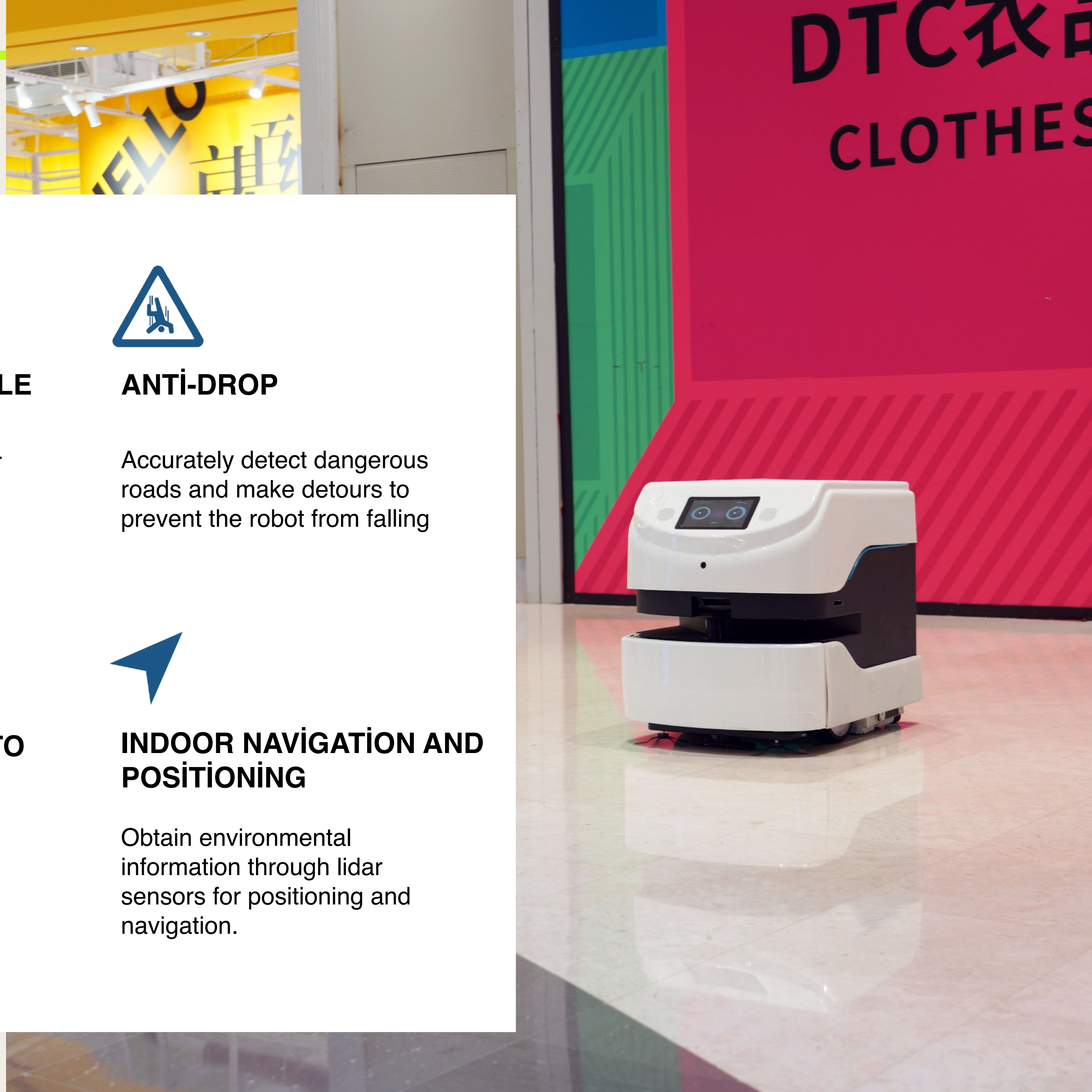
# 1.3 Product features



- The bow shape is clean along the wall, no repetition, full coverage
- Original cloud service management platform, remote navigation deployment, time-saving and efficient
- Support multi-task cross-area cleaning, (same map, same floor)
- Unique water disinfection filtration system, automatic filtration, saving water resources
- Timed appointment function, automatic cleaning, no time limit
- Laser SLAM high-precision navigation and positioning
- Lidar + 3D camera + optocoupler anti-collision design, safer operation
- Cleaning speed 0.1~0.5m/s (speed adjustable)
- Convenient pull-out mopping module design simplifies work and is convenient for cleaning and maintenance
- 40,000 m<sup>2</sup> of super large laser mapping to meet the use of large scenes
- 25Ah/38.4V lithium iron phosphate battery, 9 hours of long-lasting battery life
- Low battery will automatically return to charging, no one will operate
- Intelligent reminder function for equipment maintenance, failure, and replacement of consumables



# 1.4 Working principle



## “弓”WALKING PATH

Use optimized algorithms to achieve clean and full coverage



## INTELLIGENT OBSTACLE AVOIDANCE

3D camera, lidar, optocoupler anti-collision system, multiple anti-collision design, stable and safe operation



## ANTI-DROP

Accurately detect dangerous roads and make detours to prevent the robot from falling



## REMOTE INTELLIGENT CONTROL

Unique cloud service platform, remote assistance to build navigation maps, remote viewing of machine operating data



## AUTOMATIC RETURN TO CHARGING

Low battery automatically returns to the charging pile for charging without human intervention

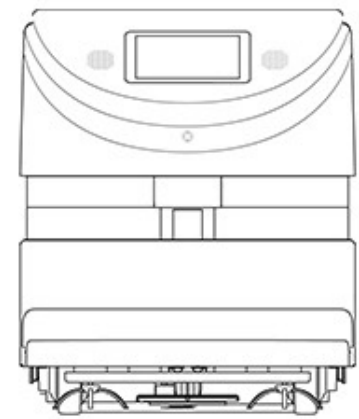


## INDOOR NAVIGATION AND POSITIONING

Obtain environmental information through lidar sensors for positioning and navigation.

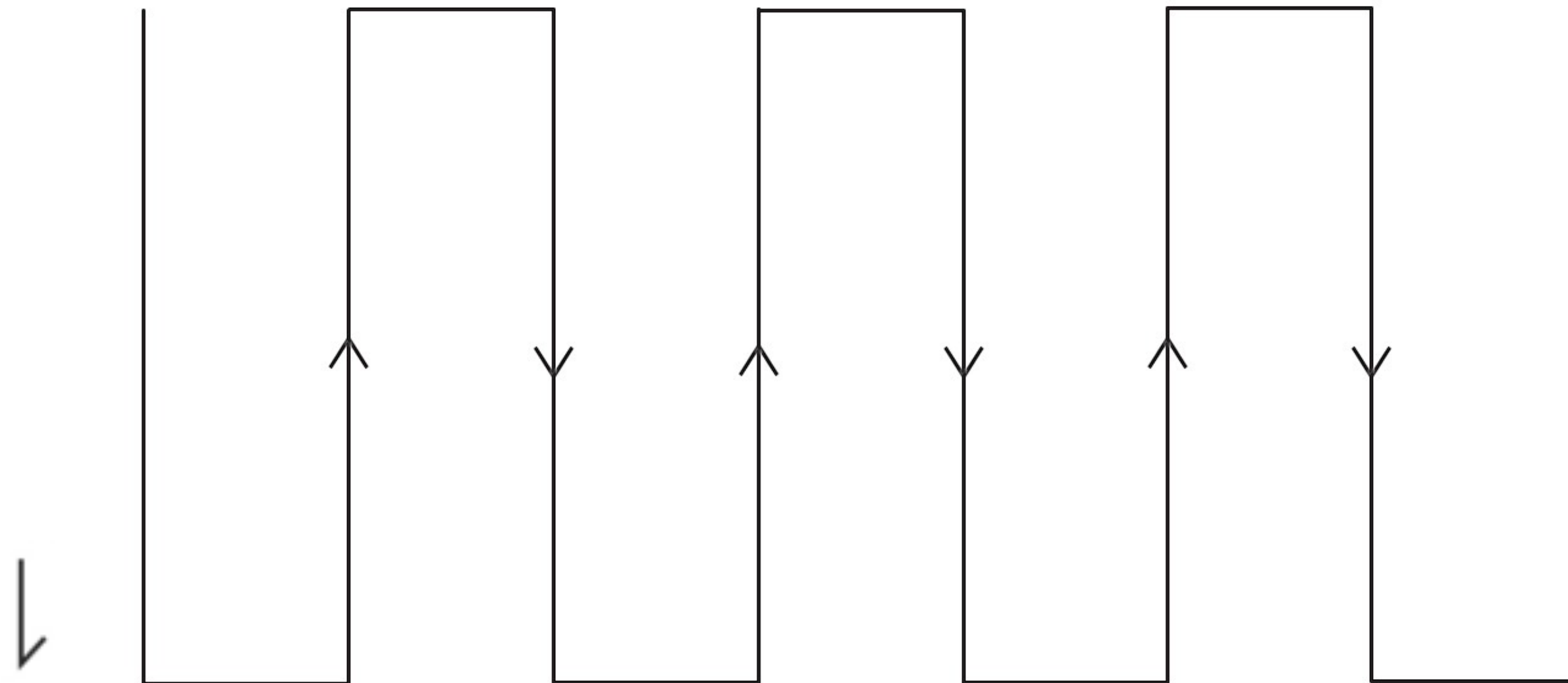


# 1.5 Principle of cleaning



## “弓”WALKING PATH

Mopping roller width: 386mm speed 0.1~0.5m/s



Running direction

The three-in-one design of mopping, vacuuming, and sweeping, independently planning the cleaning path, mopping along the wall in a bow shape, has a more complete coverage, and solves the cleaning problems of ground water stains, stains, dust, and paper scraps.

The 386mm wide absorbent sponge roller is made of a special polymer absorbent material, which will not damage the ground when mopping the floor, and it will dry when mopping, meeting the requirements of floor cleaning in many industries.

The built-in 16-watt UVC ultraviolet lamp can disinfect the mopping module and the ground, making it more hygienic for aseptic mopping. (Open the lid and automatically turn off the lights to avoid injury)

Working principle: The roller brush effectively rolls up the ground garbage (such as paper scraps, melon seed shells) through physical transmission, and automatically sucks into the vacuum box inside the robot. It has a built-in water circulation filter system. The water-absorbing sponge roller moppes the ground. The robot background is real-time. Display data such as positioning, power and mileage.



# 2.5 Convenient maintenance method

## Intelligent reminder

After the robot runs for a period of time, it will automatically remind to clean up the robot's rollers, sewage tank, and dust box



## Remote intelligent control

The cloud service platform is deployed remotely, and the map is constructed by entering the IP address of the robot to view the operating data

## Ground-friendly mopping

Using special polymer materials, mopping and vacuuming will not damage the ground



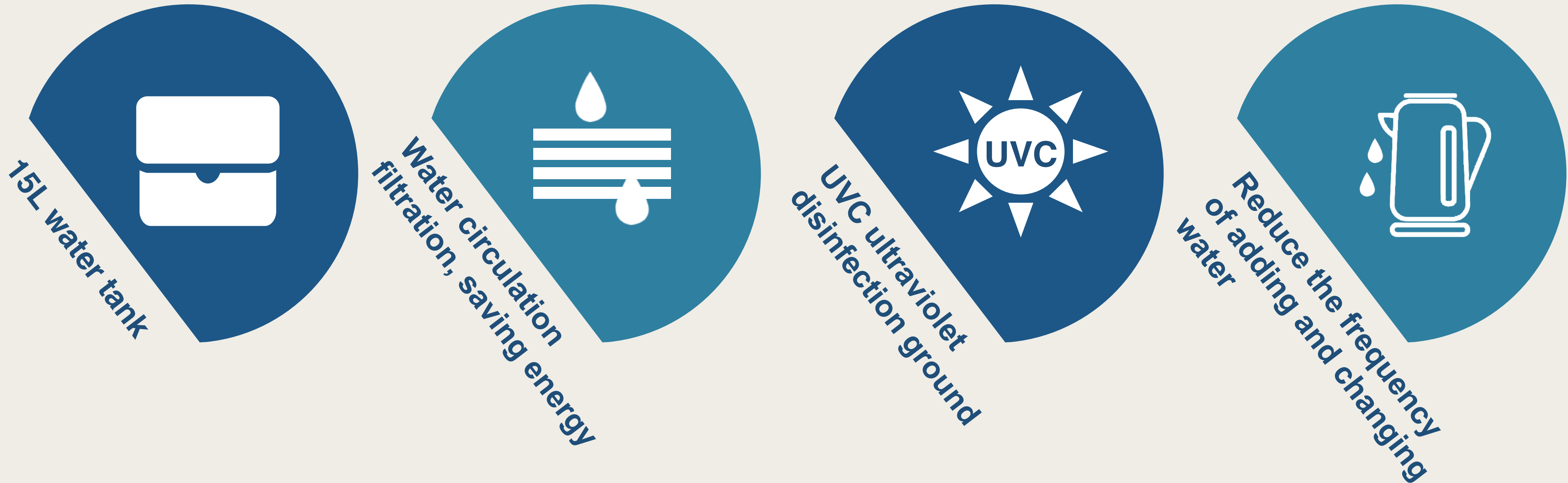
## 40,000m<sup>2</sup> large area navigation map

Supports 40,000-square-meter large scene mapping to meet the needs of a variety of complex scenes





# 2.1 Water circulation filtration, UVC ultraviolet + ground disinfection



Snail sweeper cleaning robot adopts a large 15L water tank, an original water circulation automatic filtration system, purifies sewage, reduces the frequency of water exchange, and saves water resources. The floor disinfection with 16-watt ultraviolet lamp tube, mopping and floor disinfection are carried out at the same time. Supports 40,000 square meters of large-area map construction, meeting the cleaning needs of various occasions, and can replace manual ground cleaning tasks in high-risk environments.



# 2.4 Convenient maintenance method

## Pull-out type mopping module design

- 1. Open the lid and automatically turn off the UV lamp, and the recovery tank can be quickly taken out
- 2. Quick disassembly and assembly of the dust box structure makes garbage disposal easier
- 3. Pull-out mopping module design makes maintenance and cleaning easier





# Snail cleaner robot



Bow-shaped walking route



APP intelligence control



Anti-drop sensor



Autonomous navigation



Autonomous obstacle avoidance



Return to charging





Snail  
cleaner  
robot

Clean  
**Revolutionaries**

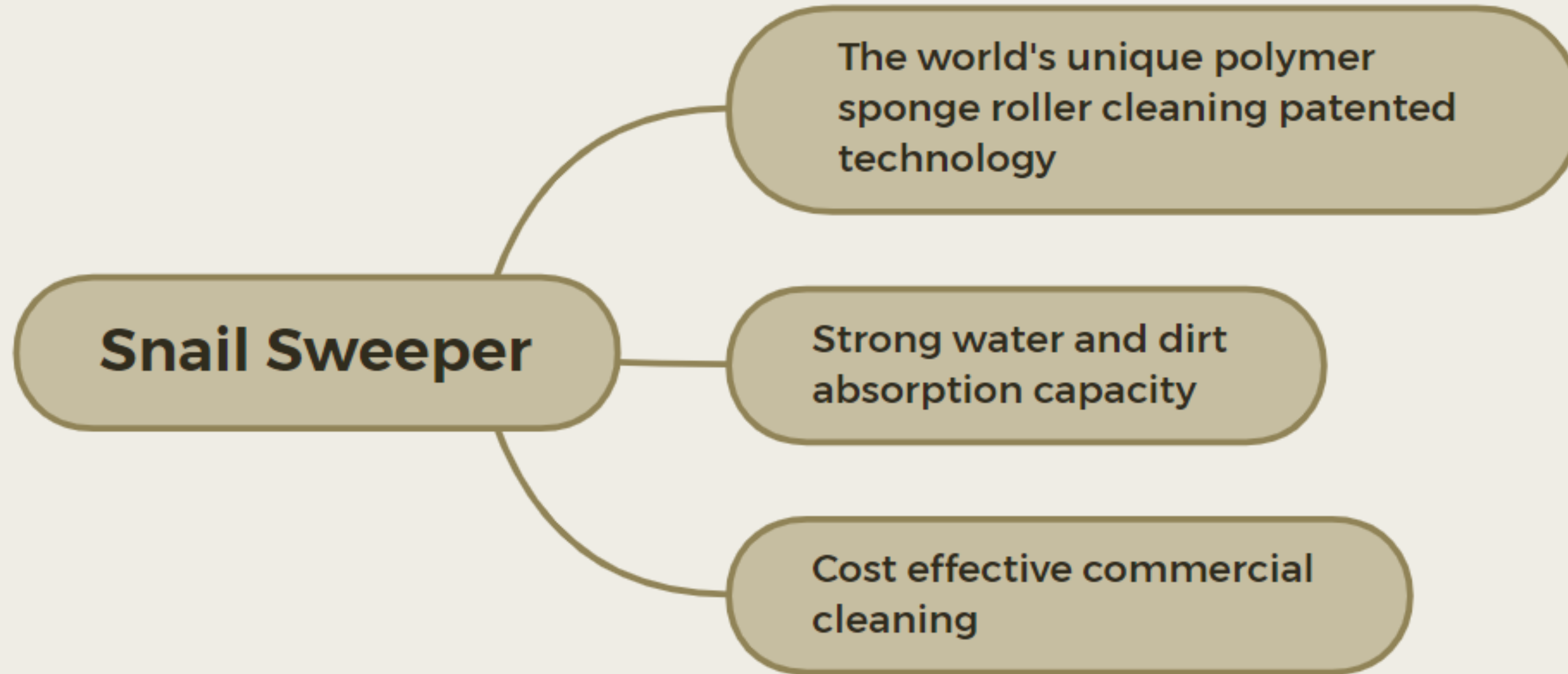






# Commercial Cleaning Solutions

Reeman to be the No.1 robot platform in global market





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# Disinfection Product Line



# Disinfection Products Series

Reeman to be the No.1 robot platform in global market

## Disinfection Robot

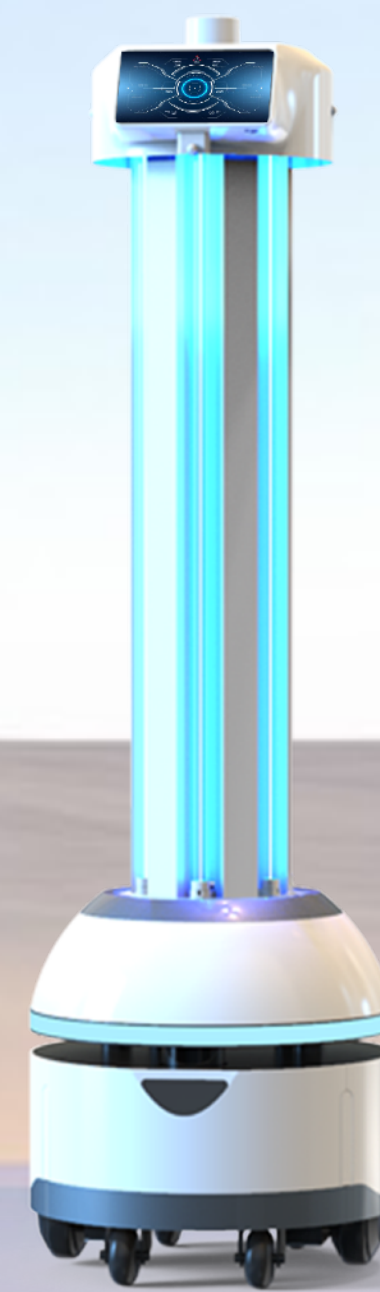
Restaurant, hotel, KTV, hospital, bank, government hall, business office, airport, station, community



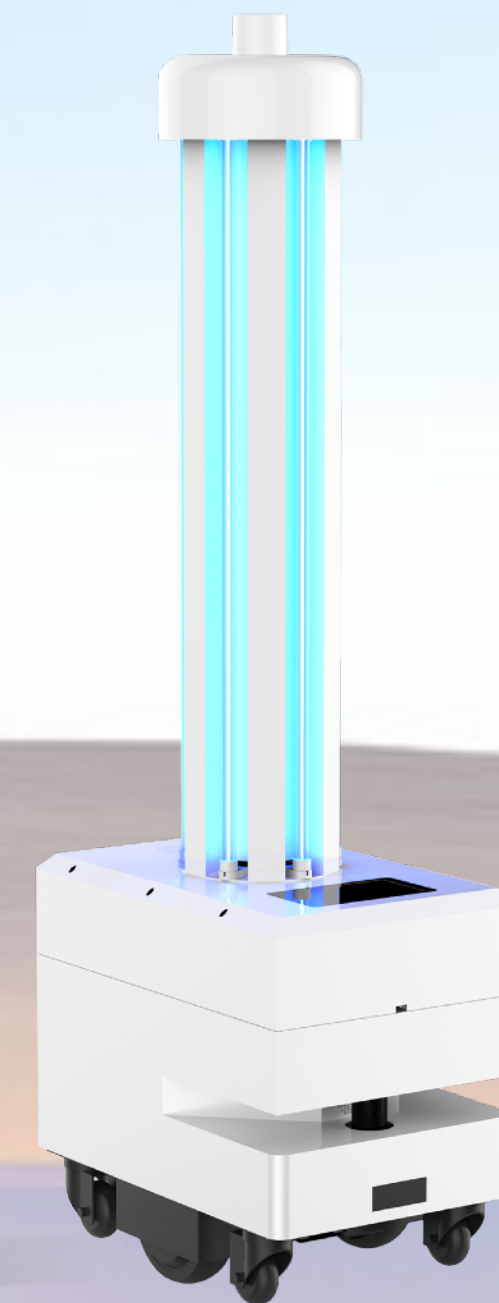
Guardian



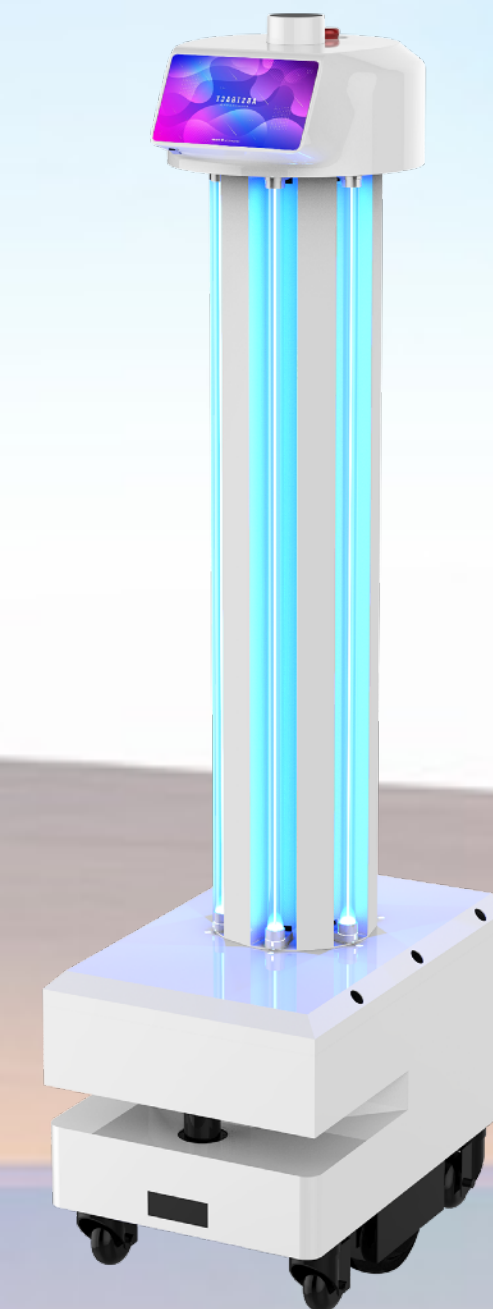
Nebulization



Spark



Sword2



Sword3



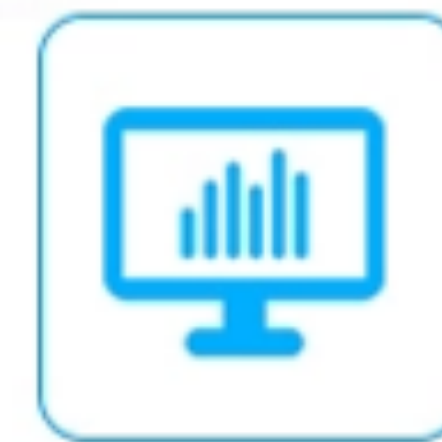
# Disinfection guard Spray Disinfection Robot



Timed disinfection



Atomized particle size 2~5 $\mu$ m



Remote navigation deployment



Battery working time 3~4h



Atomization: 800~3000mL/H



Automatic return to charging



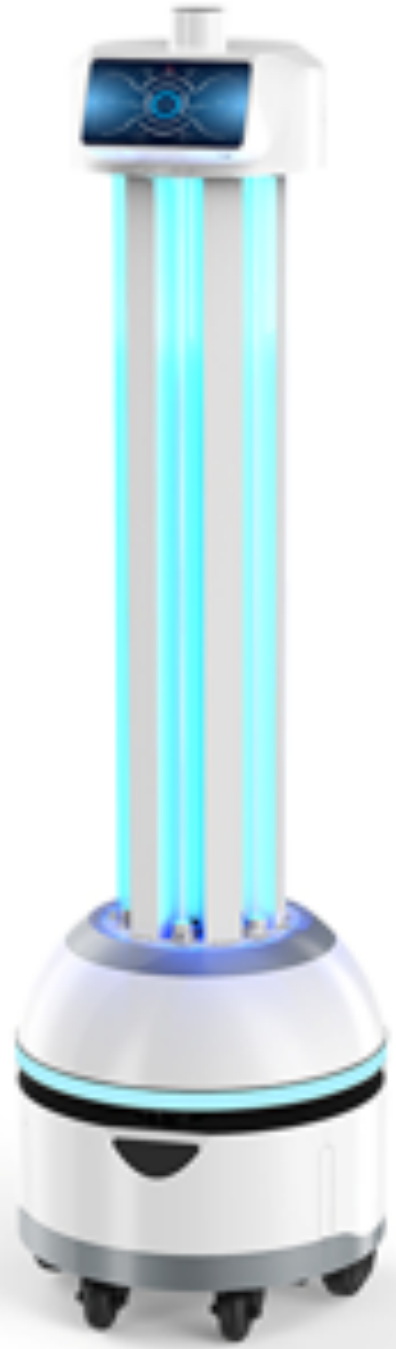
Mobile multi-point disinfection



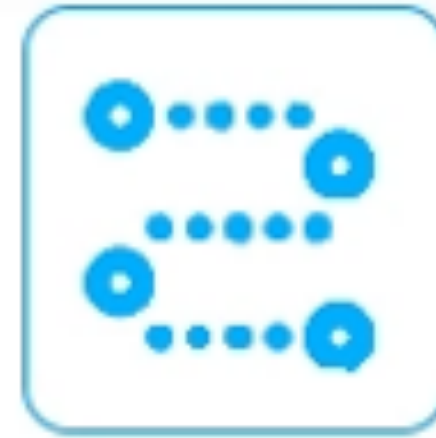
Intelligent obstacle avoidance



# UVC Disinfection Robot Spark



Timed disinfection



Custom disinfection route



Remote navigation deployment



PHILIPS UVC light source



Efficient sterilization



Automatic return to charging



Mobile multi-point disinfection



Second-level obstacle avoidance



PHILIPS UVC light source



PLANNING THE PATH



AUTONOMOUS RIDE



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# Robot chassis

The background features a light beige gradient with decorative elements. A thick, bright yellow-green horizontal line is positioned at the top. The lower half of the image is dominated by a series of thin, wavy, golden-brown lines that create a sense of motion and depth. Scattered throughout the background are small, faint golden-brown dots.

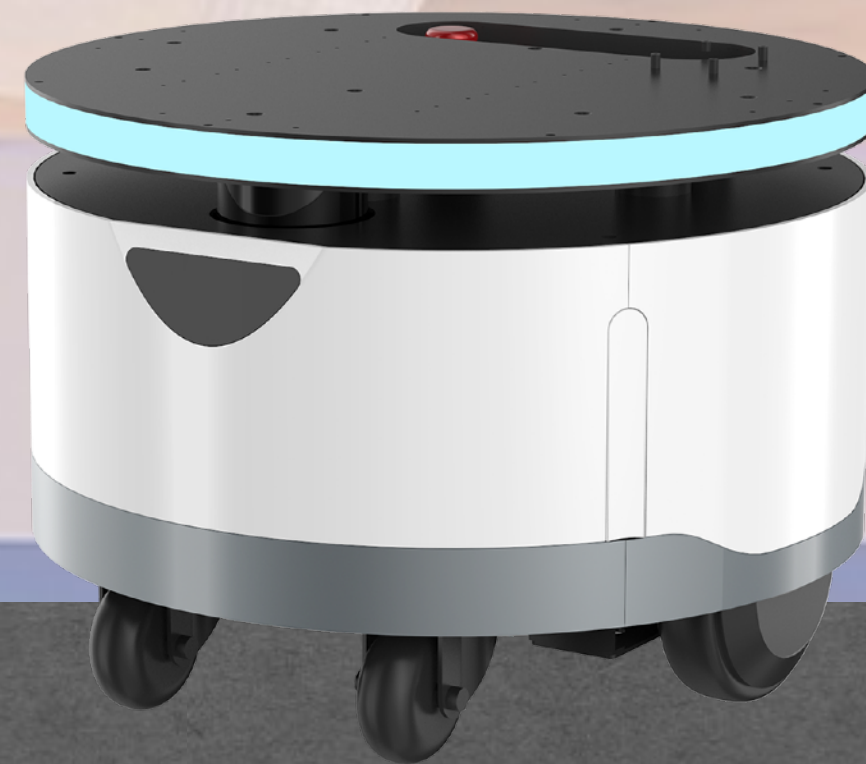


# Chassis Series

Designed to be the best robot platform in the market

## Chassis Robot

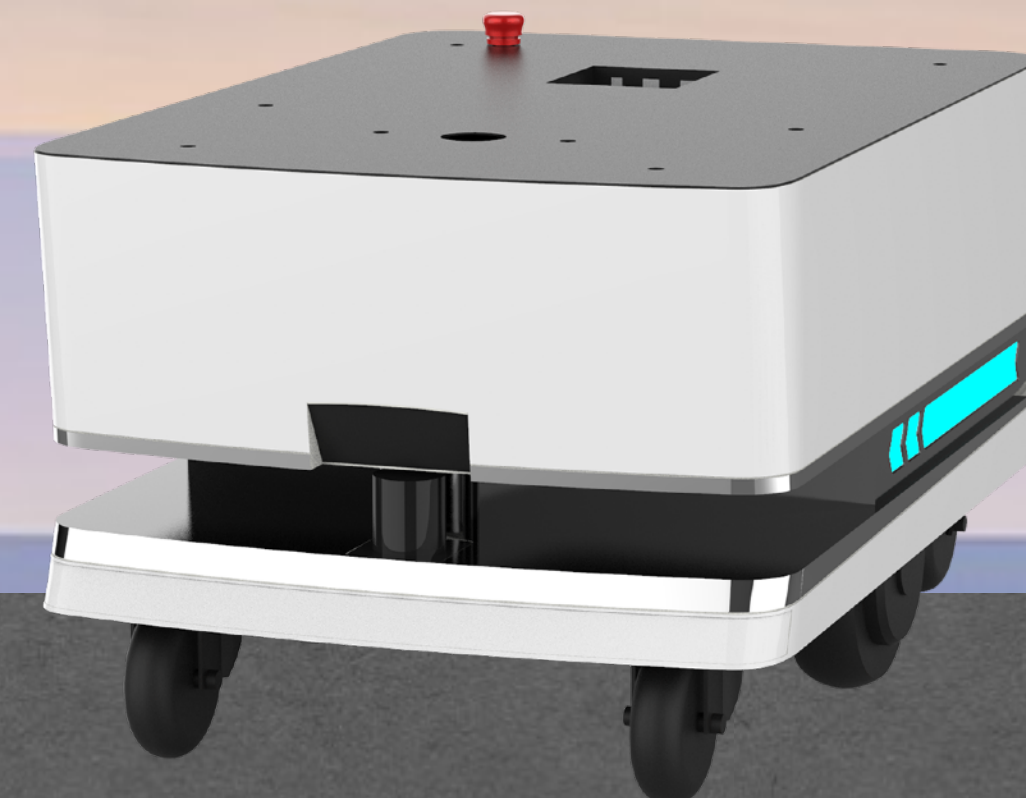
Research institutes, robotics companies, robotics training institutions, robotics enthusiasts



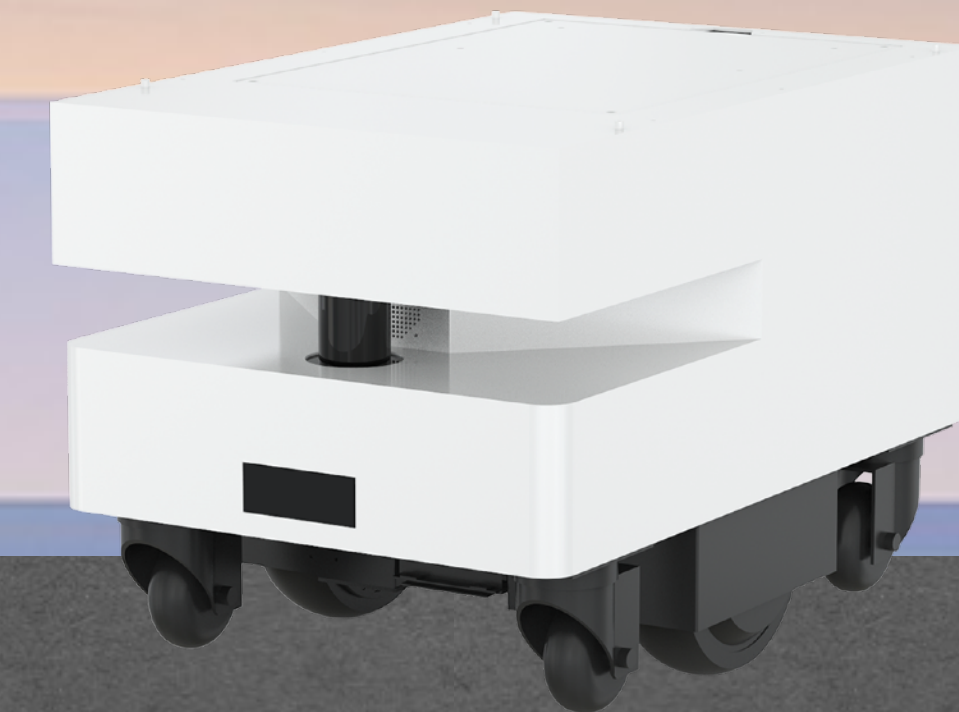
Hot-wheel



Moon knight



Big dog

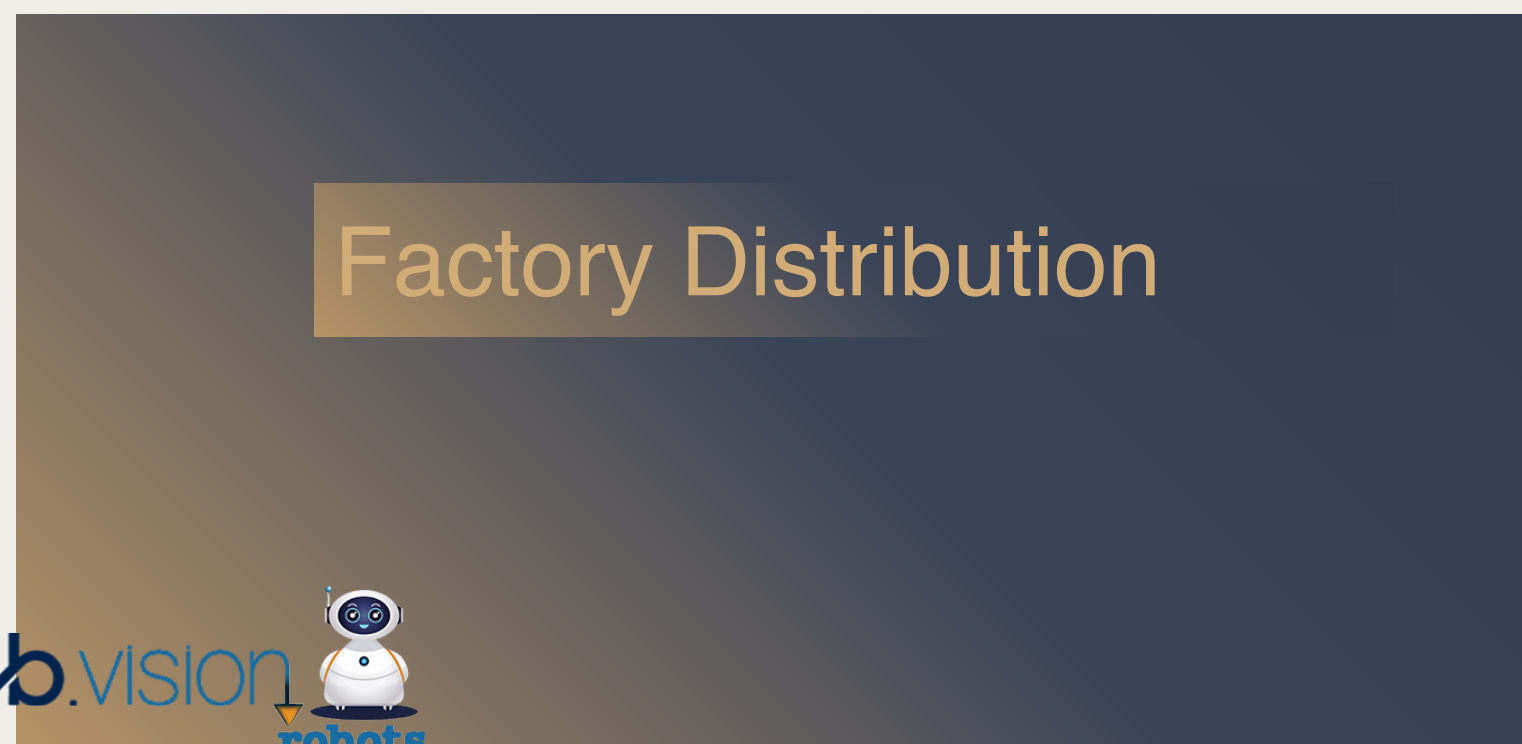
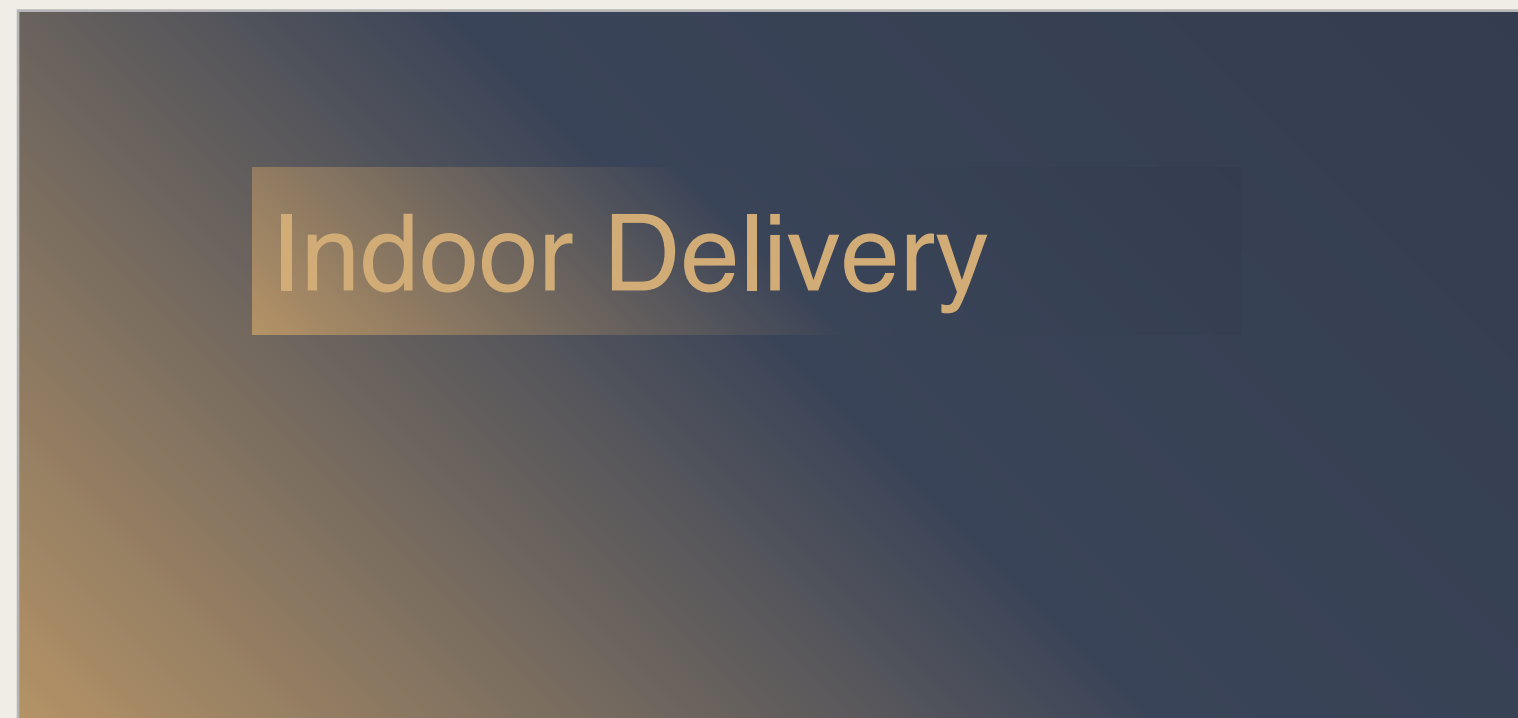
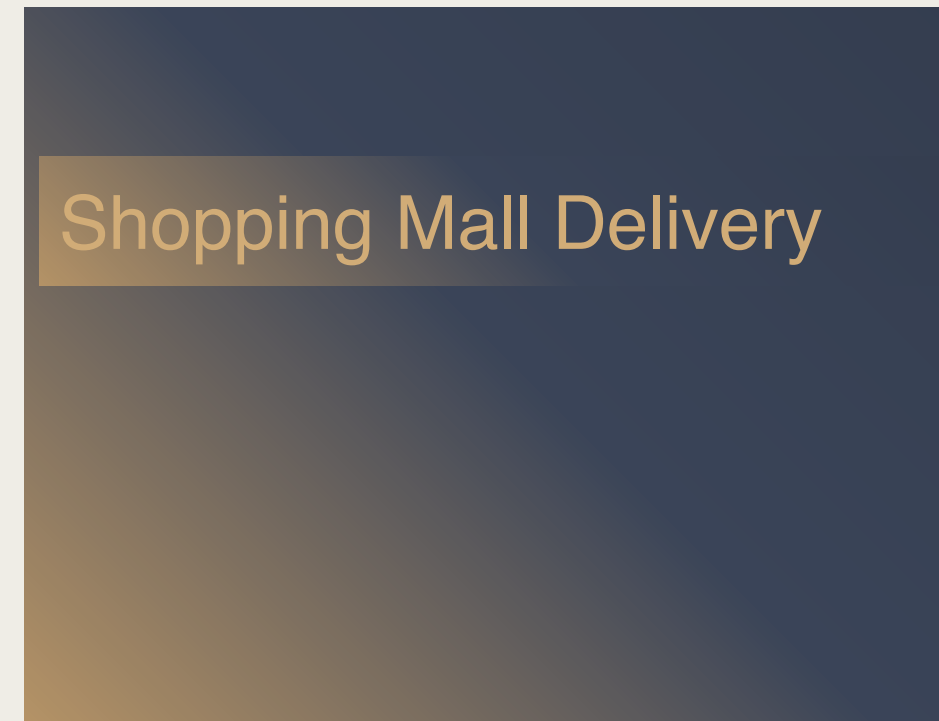


Cavalry



# Chassis Case Sharing

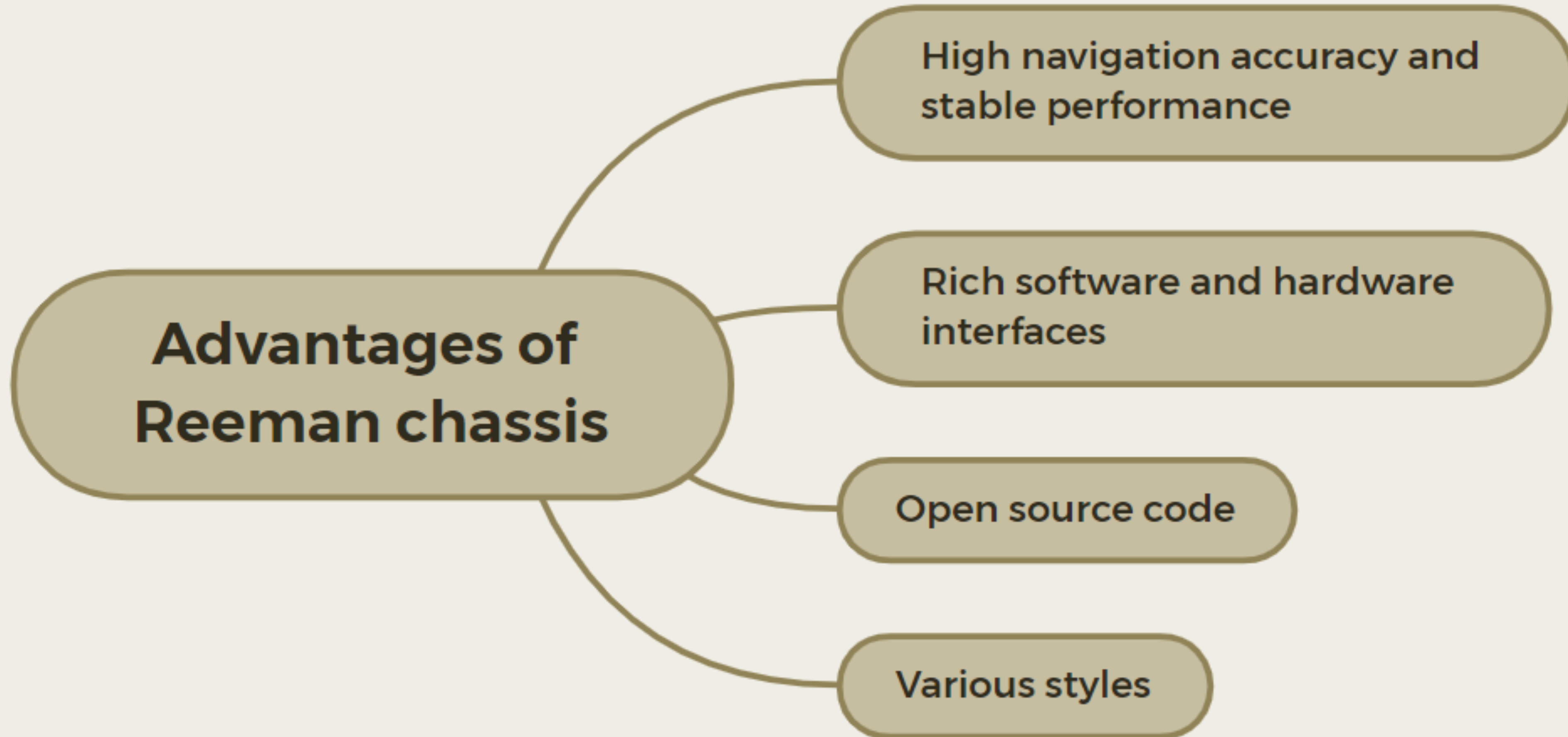
Reeman to be the No.1 robot platform in global market





# Chassis Solutions

Reeman to be the No.1 robot platform in global market





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# Humanoid Robot

The background features a light beige gradient. A prominent decorative element is a series of thin, parallel, wavy lines in a golden-brown color that flow across the bottom half of the page. Scattered throughout the background are small, faint dots in a similar golden-brown hue, creating a subtle, futuristic aesthetic.



# Humanoid Robot Series

Reeman to be the No.1 robot platform in global market


## Humanoid Robot

Research institutes, robotics companies, robotics training institutions, robotics enthusiasts





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# Educational Robot




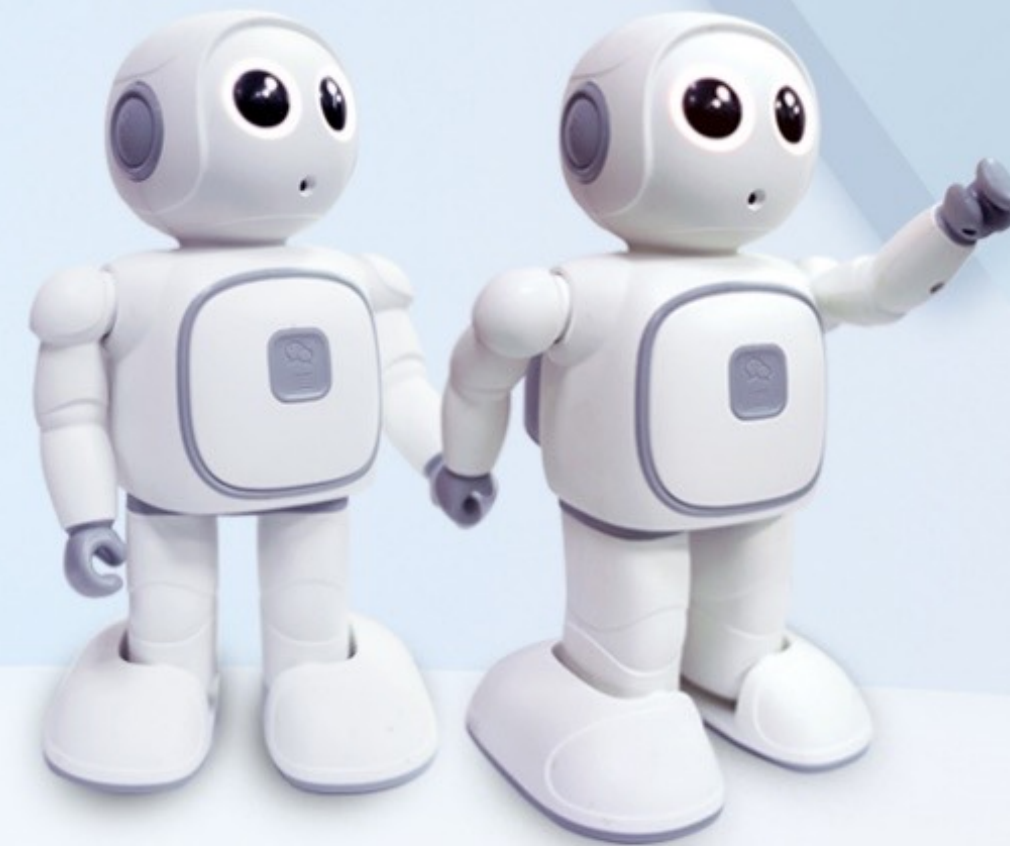
# EDUCATIONAL ROBOT

Can sing and dance , the child's favorite gift

 Play music

 Tell stories

 Dancing



『 CUTE BABY ROBOT 』







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# Thanks

