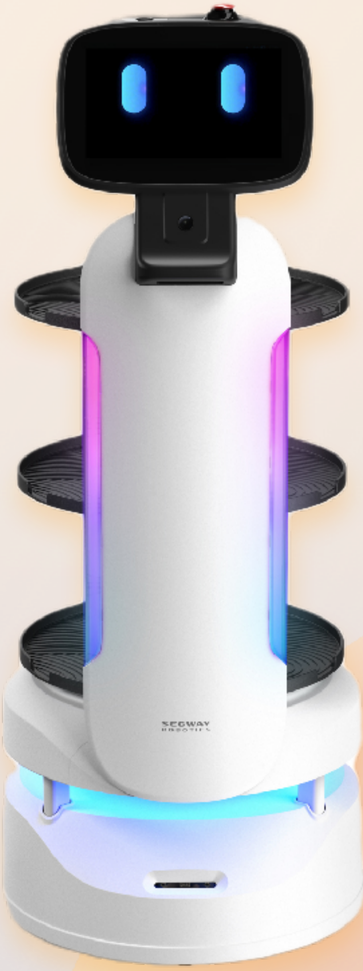
Gaoji robot

Segway ServeBot S1



Simply Moving

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- Company Introduction

- Product Series

02 ServeBot S1

-OverviewW

-Features

03 Usage Scenarios

Product Series

Intelligent transportation for people Intelligent products for short-distance transportation

Self-balancing products

Electric scooters

Electric motorcycle/mopeds

All-terrain vehicles

Innovative products

Children's products

Product Series

Intelligent transportation for things Intelligent robotic products



ServeBot S1



Indoor delivery robot S2



Outdoor delivery robot XH



Delivery robot SH



NOVOMOWER



RMPLite 260



RMPLite 220



RMPLite 400

Accomplishments

Nearly 20 years of robot research and development experience
gains the company a leading position in the industry





2001
Segway self-balancing robot turf platform

2006
Segway Omnidirectional robot chassis

2007
Explosive handling robot

2008
Personal Robots

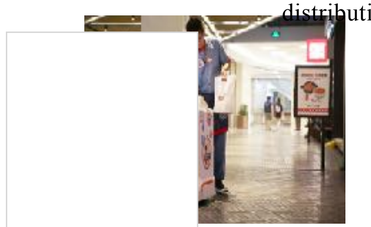


2009
Robot Module Kit

2010
Soccer Robot was awarded in 2010-2011 World Robot Soccer Championship

2011
Modular Robot Mini

2014
Established Segway ROBOTICS



2016
CES 2016
Segway Robot concept released

2017
XPONENTIAL 2017
Release unmanned distribution robot

2018-01
CES 2018
The Loomo consumer version of the robot released

2018-07
Delivery robot released



2019
Delivery robot
For large-scale commercial use

2021-08
NOVOMOWER

2021-11
ServeBot S1 released

Accomplishments

Always stay innovative and technology-driven

10+

The core technology of independent research and development

3500+

Internationally recognized patents

10+

international/national industry standards developed

30+

Global Top awards





02 ServeBot S1

Introduction

AS a lightweight version of service robots, our food restaurantBot integrates the ultimate functions of " delivery, greet and attract customers and recycle plates" for business owners, freeing people from mechanical work to do more valuable things while reducing costs and increasing efficiency.

The AL algorithm independently developed by Ninebot enables the food delivery robot in autonomous route planning, obstacle avoiding, accurate positioning, and fully automated indoor rolling. Additionally, our core and cutting-edge technologies such as the SanDian technology, car-grade chassis and the integrated frame capable of bearing human weight guarantee the safe and smooth run of the robot. With the smart features such as lights, voice prompts, display of facial expressions and so on, the robot is shaped to be a friendly and warmhearted servant, competent of attracting and pleasing more customers.

At the same time, core components of the robot are all independently developed by Ninebot, which has a comprehensive quality control system throughout the whole process. ensuring a perfectly high quality robot. The robot can be used in restaurants, ballrooms, 4S shops and many other places and occasions.



A versatile robot

3+N practical functions
practicality ↑ ↑ ↑

True intelligent

Al + hardcore cutting-edge technologies
Payload capacity ↑ ↑ ↑

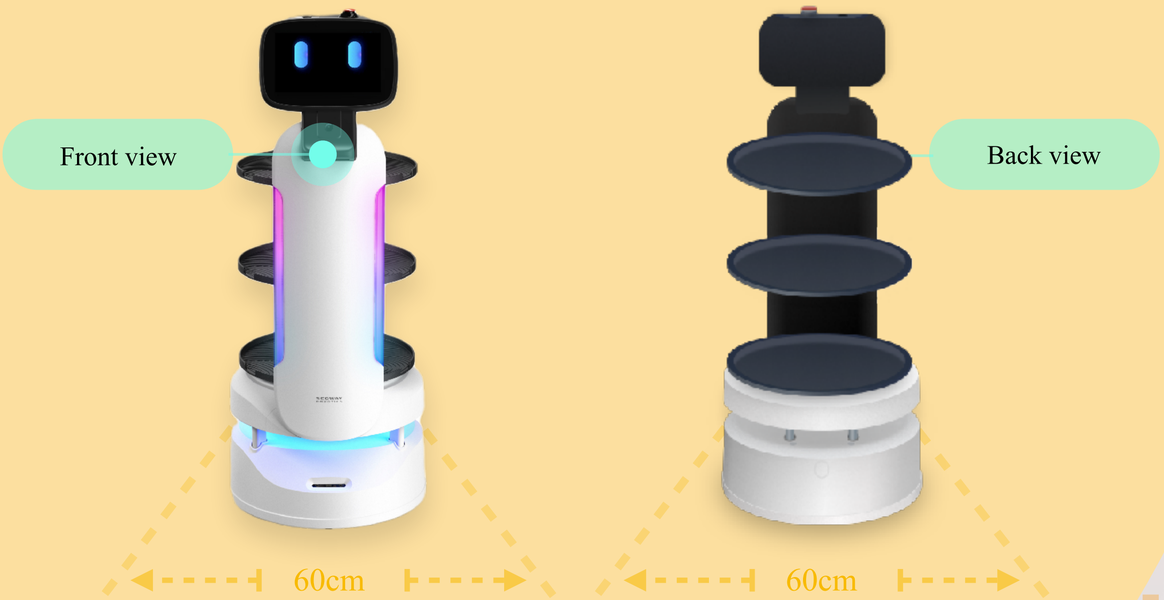
Cost-effective

Comprehensive quality control + perfect after-sales service Cost performance ↑ ↑ ↑

Introduction

Coracular - high flexibility

60cm width makes it perfectly flexible and super adaptable to fit in anywhere



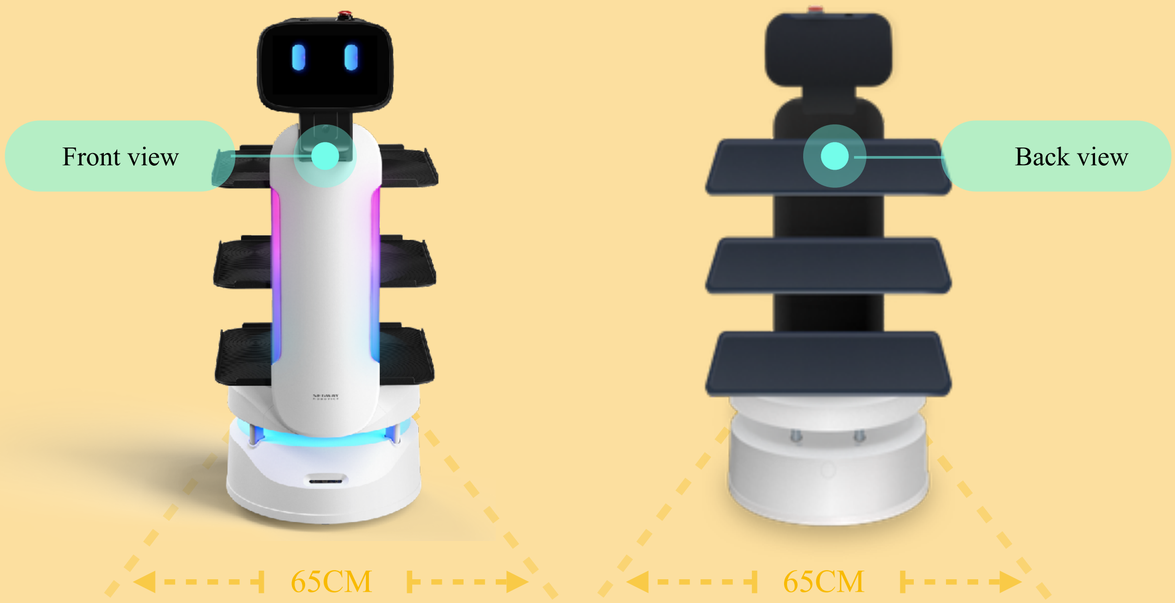
Dimension (LxWxH)	48 *x* 47x 116 cm
Tray size (diameter)	41cm
Net weight	48.5kg
Tray payload	30 kg (10 kg per tray)
Min. clear width	60cm
Pick up angel	300° open tray
Speed	0.8m/s-1.2m/s
Charging time	3h
attery life on full charge	12h - 24h
Network	WiFi / 4G
Service life	5-8 years

Introduction

Dimension (LxWxH)	51 *x* 50x 116 cm
Tray size (diameter)	43cm
Net weight	51.5 kg
Tray payload	30 kg (10 kg per tray)
Min. clear width	65cm
Pick up angel	300° open tray
Speed	0.8m/s-1.2m/s
Charging time	3h
attery life on full charge	12h - 24h
Network	WiFi / 4G
Service life	5-8 years

Rectangular trays - high payload

Equipped with three big trays, the robot can serve many tables at once.



Features

Master all things with one robot

Recycle plates

Attract and greet customers

3+N

Intelligent Delivery

Guide

Cruise

Birthday

Versatility

Intelligent Delivery

3 large trays, 300° open form, 30 kg payload, delivery for many at once, making delivery easier

300°open trays

More convenient for placing and pickup

3 large trays

One tray holds food for many; One run delivers for many

Intelligent route planning

Delivery from near to far

360° omnidirectional obstacle avoiding

Safer delivery

Integrated & sturdy frame

Smooth and safe operation

Intelligent voice prompt

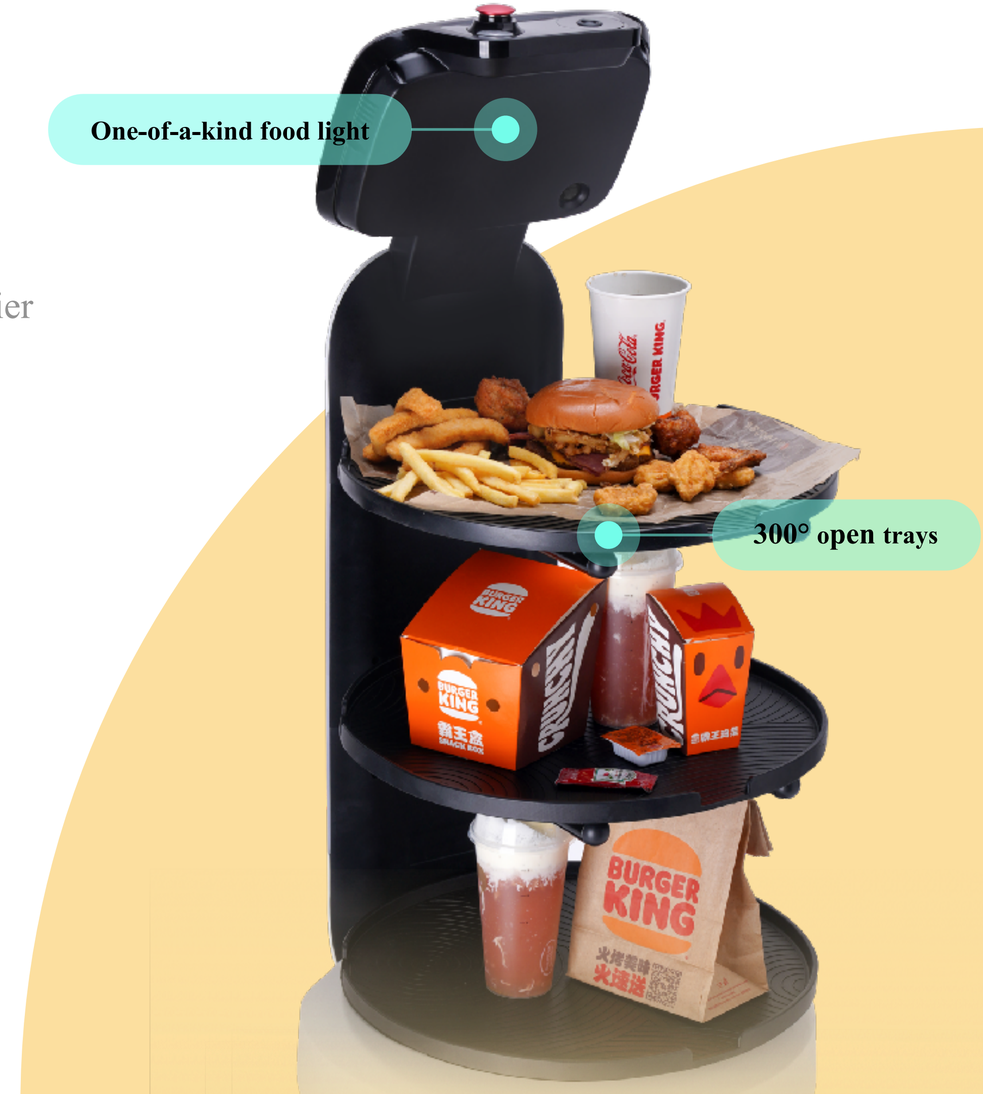
Real-time message notifications

Ambient food light

Keep it warm and colorful

Keep it warm and colorful

Keep it warm and colorful Anti-slip



Versatility



Attract and greet customers

The robot with its human-like appearance, imitates the service personnel and makes the customers feel like vip and warmly welcomed, which makes it specially apt for welcoming and greeting guests, giving customers a brand new experience and helping stores quickly acquire customers.

Attract and greet customers while standing attract customers

Attract and greet customers while cruising

Customized marketing

Clever expressions



promotional video



promotional pictures

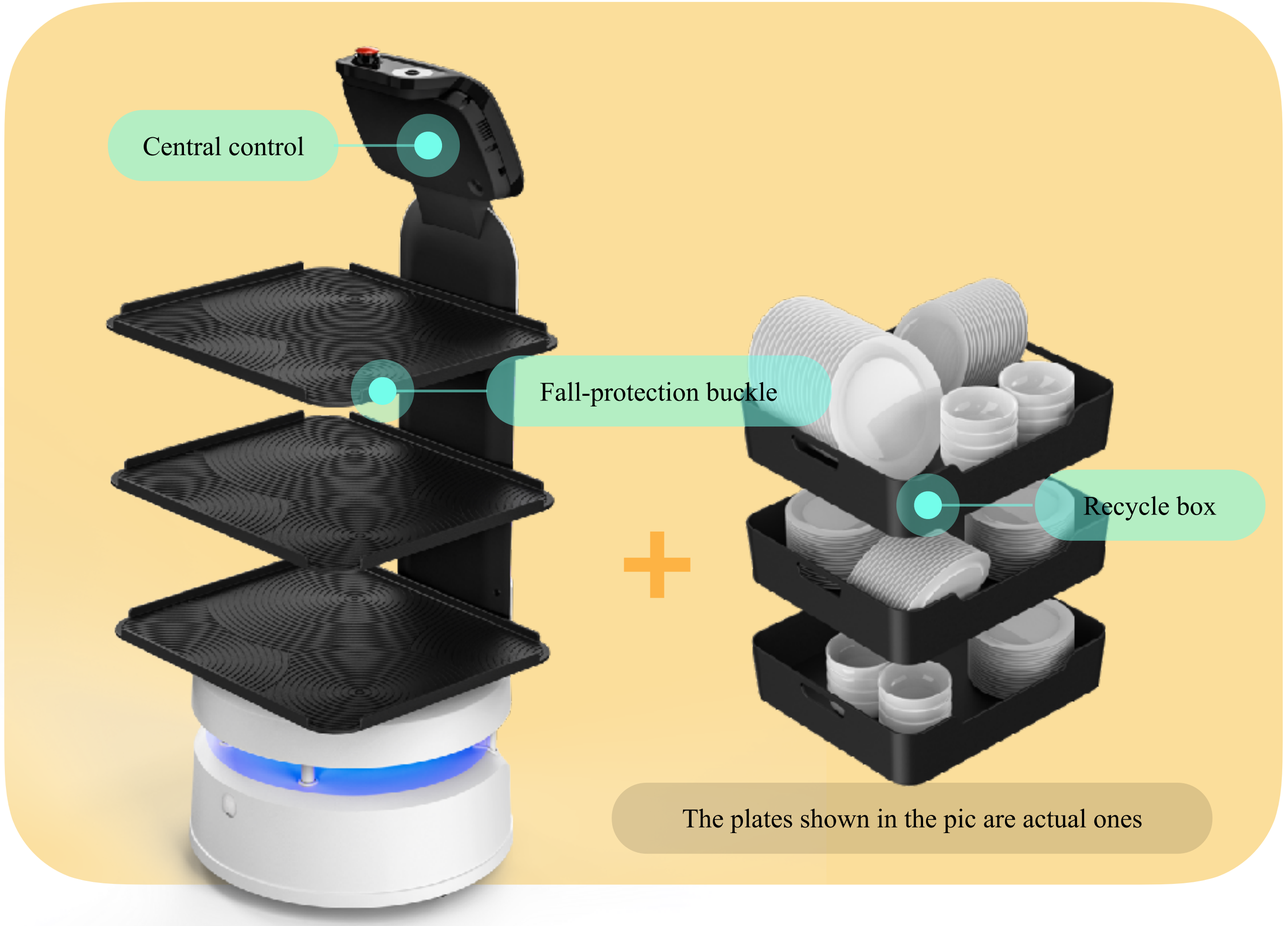


Note: Voice dialogue and customer recognition are coming soon

Versatility

Recycling plates

The food delivery robot is equipped with a self-developed tray frame, which has a large payload and can recycle multiple plates at one time. The fall-protection buckle on the trays ensures that the things they carry do not fall off when the robot is moving.



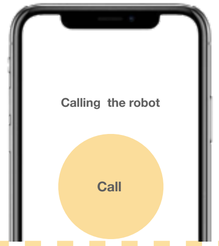
Super carrying capacity

30KG/each run = Small bowls 102

Plates 40+

Multiple codes

Remote control



automatic cruise



Note: The recycle box and mobile phone call will be online soon

Versatility

More superpowers

Birthday

Birthday Deliver cake & food I Sing birthday songs | Send birthday well-wishes

Having well-wishes delivered by robots is a novel and unique of celebrating which does not only spare everyone the embarrassment but is also full of surprises.

Cruise

Snack distribution | marketing | recycle plates on the way

The robot distributes food and snacks and broadcast marketing ads while cruising around, saving the human labor to do all such advertisings.

Guidance

Machines take customers to their destinations, freeing waiters



Features

True Intelligent

Multi-sensor fusion positioning

Intelligent path planning

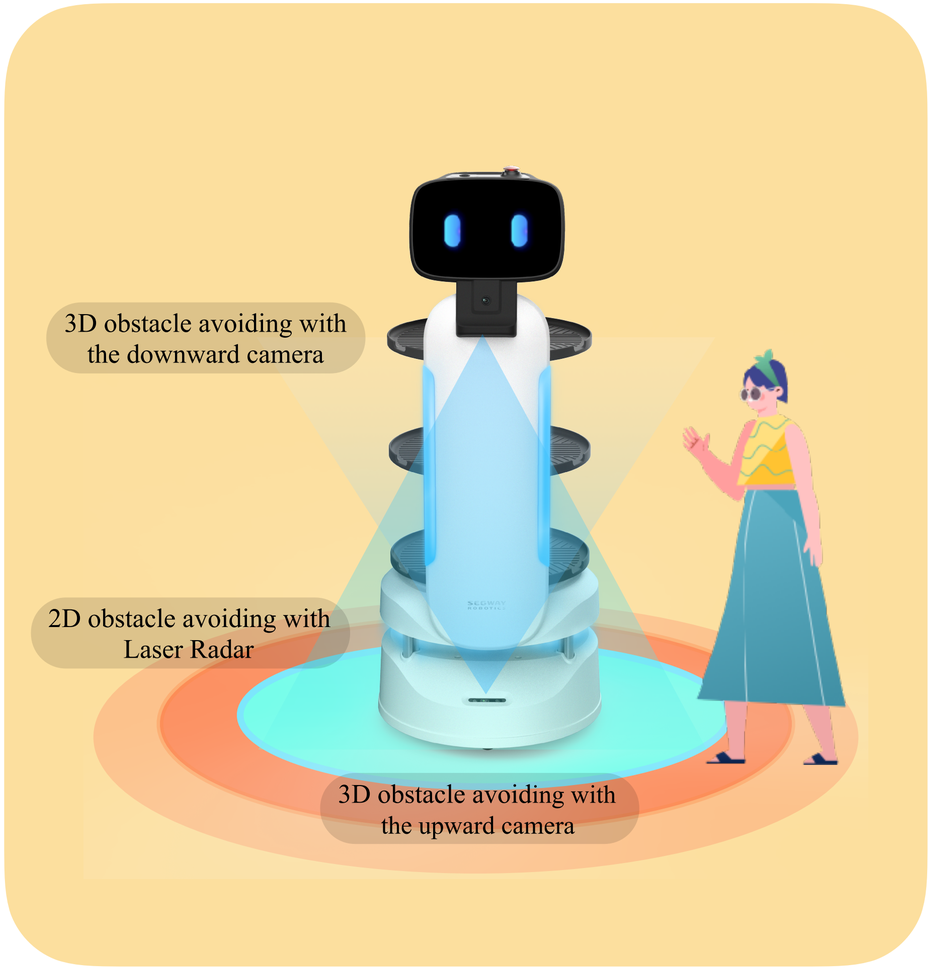
Automatic obstacle avoiding

Multi-robot cooperation

Customer recognition

Voice conversation

True intelligent



Autonomous obstacle avoiding to ensure pedestrian safety

Multi-sensor combined, 360°omnidirectional obstacle detection, centimeter level obstacle avoiding, reaction within seconds, stop when blocked , move only after obstacle removed, stepping protection, a safe robot around both adults and kids

360°Omnidirectional obstacle avoidance

0.5second reaction speed

Runs smoothly like a cat

Stepping protection

True intelligent

Double SLAM positioning, stable and efficient operation

A machine with both visual SLAM and laser SLAM positioning capabilities. Choose the right solution for you

Vision SLAM



Laser SLAM



Note: Laser SLAM is coming soon

True intelligent

More applications of intelligent AI technology

multi-robot cooperation

A restaurant can use multiple robots at the same time and work cooperatively



voice conversation

The robot has a voice interaction function, and can have a voice conversation with customers when soliciting customers



Customer recognition

The robot has its own fish-eye camera, which can scan customers passing by the door of the restaurant and open the mode of attracting customers



Note: Voice dialogue and customer recognition are coming soon

True intelligent

Super hardcore cutting-edge technologies

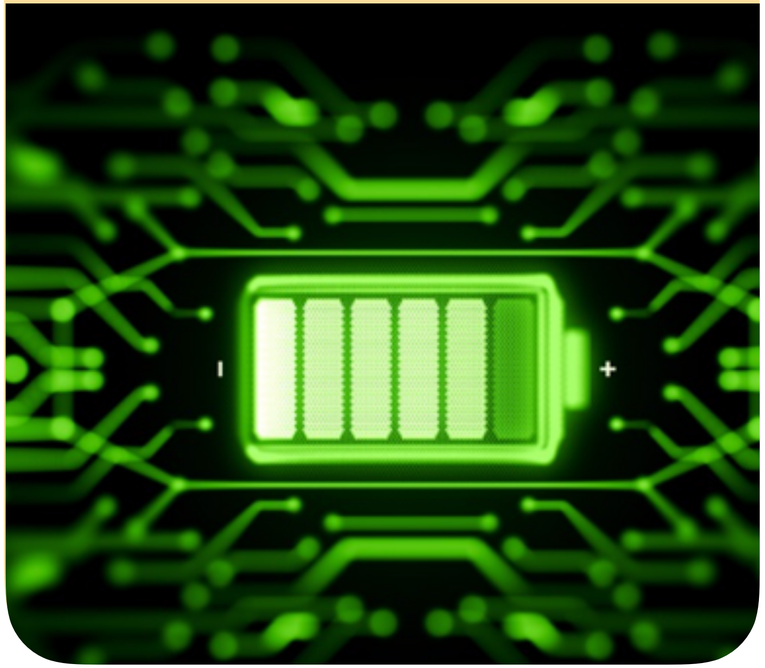
High power hub motor

Super silent, no noise in operation
150W high power, abundant kinetic energy



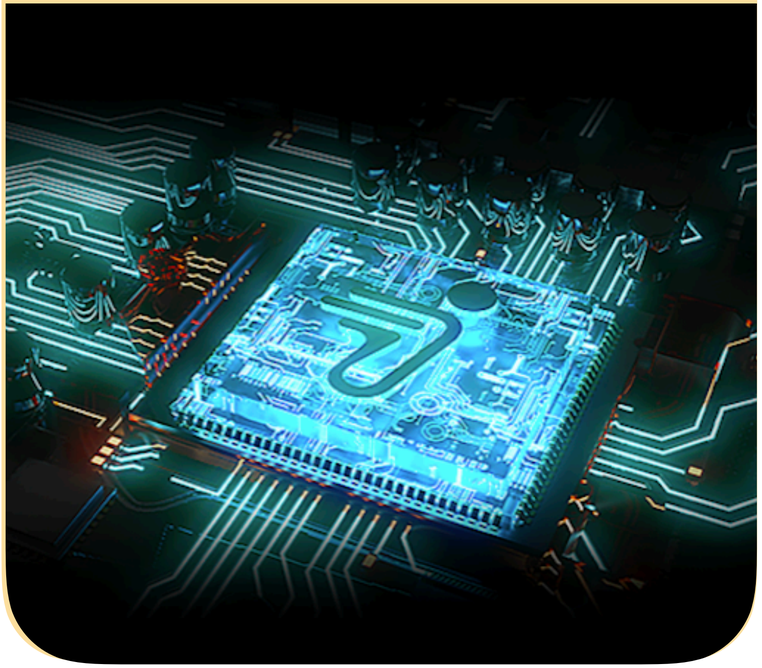
lithium iron phosphate battery the same type as Tesla

The battery uses lithium iron phosphate chemical material, high temperature resistance, not easy to fire, environmental protection, more safe



Fully developed electric control system

Millisecond reaction speed, more agile when braking and avoiding obstacles

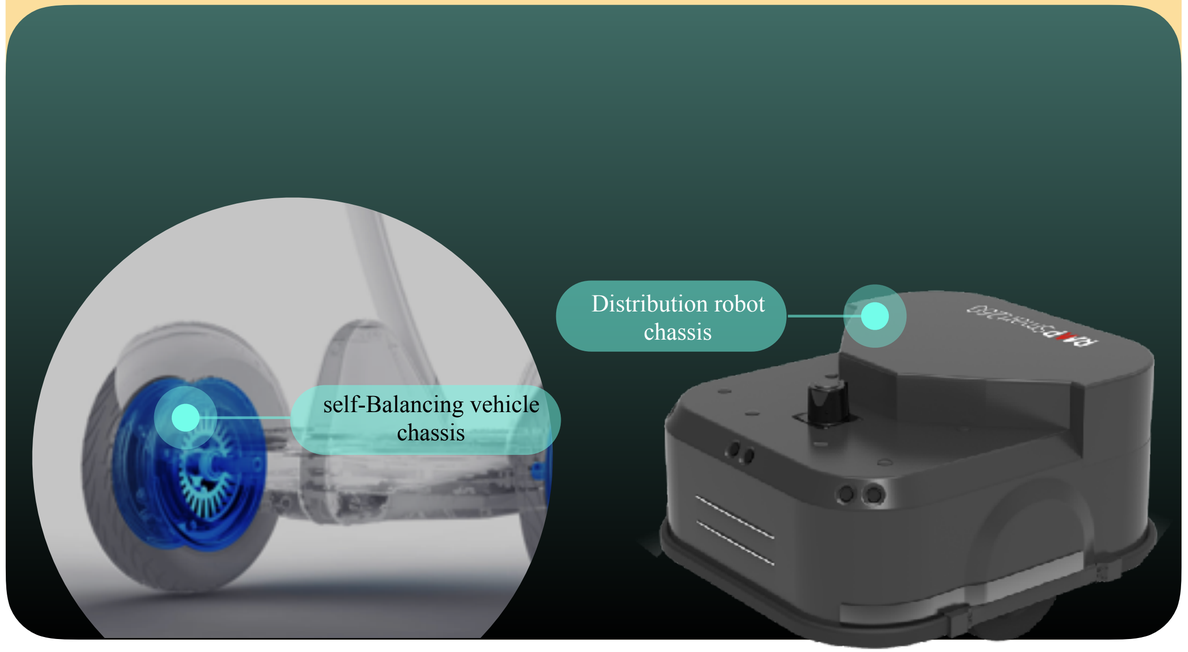


True intelligent

Super hardcore cutting-edge technologies

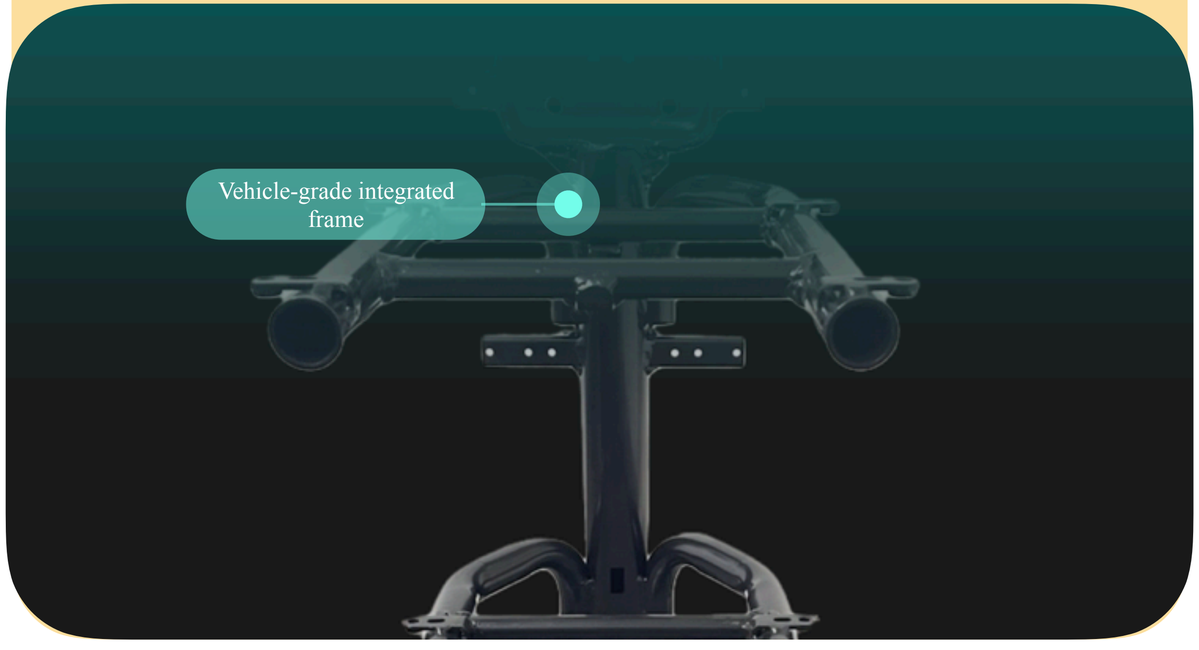
Tens of millions of chassis production experience

Nearly 20 years of chassis development experience, hundreds of product iterations
Data accumulation of tens of millions of manned operations



Manned class integrated frame

Unique integrated frame, used in no.9 electric car and many other manned products, strong and stable, safe and stable operation

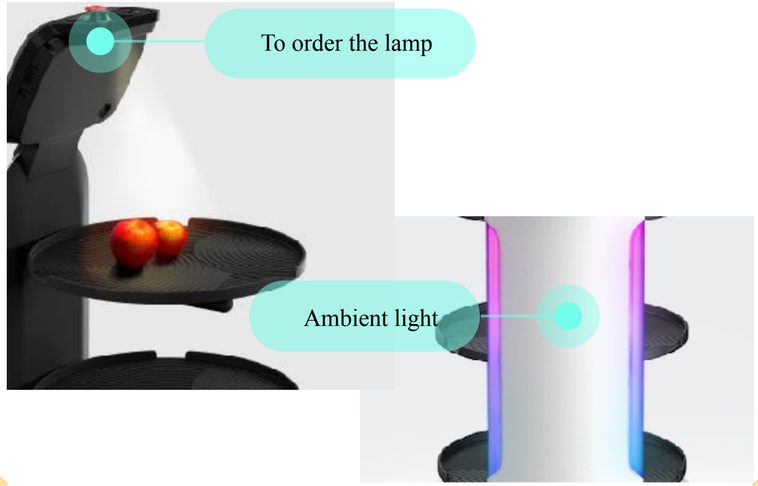


True intelligent

More intelligent experience, always refreshing

Trendy light show

A variety of lighting effects, a variety of colors



Smart voice pack

Multiple voice packages are available



Customized voice content

Text ……

All New Emoji

Robot IP image



Emotionalized robot emojis



Features

Super -High cost performance

Service assurance

Full link quality control

Quality Assurance

Cost-effective

Independently developed, constantly upgrading system with quality assurance

Products from the research and production of self-marketing

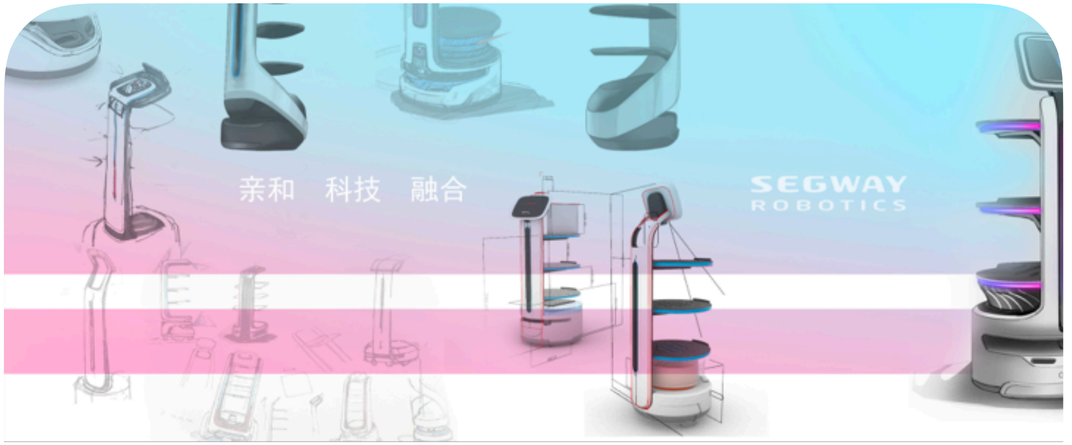








Multiple iterations of the product









Cost-effective

Full link quality control, high product security firewall

6 quality control positions, control the quality and safety

DQE
Design quality control

SQE
Supplier Quality control

IQC
Incoming material quality control



Quality Control Center

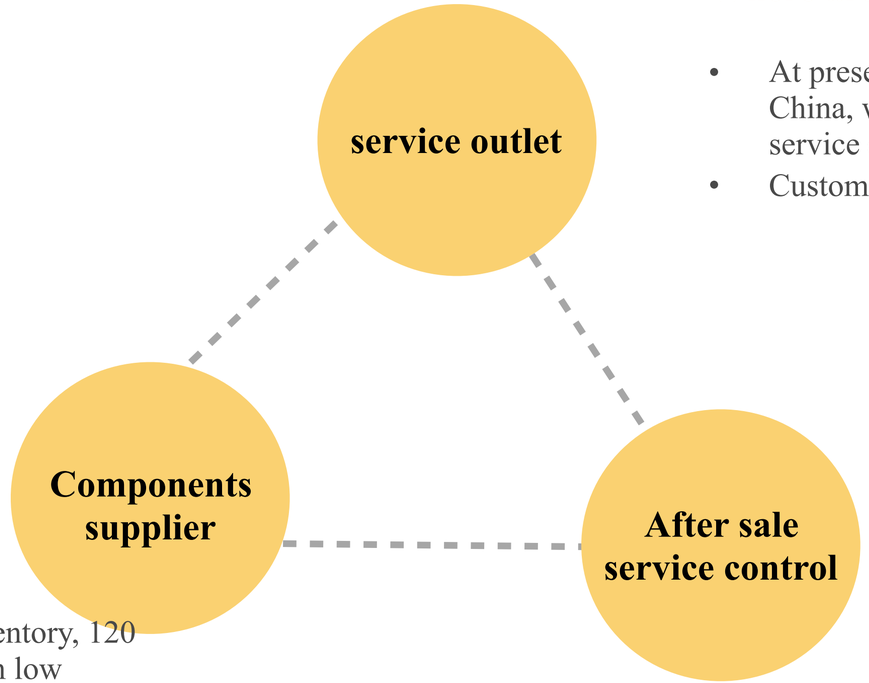
PQE
Production process control

OQC
Outgoing quality control

CQE
Client quality control

Cost-effective

Complete after-sales service, a full range of after-sales service



Where are the robots, where are the services

- At present, there are more than 200 service stations in China, which is the company with the largest number of service outlets in the same industry
- Customers enjoy national consistency service。

Abundant spare parts stock

- Sufficient inventory: 60 million parts inventory, 120 million merchandise inventory, 80 million low consumption inventory
- Perfect inventory management, to ensure that each model of at least 5 years of safety stock

Perfect service management mechanism

- Cloud tracking system, timely feedback robot status, avoid affecting the operation of the robot
- After - sale nanny plan and service supervision, the company has a full-time customer service department call return visit, tracking service wind review at any time

03 Usage Scenario

Usage scenario

Designed especially for restaurants while also suitable for a variety of indoor delivery scnarios

