云迹科技
YUNJI TECHNOLOGY

New generation

Hotel Multi-functional Service Robot - UP

Modular Utility Robot-UP

清洁中

About Us

As an innovative technology company focusing on the application and technology research and development of commercial robot products, Yunji Technology, with years of accumulation in i**ndoor positioning and navigation, robot movement, big data** and other aspects, specializes in the productization and commercial operation of intelligent robots. The company has successively completed multiple robot iterations and prototype research and development of the third generation robots, with the products being mainly applied in **hotels, buildings, government halls, communities and other scenarios to provide delivery, guidance, explanation, residential solutions** and other services.

Since the establishment in 2014 till now, the company has applied for more than 2,000 intellectual properties, including more than 1,000 patent applications (invention patents account for more than 60% of the total applications). Its innovation index available in qcc.com is up to 711.78T. **It has successively won awards such as "SRDI Technologically Advanced Little Giant Enterprise" from Ministry of Industry and Information Technology and Beijing Municipality, "Top 100 Enterprises in Science and Technology Innovation in Bejing, "Wu Wenjun Artificial Intelligence Technology Invention Award", and it takes the lead within the industry in terms of innovation ability and the number of patents obtained.**

Our strategic partners cover the world's well-known hardware enterprises, Internet giants, Huawei, INTEL and other world's top 100 enterprises, serving more than **20,000** **hotels/customers**, including 2022 Beijing Winter Olympic Games, National Convention Center, Jinmao Mansion, Lenovo Future Center, Marriott, Hilton, InterContinental, Accor, Hyatt, Wyndham, Ascott, Jinjiang, Home Inn, Huazhu, Adour, New Century, as well as more than **100 million** people. We have our international customers distributed in more than 40 countries and regions such as **Europe, America, South Korea, Japan, Thailand,** and we have been praised by hotel guests from all over the world.

Our hotel service robot with the largest market share in the world
We are far ahead in the industry for the total number of people serviced

500 million+ people
Cumulative number of people served

The average number of daily tasks for our robots is more than **500,000**

Our robots are employed in **more than 20,000 hotels**

Covering more than 30,000 hotels under more than 150 hotel brands worldwide

More than 110 overseas hotel brands settle in China

More than 40 countries/regions all over the world

Among more than 150 brands under the Top 8 hotel groups in China

We partner with more than 90 brands

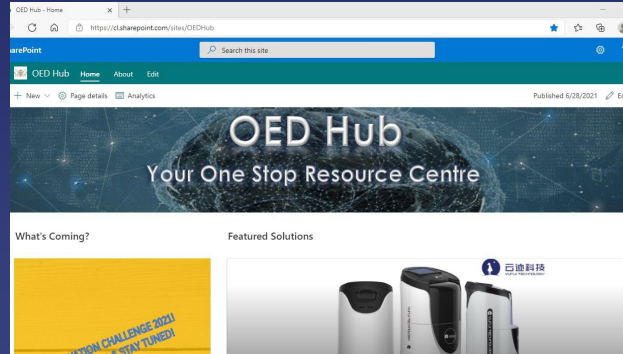Become Accor Group's (global Top 5 groups) contracted supplier
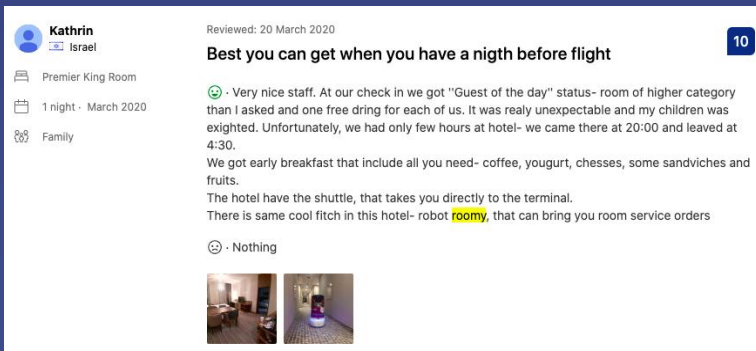

Obtain IT certification of Marriott Group

More than 40 countries/regions around the world

Make its appearance in the official website of the Louvre Group **in France**

Settle in Ascott **Singapore** Global Procurement Center

Receive good reviews from guests on international OTA platform

Featured in Japanese and Korean media reports

🇺🇸	U.S.	🇷🇺	Netherlands
🇨🇦	Canada	🇸🇦	Saudi Arabia
🇯🇵	Japan	🇹🇭	Thailand
🇰🇷	South Korea	🇸🇬	Singapore
🇦🇺	Australia	🇧🇬	Bulgaria
🇧🇩	Bangladesh	🇫🇷	France

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Enjoy great prestige abroad

International reputations

In October 2019, the company was invited by Huawei to attend the BMMF Conference in Zurich, Switzerland

In May 2020, the company was certified by Intel MRS(Market Ready Solution) and carried out cooperation with its global partners

In September 2020, the company was invited to attend the "ASIA BUSINESS INSIGHT" conference in Germany as the only technology company in Asia

In August 2020, the company was listed in "TOP 50 Enterprises of Leading Consumption in China" issued by KPMG

In November 2020, the company was listed in Top 50 Smart Companies by the MIT Technology Review

In January 2022, the company was awarded the "Excellent Partner of the World Robot Conference"

In November 2022, the company won the first prize of "2022 Science and Technology Progress Award granted by China Society of Image and Graphics"

Global grand event

In January 2020, the company supported Beijing Huoshenshan Shelter Hospital in disinfection and delivery

In February 2022, the company provided intelligent robots for the 2022 Beijing Winter Olympic and Paralympic Games for reception, guidance and delivery services

In February 2022, the company provided intelligent robots for Beijing Main Media Center (Phase II of National Convention Center) for guidance, delivery and waste removal services

Leading technology and stable operation
The overall success rate of tasks is 99.999%

Automatic warehouse replacement

The robot is able to automatically replace the upper warehouse according to the task scheduling

Automatic recharging

The robot automatically returns to the charging pile to get charged and wait for the next task after each task is completed

Autonomous elevator ride

The robot is compatible with elevators in different brands and models to realize vertical traffic within a building

Automatic phone dialing

The robot automatically makes a phone call to the room to inform the guest after arriving at the room door

Flexible obstacle avoidance

The robot is equipped with multiple sensors to perceive its surroundings and avoid pedestrians flexibly

Intelligent mapping

The robot is employed with Slam algorithm for three-dimensional autonomous positioning and mapping

Intelligent Internet of Things

The robot is able to realize intelligent IoT of gate/safety gate and other devices

Cloud service

The robot supports cloud platform dispatching management, remote upgrading, diagnosis and monitoring

The robot is competent for errands and delivery, saving manpower resources for hotels

Reduce employee turnover rate

Enable employees to release their pressure, so that their vocational happiness can be fulfilled

Competent for autonomous delivery to liberate manpower

Autonomous obstacle avoidance/elevator riding/making a phone call/interconnecting the front warehouse

Provide relevant working data

The robot retains working data to guide/optimize the operational scheduling structure
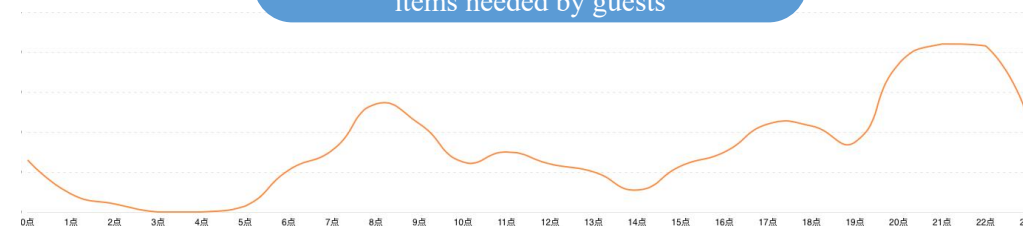
Provide standardized services

The robot is available to provide 7X24-hour continuous services without negative emotions and complaints

Time distribution of takeaway delivery by the robot

Time distribution of robots delivering items needed by guests
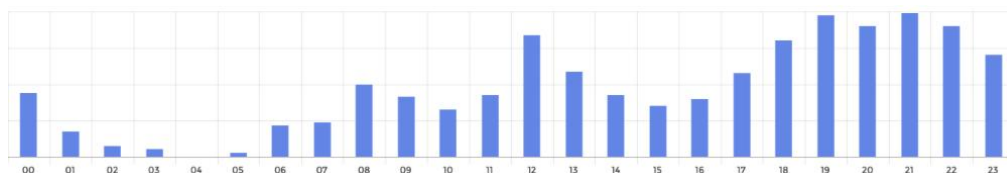
Monthly manpower release of approximately **263 hours** (data from a 350-room hotel)

Monthly manpower release of approximately **102.5 hours** (data from a 350-room hotel)

What other tasks can be assigned to a robot to complete in a hotel?

More.....

Patrol and early warning

Intelligent customer service

Aromatherapy disinfection

Automatic retailing

Food delivery

Basic training

Delivery

Cleaning of public areas

Reconstruction of structure enables the robot to use "tools"

The robot is equipped with an universal chassis and upper warehouses with different functions, so that there is no need to purchase multiple robots at high prices

- Better cost performance: 1+1 < 2
- Higher usage rate: 1+1 > 2

Reconstruction of time makes the robot generate greater value

21:00-23:00
送物（客需/外卖/快递）

23:00-2:00
巡逻安保

2:00-4:00
充电

20:00-21:00
垃圾回收

4:00-5:30
大厅及公共区域尘推

17:00-20:00
送餐

24H

分时自动执行任务

5:30-7:00
消杀&香氛

7:00-9:00
洗衣

14:00-17:00
清洁地毯

9:00-11:00
清洁地毯

12:00-14:00
送外卖

11:00-12:00
布草

New generation multi-functional service robot UP

Split design | Modular upper warehouse | Automatic warehouse replacement | Multi-functions in one machine | Saturation operation by shift in different time periods

Smart robot service corps

UP - delivery

Improved delivery efficiency brings an upgraded experience

Upper and lower dual warehouse design

With double warehouses in large capacity, the robot is able to switch model between 1 grid and 2 grids for item delivery

350° laser view

With the 350° ultra-large wide angle vision
slam algorithm is utilized to
perceive different surroundings

Camera inside the warehouse

Check whether there are high-risk items in the warehouse
and assist hotels to record robot delivery records

Young and interactive robot interface

More in line with young people's usage habits

Body shell made of ABS material

Anti-fouling and anti-collision, simple and elegant

Split mobile robot platform

With an independent power source,
the robot is able to pass slopes with a gradient of 12°

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Takeaway relay delivery by the robot more completely liberates manpower

If a robot in the hotel cannot meet the daily delivery needs, it can be equipped with a UP backup warehouse for delivery, eliminating the need to purchase another robot at a high price

Placing takeaway by the deliveryman
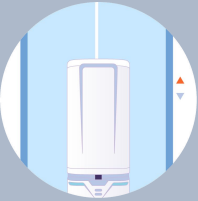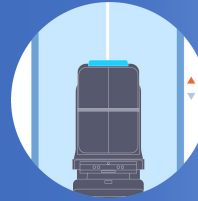
Delivery by the robot

During rush hours takeaways are piled up at the front desk
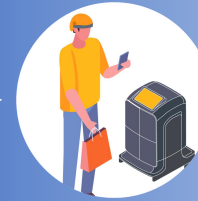
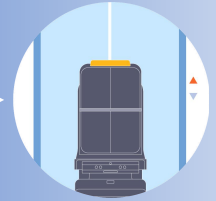and the waiter manually sends the task to the robot

Placing takeaway by the deliveryman

Delivery by the robot

During rush hours Takeaways are automatically placed in the spare warehouse

Robots carry out relay delivery

Hotel guests are dissatisfied with long waiting times for takeaways

The attendants are interrupted when they are at work during rush hours

takeaways are piled up at the front desk and affect the eye-pleasing appearance of the hotel

Realize improved efficiency in delivery at a low cost

The attendants do not need to focus on the takeaways, and they will not be interrupted while at work

Ensuring the cleanliness and beauty of the reception desk

An intelligent robot that can sings and sends blessings

The hotel can customize exclusive blessing words, so that the robot will send words to the guests when they pick up the goods. With built-in music, the robot is able to send unexpected surprises to guests during important festivals.

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41.60

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已支付

位置: 秋果酒店（成都宽窄巷子店），8201
商品: 酒鬼花生70g＊1gemez enaak小鸡干脆面30g＊1乐事薯片40g＊1百威啤酒罐装330ml＊1
备注: 请帮忙说一句: 一切都会好起来的! 谢谢

订单发货通知
3月16日

您有一笔订单已经发货, 发货人: Hero406427
订单编号: 14728998309728
下单时间: 2019-03-16 21:39
订单金额: 38.00
商品信息: 【网红同款】宁宁同款书包＊1;

位置: 6002
备注: 请播放: 送给九月小朋友

In-depth customer insights to realize their "wish list"

Happy birthday to you ......

UP - Cleaning

A cleaning robot specially designed
for the hotel environment

With dust
absorption/wet
pushing/cleaning
function in one machine

Automatic switching of
cleaning modes
for different floor
materials

Maneuverable and
flexible
and works smoothly in
small spaces

Professional
carpet cleaning design

Automatically generate
the cleaning work order
after identifying the dirt

Automatically inform
the attendants
once identifying bulky
wastes

Identification of
valuables
to prevent accidental
inhalation

The mini program
simplifies operation and
automatically generates
cleaning reports

Difficulties for hotel environment cleaning

The space is narrow and closed
Heavy workload for cleaning against the wall

The carpet covers about 80% of the total area
Carpets have high resistance and are prone to
hair loss

Major stains on carpets include
debris, hair, and dust accumulated in fluff

Pain spots for hotel cleaning management

Labor cost increases year by year
High training cost

Difficulty in recruiting housekeeping staff
Serious employee turnover

Difficult to monitor work effectiveness
and duration
Difficulty to guarantee the cleaning effect

Specially designed for hotel carpet cleaning

Disc-type sparse edge brush

Fit the edge to the maximum to clean the corners

H12 HEPA air filtration

Avoid secondary air pollution

50000rpm high-speed brushless motor

Greater air pressure and stronger suction

Carpet slapping by high-speed nylon rolling brush

Deep cleaning of sediments

Yunji's patented anti-winding roller brush shaft design

Effectively avoids hair entanglement

Work at low noise of less than 65 dB

Silent operation in public areas at night

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Powerful deep learning ability of scenarios and algorithm technology Smart cleaning is more suitable for hotel environment

The convolutional neural network algorithm based on deep learning is used to build a visual model that can detect all kinds of garbage, which is quantified into the robot through high-X compression distillation, so that the robot can recognize and understand the information in the environment

Automatically inform an attendant to clean up the bulky items

The robot can actively identify bulky garbage/items (with a size of more than 2.5CM) along the way, and take photos to notify the administrator (Housekeeping Department/housekeeping staff) to clean up/dispose of them in time.

Automatically generate cleaning task for small wastes

The robot is able to discover fine debris on the way to deliver goods, create its own cleaning task and perform cleaning independently.

Send a report of missing valuables

The robot can generate a missing report in case of identifying valuables, so that the mini program will pop up and give a reminder for item pick up and storage.

Visible daily cleaning effect/results

Real shot of the dirt inside the dust box every day after being cleaned by a robot in a hotel in Beijing

The hotel robot cleaned the dust for a week and filled a 5-liter dust bag

Feedback from hotel staff and guests

Mr. Jia, Director of Hotel Rooms:

"It does look very clean, and the guests feel comfortable looking at it."

Housekeeping staff:

"The robot is really helpful, and we don't have to clean the hallways anymore

UP- open delivery

96L large capacity | open design | flexible delivery | economical and practical

Delivery of large items

Bottled water, whole box of drinks, printing paper, multiple parcels, printing materials and other large supplies

Luggage delivery + guidance

20-inch boarding box

Critical delivery parameters

Functions:	Delivery, connection with containers, guidance and parades, greeting and reception
Dimensions:	Length 535* Width 450* height 1050mm
Dimensions inside the warehouse	Length 310* Width 310* Height 240mm/ warehouse (double-warehouse design)
Capacity:	Upper warehouse 23L Lower warehouse 23L
Load:	Upper warehouse 10kg Lower warehouse 10kg
Chassis lifting capacity:	80kg
Running speed:	0.4-1.4m/s
Narrowest passing distance:	55cm
Endurance ability:	Chassis 12h (hard floor) Upper warehouse for delivery 15h
Gradeability	12° (the upper warehouse and lower warehouse could bear a load of 10kg respectively)

Critical parameters of open delivery

Functions:	Delivery and guidance
Dimensions:	Length 540* width 450* height 800mm
Dimensions inside the warehouse	Length 383* Width 334* height 350mm
Capacity	44L
Maximum load	40kg
Running speed:	0.4-1.4m/s
Narrowest passing distance:	55CM
Endurance ability:	12H
Gradeability	12°

Critical cleaning parameters

Cleaning capacity	Cleaning items	Carpet: Vacuuming + cleaning Floor: Cleaning + vacuuming + dust pushing (dry/wet)
	Cleaning accessories	Edge brush, rolling brush, trash box, Collection bag, mop
	Maximum cleaning efficiency	300~500㎡/h
	Maximum continuous cleaning speed	1000㎡ (3h)
	Cleaning width	380mm
	Minimum passing width	60cm
	Edge cleaning ability	0 distance cleaning along the edge
	Passing slopes/over the ridge/over the gap	8°/15mm/30mm
Specification parameters	Product dimensions	700(L)*450(W)*730(H)mm³
	Volume of clear water tank	5L
	Volume of collection bag	Greater than 5.5L (available to be used for about 3-7 days)
	Dust box capacity	0.25L
	Noise	Less than 65 dB (The noise is less than 68 dB when the robot is in full-power ultra-powerful mode)
Charging time	Charging time	<4.5 h
	Battery life	Sweeping and vacuuming for 4 hours, dust pushing for 6 hours, and wet mopping for 2 hours
	Rated voltage	24V

THANKS

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