



# DELIVERY ROBOTS AND SWEEPING ROBOTS

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-  **VISION**  
Infinite autonomous driving everywhere
  
-  **MISSION**  
Embrace a better life with autonomous driving
  
-  **VALUES**  
Tech-based principles & a hard-working spirit

# Company Profile

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Guangzhou Saite Intelligent Technology Co., Ltd. is a professional driverless full-scenario solutions provider. The company focuses on the research and innovation of core technologies in high-precision indoor and outdoor positioning and navigation, machine vision and intelligent cluster scheduling with abundant of patents in these fields. As of now, SAITE has successfully developed and applied products including hospital delivery robots and outdoor sweeping robots. By reaching strategic cooperation with many top domestic and overseas universities, SAITE aims to integrate multi-party scientific research resources to promote the advancement and development of artificial intelligence and the driverless industry.

# Company Honor

- 2024 First Prize of The First Shenzhen (International) Intelligent Sanitation Cleaning Robot Competition
- 2023 Guangdong Province Specializes In Special New Small And Medium-sized Enterprises
- 2022 Low-speed Unmanned Driving Scene Landing Case TOP50
- 2021 Guangdong Science And Technology Award - Technical Invention Award
- Guangdong Medical Service Robot Engineering Technology Research Center
- 2021 China Industry-University-Research Cooperation Innovation Achievement Award



CE Certificate of Delivery Robots



CE Certificate of Sweeping Robots

700+

Intellectual Properties

6

Standard Draftings

160+

Technical Patents



Obstacle Avoidance Test



Automatic Door Test

# Manufacturing Factory



Charge Test



Slope Test

# Product Introduction





Operating room



Pharmacy store



Clinical laboratory

# Delivery Robot

The robot automatically docks with shelves and smart containers through jacking technology, responds to delivery tasks at any time, plans routes automatically, making delivery efficient and intelligent.



## Applicable Scenes



Disinfection Supply Center



Central pharmacy



Facial recognition



Fingerprint recognition



ID card recognition

Maximum gradability	8°
Maximum speed	1.5m/s
Battery duration	8H
Positioning accuracy	10mm

## Different Series

Version	BASIC 	PLUS 	PLUS MAX 
Size	880*456*940mm	1050*465*940mm	1050*465*940mm
Load	200kg	300kg	400kg



# Intelligent Multi-storage Cabinet



- 

Large capacity
- 

Video monitoring
- 

Independent authority
- 

Permission management

Oral medication

Intravenous infusion



The cabinet has four separated large storages. Each storage has its own authority to distribute multi-disciplinary supplies at one time to meet the standard of hospital pharmacy management.

## Applicable scenes



Permission management	 ID card	<h1>200</h1> <p>kg</p> <p>Maximum load</p>
Battery duration	72H	
Communication method	4G/Wi-Fi	

# Intelligent Decontamination Cabinet



Instruments



Sterile packs



The intelligent decontamination cabinet is a device that meet the purpose of disinfection and material distribution, which can be integrated with multiple software platforms, such as hospital HIS, LIS, SPD etc., making the informatization of instruments management possible.



Large capacity



Video monitoring



Ultraviolet sterilization



## Applicable scenes



Permission management	ID card	<b>200</b> kg Maximum load
Battery duration	72H	
Communication method	4G/Wi-Fi	

# Transfer shelves

## Support customized shelves

The shelves are designed with large capacity double doors, making it easy for medical and logistic staff to place and access the supplies. In addition, the shelves can also be used as temporary storage racks for departments, placing the materials claimed by the application department in advance, and then calling the robot to deliver the materials.

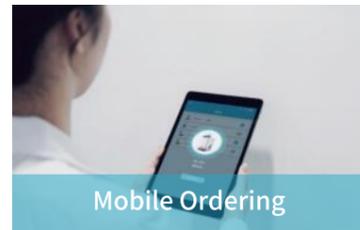


<b>200</b> kg Maximum load	<b>800</b> L Maximum capacity
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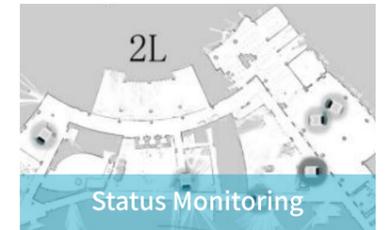


# SOFTWARE SYSTEMS

## Multiple Ordering Methods



## Authority Control and Monitoring



## Automative and Intelligent Process



## Multiple Safety Guarantee



## Online Management Platforms



# Hospital Cases

## Biggest Market Share in China's Top 100 Hospitals

Fuwai Hospital, CAMS & PUMC

Qilu Hospital of Shandong University (Qingdao)

West China Second Hospital, Sichuan University (Jinjiang)

Shanghai Public Health Clinical Center

The First Affiliated Hospital, Sun Yat-sen University

Sun Yat-sen University Cancer Center

The People's Hospital of Longhua, Shenzhen

No. 948 Hospital of the PLA

Hainan Hospital of Chinese PLA General Hospital

Hong Kong Queen Mary Hospital

Gleneagles Hong Kong Hospital

China Agricultural University

Henan Longhua Hospital

The First Affiliated Hospital of HAUST, Henan

Xinxiang Fengquan Temporary Treatment Hospital, Henan

Wuhan Yunjingshan Hospital, Hubei

The Second People's Hospital of Chenzhou, Hunan

Sichuan Cancer Hospital

The Third People's Hospital of Chengdu

Chengdu Hi-Tech Zone Hospital for Women and Children

Luzhou Maternal & Child Health Hospital, Sichuan

The Southwest Hospital of AMU, Chongqing

People's Hospital of Shigatse City, Xizang

The Fifth Affiliated Hospital of Guangzhou Medical University

Guangzhou International Health Care Station

The Third Affiliated Hospital, Sun Yat-sen University

School of Intelligent Systems Engineering, Sun Yat-sen University

Guangdong Testing Institute of Product Quality Supervision

Shenzhen Baguang International Hotel (Health Care Station)

Shenzhen Longhua Longxin Community, Guangdong

Zhuhai Center for Maternal and Child Health Care, Guangdong

The First People's Hospital of Foshan, Guangdong

Shunde Hospital, Ji'nan University, Guangdong

Meizhou Gucheng Hospital, Guangdong

Changzhou Temporary Treatment Hospital, Jiangsu

Taizhou Hospital of TCM, Jiangsu

Hainan Public Health Clinical Center

Hainan Modern Women and Children's Hospital

The People's Hospital of Yudu County, Jiangxi

People's Hospital of Xingguo Ganzhou, Jiangxi

The First Affiliated Hospital of Fujian Medical University

Fujian Mengchao Hepatobiliary Hospital

Xiamen Maternity & Child Healthcare Hospital, Fujian

The People's Hospital of Yunxiao County, Zhangzhou, Fujian

People's Hospital of Jincheng, Shanxi

Xi'an No.9 Hospital, Shaanxi



Fuwai Hospital of CAMS & PUMC



The Affiliated Zhongshan Hospital of Fudan University



Qingdao Qilu Hospital of Shandong University



The First Affiliated Hospital of Sun Yat-sen University



Xi'an No.9 Hospital



Zhuhai Center for Maternal and Child Health Care



The Southwest Hospital of AMU



The First Affiliated Hospital of HAUST



Shenzhen Baguang International Health Care Station

# SWEEPING ROBOT S330

The sweeping robot Smart Saggi S330 is an epoch-making high-tech outdoor driverless cleaning product, which integrates the cutting-edge artificial intelligence technology and advanced intelligent sanitation management concept, to realize the unmanned outdoor intelligent cleaning work, and to help achieve the refined and intelligent management of sanitation service.



Charging Station

Sweeping Robot S330



<b>Product Model</b>	S330	<b>Battery Type</b>	LiFePO <sub>4</sub>	
<b>Size (L*W*H)</b>	<b>(unfold)</b>	2120*1910*1670mm	<b>Battery Capacity</b>	9.6kWh
	<b>(fold)</b>	2430*1200*1670mm	<b>Charging Time</b>	4h
<b>Curb Weight</b>	660kg	<b>Runtime</b>	8h	
<b>Sweep Width</b>	1910mm	<b>Gradeability</b>	15°	
<b>Clean Efficiency</b>	avg. 6900m <sup>2</sup> /h	<b>Crossing Height</b>	8cm	
<b>Cleanliness Rate</b>	97%	<b>Driving Power</b>	2500W	
<b>Dustbin Volume</b>	150L	<b>Working Noise</b>	<75dB	
<b>Water Tank Volume</b>	100L	<b>Protection Class</b>	IPX5	
<b>Max. Speed</b>	6km/h	<b>Work Temp.</b>	-10~50°C	

<b>Product Name</b>	Integrated Charging and Water Filling Station	<b>Charging Mode</b>	Automatic/Semi-automatic
<b>Size (L*W*H)</b>	750*410*1300mm	<b>Water Filling Mode</b>	Automatic/Manual
<b>Weight</b>	45kg	<b>Rated Output Current</b>	DC 50A
<b>Work Voltage</b>	AC 220V	<b>Rated Output Voltage</b>	DC 48V
<b>Rated Power</b>	3340W	<b>Protection Class</b>	IP54
<b>Work Temp.</b>	-10~50°C	<b>Storage Temp.</b>	-25~50°C



## Intelligent Planning

Through AI intelligent perception to identify garbage, cleaning according to the location of garbage to improve the cleaning efficiency.



## Self-dumping, Overflowing Sensing

Equipped with large capacity garbage bins, automatic dumping when overflowing without manual intervention.



## Autonomous Charging and Water Adding

8 hours long endurance, low power/water automatically return to the supply station to charge/add water.



## Multiple Environment Sensors

AI intelligent identification and obstacles avoidance of traffic cones, curbs and barriers for accurate passing.



## Weather Sensing and Adapting

Rainfall detection for autonomously shelter heading. Light detection for autonomous lights switching.



## Self Dust Control and Reduction

Integrating cleaning, sprinkling and dust control, to effectively reduce dust during cleaning and avoid secondary pollution.

# SWEEPING ROBOT S5

S5 is a small autonomous sweeping robot specialized for the complex urban environments, such as communities, parks, sidewalks. The robot is tiny and smart, integrated with high-precision positioning and navigation technologies, multiple sensors for 360-degree surrounding, and multiple safety protection. At the same time, the robot can pack and dump the garbage automatically, to avoid exposure pollution and reduce garbage transfer time, in order to realize effective cleaning by human and robots collaboration.

Size L*W*H	1810*850*1280mm	Battery Type	LiFePO <sub>4</sub>
Curb Weight	450kg	Battery Capacity	7.2kWh
Sweep Width	1300mm	Charging Time	4h
Turing Radius	2m	Runtime	6h
Clean Efficiency	avg. 4700m <sup>2</sup> /h	Gradeability	15°
Cleanliness Rate	97%	Crossing Height	8cm
Dustbin Volume	100L	Working Noise	<75dB
Water Tank Volume	50L	Protection Class	IPX5
Max. Speed	5.4km/h	Work Temp.	-10~50°C



1.1m Min. Passable Width



Obstacles Avoidance



Automatic Garbage Packing



Auxiliary Blower



Rain and Light Environment Sensing



Traffic Light Passing



# INTELLIGENT COMPREHENSIVE MANAGEMENT PLATFORM

The intelligent management platform is the scheduling and data center of sweeping robots, conducting the operation monitoring and overall management of all the robots in service. This not only facilitates the daily equipment maintenance for users, but also further improves the visualization, digitalization and intelligence of the cleaning work and the cleaning management level.



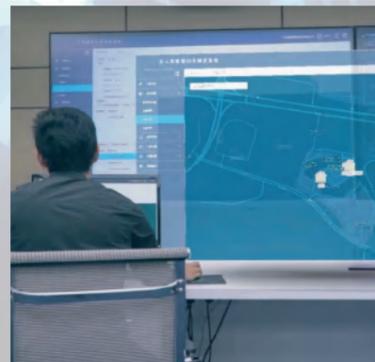
## Remote Cluster Scheduling

An efficient "Super Brain" for robots cluster management, intelligent data analysis to upgrade informatization level.



## Operation Monitoring and Visualized Management

Intelligent inspection on endurance of core modules such as battery and driving system, to realize risk warning and fault alarm.



- One-Key Tasks Ordering
- Intelligent Risk Warning
- Multiple Robots Collaboration

# Cleaning Cases

## INDUSTRIAL PARKS



Guangzhou Sino-Singapore Innovation Park

## RESIDENTIAL DISTRICTS



Guangzhou Times Nanwan Community

## PARKS/ SCENIC AREA



Guangzhou Sun Yat-sen Memorial Hall

## SCHOOLS



Chongqing University

## CONVENTION CENTERS



Shantou International Convention Center

## HOSPITALS



Zhongshan Hospital, Fudan University

## COMMERCIAL SQUARES



Shenzhen Civil Square

## URBAN ROADS



Shenzhen Qianhai Avenue

## PUBLIC VENUES /PLACES



Guangzhou Railway Station