

KEENON

# KEENON ROBOTICS

KEENON Robotics Co., Ltd.

+86-400-8335-808  
global@keenon.com  
www.keenon.com

The global technology pioneer of indoor intelligent distribution

*KEENON*

**KEENON  
TWELVE YEARS**

Over 12 years of impressive knowledge and experience in developing indoor intelligent unmanned distribution robots.



## INTRODUCTION

**FOUNDED IN 2010, KEENON ROBOTICS IS A GLOBAL AWARD-WINNING TECHNOLOGY PIONEER OF INDOOR INTELLIGENT AUTONOMOUS DISTRIBUTION ROBOTS. WE ARE DEDICATED TO CREATING A SEAMLESS EVERYDAY LIFESTYLE FOR OUR END CONSUMERS THROUGH THE PRODUCTS WE CREATE.**

None of this would be possible without a sizable investment from our R&D technology team - who work daily to develop new cutting-edge hardware and software that constantly improve our range of robots.

Through these efforts, our leading autonomous robots can be found in premium restaurants, hotels, bars, and hospitals around the world.

Thanks to our team's dedication to their craft, we have received multiple prestigious awards and created important industry-leading patents. We have also assisted in the formulation of safety standards for service robots, and helped to create CR, CE, and KC certifications in the robot market.

Like our robots, we work with our clients worldwide to ensure their product satisfaction.



COMPANY MILESTONES

2010

Established company

2011-2013

Developed specialist science laboratory robot for sensitive experiments

2014

Developed the first AI restaurant robot

2015

Created the first laser guided robot

2016

RMB 10 million – Series A round funding by Yunqi Capital and Songhe Capital

Launched the G1 and G2 guiding robots

2017

Listed on the Top 100 Best Artificial Intelligence Companies

2018

Launched the T2 delivery robot

- Awards & Accolades:
- High-Tech Enterprise of the Year
  - Best Scenario Application Enterprise
  - Listed in the Top 50 Best Artificial Intelligence

2019

RMB 200 million – Series B round funding by Source Code Capital, Walden International and Vision Ventures

Expanded to over 600 cities around the world

Launched the advanced T5 and T6 delivery robots

Listed as one of the Top 100 Best Artificial Intelligence Companies

2020

RMB 100 million – Series C round funding by Alibaba and SoftBank Ventures Asia

Developed the medical distribution and M1 and M2 disinfection robots

- Awards & Accolades:
- German Red Dot Design Award for T1 Delivery Robot
  - Listed in Deloitte's China's Rising Stars
  - Listed in the Top 50 Technologies in China's Science and Technology Innovation industry
  - Founder of the company was listed as one of the 40 Business Elites Under 40 on Fortune China
  - Other respected awards

2021

USD 200 million – Series D round funding by SoftBank Vision Fund 2, Prosperity7 Venture and China Capital Investment Group

- Awards & Accolades:
- Listed in the Top 30 Products by the Cutting Edge Robotics Company
  - Most Innovative Benchmarking Enterprise by the Chinese Catering Innovation Conference
  - Other respected awards

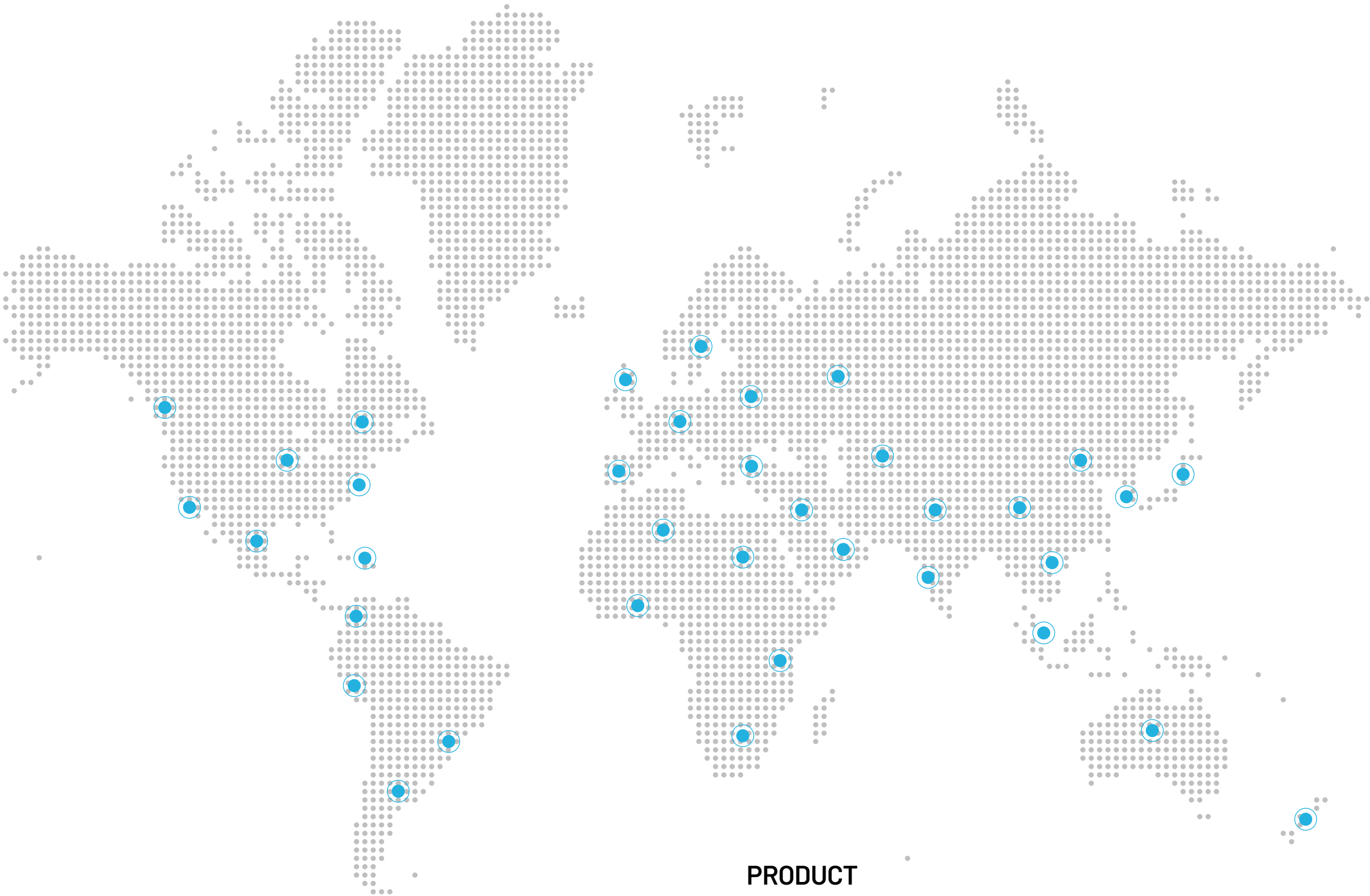
2022

Please stay tuned More to come



OUR BUSINESS AT A GLANCE

North AmericaSouth AmericaAfricaEuropeMiddle EastAsia-Pacific



COMPANY

60+

Countries worldwide

600+

Cities around the world  
using our products

290

TIMES

The total mileage  
circling the earth

PRODUCT

6 YRS

Stable working  
hours of each robot

315K +

TIMES

Daily workload

30K +

Daily active units



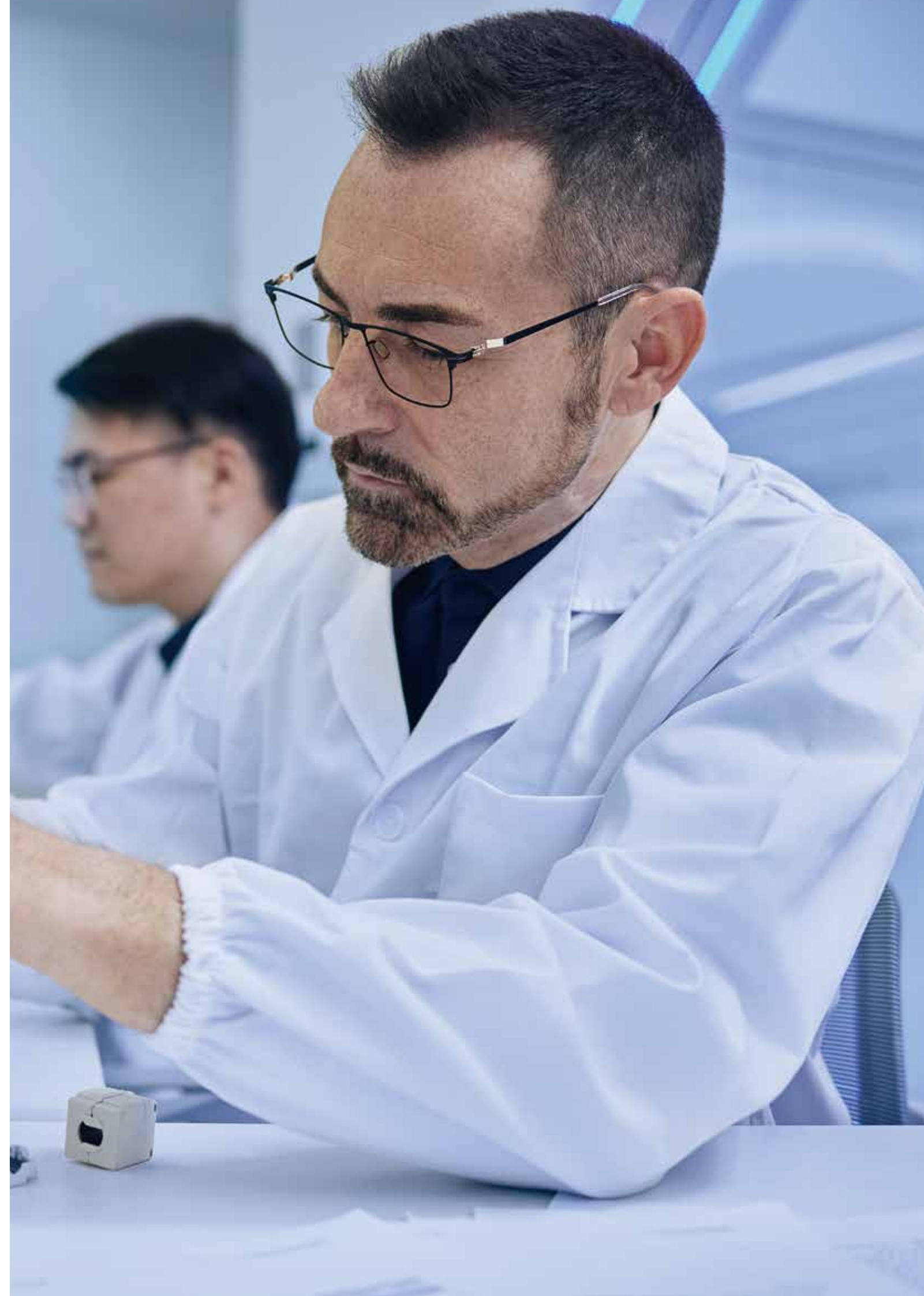


## R&D TEAM

**WE ARE PROUD OF OUR OUTSTANDING R&D TEAM FOR DEVELOPING A WIDE RANGE OF PATENTED TECHNOLOGIES THAT WE UTILIZE IN OUR PRODUCTS.**

Self-Developed Patents:

- Laser Radar Based Ranging System
- Feature Recognition Based Positioning
- Automatic Image Calibration Method of Robot
- Items Recognition of Hotel Robot
- Multimode Disinfection Method of Disinfection Robot
- Items Recognition of Delivery Robot
- Robot Taking Lift Method
- Multi-Robot Collaboration System
- Movable Robot Speed Control Method
- Signal Synchronization System
- Chassis Shock Absorption Method



DINERBOT



**DINERBOT T5**

- Adjustable Trays
- Highly adaptable
- Stable



**DINERBOT T8**

- Flexible trays with 300° rotation
- Designed to pass through narrow spaces with ease

BUTLERBOT



**BUTLERBOT W3**

- Large capacity
- Cabin can be adjusted easily
- Capable of riding the elevator autonomously

GUIDERBOT



**GUIDERBOT G2**

- Double-sided large-size HD display screen

DISINFECTION ROBOT



**DISINFECTION ROBOT M2**

- Ultra-effective spray disinfection module



**DINERBOT T6**

- Avoid obstacles in all directions
- Flexible trays
- Stable



**DINERBOT T1**

- Fast reload
- Convenient operations



**DINERBOT T2**

- Heavy duty
- Front and back door opening

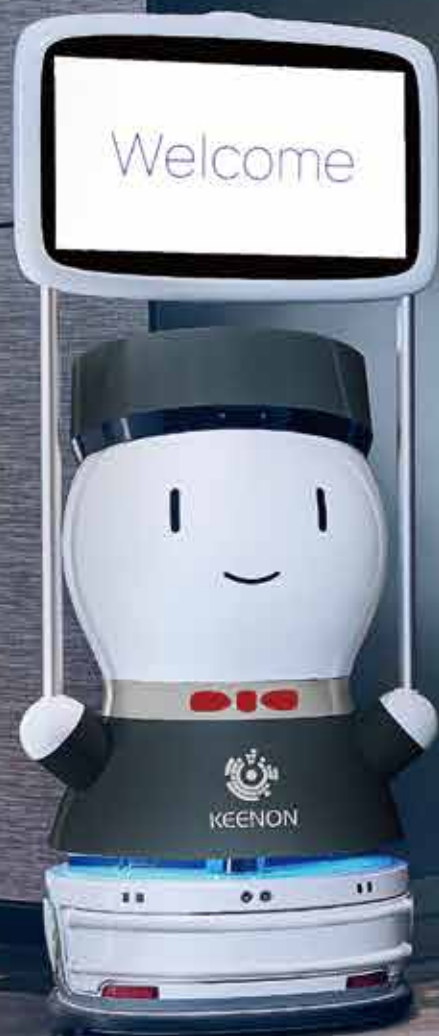


**DINERBOT T2 Pro** *COMING SOON*

- Ultimate safety design
- Induction disinfection lamp

*MORE  
TO COME*





SMART HOST FOR ALL YOUR GUESTS





#### ENGAGING

15 languages to engage with a worldwide customer base.

#### INTELLIGENCE

Multiple sensors to enable autonomous positioning and navigation.

#### SMART CHARGING

Autonomous timed or quantitative charging.

#### DOUBLE-SIDED LARGE-SIZE HD DISPLAY SCREEN

With a double-sided large-size HD display screen, G2 Guiding Robot can display any information desired, including videos and advertisements.



G2 ROBOT SIZE	600x500x1450mm
NET WEIGHT	70kg
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
DISPLAY SCREEN	21.5 inches, 1080P double-sided screen
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	≥ 7h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.









**ENGAGING**  
9 vivid expressions and 15 languages to engage with a worldwide customer base.

**MULTI-ROBOT COLLABORATION**  
Self-developed communication system allows multiple robots to smoothly communicate and complete distributed tasks together.

**SPEED LIMIT**  
Ultra-flexible regional speed limit function which adjusts the speed to best suit the environment.

**MULTI-SCENARIO USAGE**  
Easily adapt to different scenarios and avoid obstacles from all directions.

**SMART CHARGING**  
Autonomous timed or quantitative charging.

**INTELLIGENT OBSTACLE AVOIDANCE**  
· Avoid obstacles in all directions.  
· Increased robot interaction diversity and scene adaptability.



**FLEXIBLE STRUCTURE**  
Suitable for different heights of plates.



**ROBUST CHASSIS**  
· Vehicle-grade robot chassis, super-strong obstacle jumping ability and obstacle avoidance ability.  
· Adapt to various complex ground environments, smooth and safe two-way operation.

T5 ROBOT SIZE	506x502x1205mm
NET WEIGHT	55kg
LAYER SIZE	Top Layer: 490x404x188mm Other Layer: 490x404x176mm
LOAD CAPACITY	40kg (10 kg per layer)
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	12-15h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.



INTERACTIVE AND FLEXIBLE FOR A PERSONALIZED EXPERIENCE





#### SMART EXPRESSIONS

Rich expressions and 15 languages to engage with a worldwide customer base.

#### INTERACTION

Multiple interactive designs and ambient light to make delivery more interactive.

#### PRECISE POSITIONING

Independently developed synchronous localization and maps construction system (SLAM) to ensure precise positioning and movements.

#### INTELLIGENT OBSTACLE AVOIDANCE

Triple stereo vision, collision bar, and other high accuracy sensors.

#### SMART CHARGING

Autonomous timed or quantitative charging.

#### FLEXIBILITY

Designed to pass through narrow spaces with ease.



#### CONVENIENCE

300° opening, making it possible to fetch items from every angle.

T8 ROBOT SIZE	384x462x1096mm
NET WEIGHT	35kg
LAYER SIZE	383x342mm
LOAD CAPACITY	20kg (5 kg per layer with bottom layer capacity up to 10 kg)
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC25.9V,20.8Ah
BATTERY LIFE	13-16h (Label); 9-12h (Laser)

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.



DINERBOT  
T6

**INTELLIGENT SPEED LIMIT AND ENVIRONMENTAL ADAPTABILITY.**

**SPEED LIMIT**  
Ultra-flexible regional speed limit function to adjust speed that best fits the environment.

**ENGAGING**  
9 vivid expressions and 15 languages to engage with a worldwide customer base.

**SLAM TECHNOLOGY**  
Independently developed synchronous localization and maps construction system (SLAM) to ensure precise positioning and movements.

**INTELLIGENT OBSTACLE AVOIDANCE**  
Easily adapt to different scenarios and avoid obstacles smartly.

T6 ROBOT SIZE	519x531x1256mm
NET WEIGHT	52kg
LAYER SIZE	515x426x180mm
LOAD CAPACITY	35kg (10kg per layer with top Layer 5kg)
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	12-15h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.





## DINERBOT T2

### LARGER CAPACITY & MORE POWERFUL.

#### WATER-RESISTANCE

IPX5 level waterproof inner cabin and shell to prevent water, dust and oil.

#### HEAVY DUTY

Load capacity of 160L and more powerful motor configuration to handle heavy loads.

#### SAFENESS

Enclosed structure and automatic cleaning to ensure food freshness and safety.

#### CONVENIENCE

Items can be picked up easily from both sides.

#### MULTIPURPOSE

Two modes for delivery and reception to meet all your needs.

T2 ROBOT SIZE	590x470x1315mm
NET WEIGHT	75kg
LAYER SIZE	570x420x253mm
LOAD CAPACITY	40kg (10 kg per layer, with bottom layer capacity up to 20kg)
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	12-15h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.







## DINERBOT T1

**THREE-LAYER TRAY TO DELIVER AND PICK UP YOUR FOOD AT EASE.**

**ONE TOUCH TO START**

Return to starting point swiftly with just one touch after delivery.

**EASY OPERATION**

User-friendly UI touch screen.

**SMART CHARGING**

Autonomous timed or quantitative charging, assuring the robot continuously works at any time of day or night.

T1 ROBOT SIZE	499x526x1206mm
NET WEIGHT	58kg
LAYER SIZE	Top Layer: 404x355x209mm
	Middle layer: 404x355x217mm
	Bottom layer: 280x280x151mm
LOAD CAPACITY	30kg (10 kg per layer)
MAXIMUM SPEED	1.2m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	12-15h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.







BUTLERBOT  
W3



**HD TOUCH SCREEN**

Equipped with 11.6 inch large-size HD touch screen.

**ENCLOSED DELIVERY**

Enclosed and waterproof cabins to ensure delivery privacy and food safety.

**MULTI-ROBOT COLLABORATION**

Self-developed communication system allows multiple robots to smoothly communicate and complete distributed tasks together.

**LARGE CAPACITY**

Large capacity and it can deliver up to 4 rooms in one go.

**INTELLIGENT NAVIGATION**

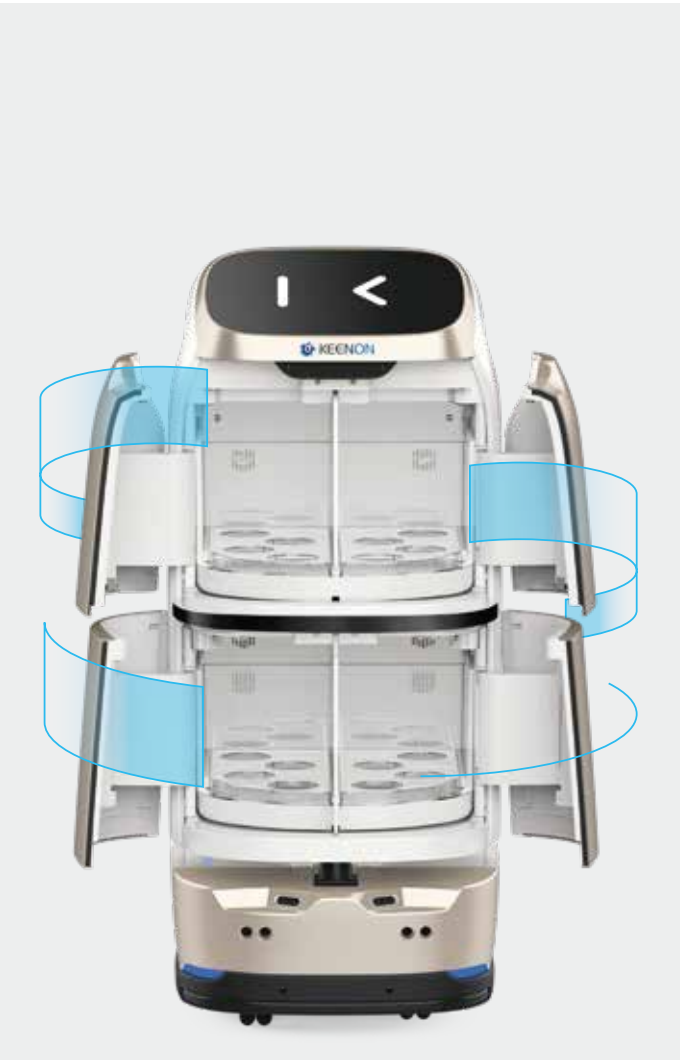
Autonomous navigation and AI technology to plan the best route and it can even take an elevator on its own.

**SMART CHARGING**

Autonomous timed or quantitative charging.

**FLEXIBILITY**

The loading capacity ensures users can easily adjust the cabin capacity according to their needs and different delivery scenarios. The cabin consists of 2 levels. Each level has 1 main storage area that can also be divided into 2.



W3 ROBOT SIZE	450x550x1080mm
NET WEIGHT	48kg
CABIN SIZE	390x385x300mm
	The 2 cabins on each level can be combined into 1;
	Autonomous door opening and closing
LOAD CAPACITY	20kg (10 kg per layer)
COLOUR	Premium Silver / Noble Gold
MAXIMUM SPEED	0.8m/s
MAXIMUM ANGLE	≤ 5°
BATTERY CAPACITY	DC 48V 12Ah
BATTERY LIFE	9-12h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.





YOUR OWN SECURITY GUARD TO KEEP YOU SAFE AND SOUND





#### 99.9999% STERILIZING RATE

The atomization speed can reach 1.5L/h with ultra-dry mist particles below 10μm, fine mist, well-distributed disinfection and no dead angle; The effect of disinfection spray meets the *Technical Specification for Disinfection*, and the sterilizing rate of bacteria in air can reach 99.9999%.

#### 200μW/cm<sup>2</sup> IRRADIATION INTENSITY

The irradiance of ultraviolet lamp meets the requirements of GB19258 and the Technical Specification for Disinfection, and the UV coverage 200μW/cm<sup>2</sup>+ (measured at 1m away).

#### LARGE CAPACITY AND LONG BATTERY LIFE

10L super-large disinfectant capacity, with long battery life, effectively solving the trouble of frequently adding liquid in the use process.

#### INTELLIGENT DUTY

The robot has the functions of low liquid level alarm, low power automatic recharging and unmanned intelligent disinfection.

#### MULTITASK MODE

Four disinfection methods and three task modes can meet the requirements of disinfection tasks in different scenes, and provide accurate disinfection solutions.

#### LASER / VISION/DEPTH VISION FUSION POSITIONING AND NAVIGATION

The new positioning and navigation technology and sensing system can adapt to the complex indoor environments and effectively avoid obstacles.

#### ACCURATE DISINFECTION SOLUTION

The robot can intelligently analyze the space area and provide accurate disinfection suggestions, and offer intelligent disinfection solutions to nonprofessionals so as to avoid the problem of over-disinfection or incomplete disinfection.



#### REGIONAL PEDESTRIAN MONITORING

When the robot is working, it will intelligently analyze the surrounding environment. When there are people walking around the robot, it will temporarily turn off the ultraviolet mode to reduce the harm of ultraviolet rays on humans.



#### CIRCULATING DISINFECTION

The mobile disinfection operation will be carried out according to the routes, and the key disinfection areas or targets can be disinfected 360°surroundingly, which accelerates disinfection efficiency and quickly disinfects the environment.

M2 ROBOT SIZE	500x500x1350mm
NET WEIGHT	60kg
UV RADIATION INTENSITY	>200μW/cm <sup>2</sup> (Measure at 1m)
SPRAY PARAMETERS	The amount of mist is 0.5-1.5L/h The spray particle size is less than 10μm
DISINFECTANT VOLUME	>10L
NUMBER OF ULTRAVIOLET LAMPS	4 sets of UV germicidal lamp with 360° surround radiation
MAXIMUM SPEED	0.8m/s
STANDBY TIME	≥ 12h

\*All battery claims depend on many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced. Battery life and charge cycles vary by use and settings.



# AFTER-SALES SERVICE

## KEENON ON-care

KEENON ON-care is an upgraded after-sales service program for our global customers, where our product experts provide you with one-stop repair and maintenance services.

- Major countries and regions around the world are equipped with localization teams to support local languages and on-site services.
- Two year warranty is provided since the robot activation.
- Robot power-on self-check with real-time report available in the cloud system.
- The team can quickly locate problems and provide solutions in a timely manner.

**For more information on ON-care please contact us at [globalservice@keenon.com](mailto:globalservice@keenon.com)**



Business Operation Center – Country/Region

U.S.	Germany
Canada	France
	U.K.
Mainland China	Italy
Hong Kong	Spain
Macao	Ireland
Taiwan	Austria
Japan	Slovenia
South Korea	Romania
Singapore	
Malaysia	Saudi Arabia
Indonesia	United Arab Emirates
Philippine	Egypt
Thailand	Qatar
Cambodia	
Vietnam	Australia
Laos	New Zealand
Myanmar	
India	
Nigeria	
Ghana	
South Africa	
Kenya	