

 **STRIVE TO BECOME THE WORLD'S  
FIRST PLATFORM FOR ROBOTS**



NATIONAL HIGH-TECH  
ENTERPRISE



WON A NUMBER OF  
PATENT CERTIFICATES



QUALITY MANAGEMENT  
SYSTEM CERTIFICATION

Hangzhou ATEAGO Technology Co., Ltd

Hangzhou Dige Technology Co., Ltd

Address: F3, Building NO.2 , Dayuan Road NO.1188, Qingshan Lake Street, Linan District,  
Hangzhou, 311305, China

# S1P CLEANER ROBOT



GLOBAL  
PLANNING



SWEEP AND DRAG  
IN ONE



MULTIFUNCTIONAL  
BASE STATION



# SUPER SELF-CLEANING ABILITY

Self-cleaning every second,  
Everywhere you go can be  
really clean



The world's first self-cleaning  
technology



## CONTENT

PRODUCT DESCRIPTION	01
INTELLIGENT BASE STATION	02
SELF-CLEANING TECHNOLOGY	03
"井" SHAPE PATH PLANNING	04
SMART APP, ONE-KEY CONTROL	05
INTELLIGENT OBSTACLE AVOIDANCE	06
SUPER CLEANING EFFICIENCY	07
STRUCTURAL PARAMETERS	08



## PRODUCT DESCRIPTION

# S1P CLEANER ROBOT



The product adopts the world's first self-cleaning technology, all-round intelligent base station, realizes automatic water exchange, dust collection, charging, mature SLAM navigation algorithm, precise navigation and positioning, laser radar + anti-drop + intelligent anti-collision and other multi-sensor fusion technologies, custom cleaning It is widely used in office buildings, cafes, hotels, restaurants and many other fields.

## INTEGRATED INTELLIGENT BASE STATION

15L large water tank, automatic water change, dust collection, automatic charging, no manual operation required.



### AUTOMATIC WATER CHANGE

Automatically replenish clean water and automatically pump out sewage



### AUTOMATIC DUST COLLECTION

Automatically pull out the garbage inside the robot



### AUTOMATIC CHARGING

Automatically return to the base station to replenish power

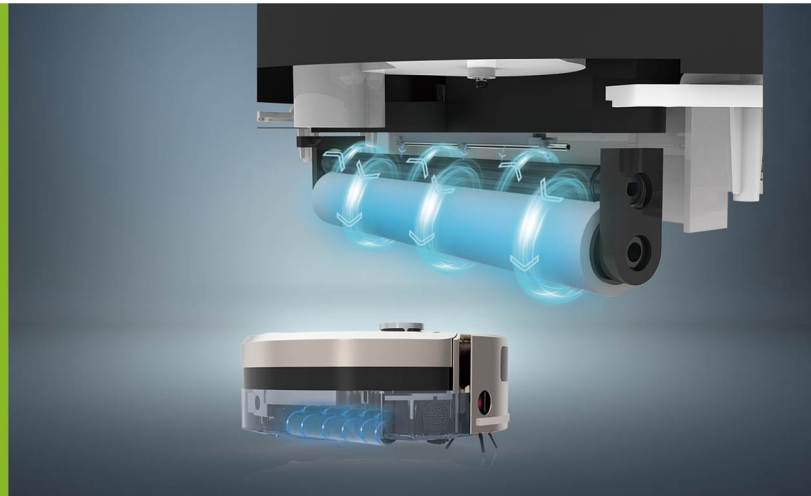
The entire water change process only takes **2 minutes**

# THE WORLD'S FIRST SELF-CLEANING TECHNOLOGY

When the robot is working, the rollers keep rolling, automatically scraping the dirt on the rollers, self-cleaning 60 times per minute, and can suck the sewage into the sewage tank to ensure no secondary pollution.

## SPECIAL POLYMER MATERIAL SPONGE ROLLER

Super water absorption ability, stubborn stains can be wiped clean, mopping will not hurt the ground



### SELF-CLEANING

Quickly clean the dirt on the sponge roller, just mop and clean



### SUPERCHARGED WET MOP

Automatic pressurization, increase the friction between the robot and the ground, and remove stubborn stains



### UV DISINFECTION

Built-in 16W disinfection UV lamp, which can disinfect the ground



Start cleaning

Secondary cleaning

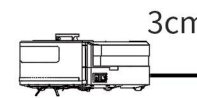


## "井" SHAPE INTELLIGENT PATH PLANNING



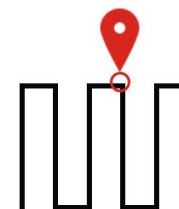
### APP ONE-CLICK LASER MAPPING

Easy to operate, the status of the robot is clear at a glance



### 3CM SAFETY DISTANCE ALONG THE WALL

Ensure a safe distance for the robot



### CONTINUE CLEANING AFTER INTERRUPTION

After the task is interrupted, it will automatically return, and the memory will be cleaned.

For key cleaning areas, secondary cleaning tasks can be set on the APP side, and the "井"-shaped finishing cleaning is cleaner and more thorough.

# SMART APP ONE-KEY CONTROL

Customize the cleaning area, automatically display the cleaning time, area, power, and the robot status at a glance



## Regular cleaning

Customize cleaning times and automate cleaning tasks



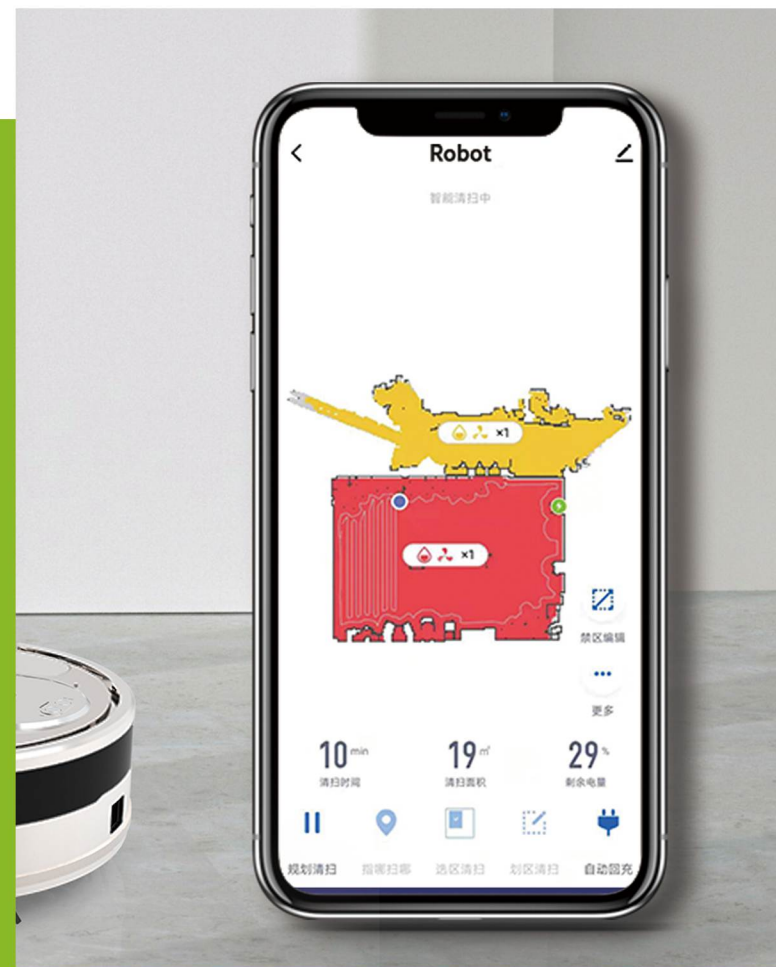
## Restricted AreaEdit

A "virtual wall" can be set up to prevent robots from entering by mistake



## Create selection

According to actual needs, customize the cleaning area, where to go, convenient and fast



Intelligent obstacle avoidance, active detour

# INTELLIGENT OBSTACLE AVOIDANCE

Lidar sensor detection, high-precision navigation and positioning, automatic obstacle avoidance, stable operation



## LIDAR

All-round perception of the surrounding situation, autonomous obstacle avoidance



## 8 METERS DETECTION DISTANCE

High-precision lidar detection  
Better mapping ability



## OPTOCOUPLER ANTI-COLLISION

After lightly touching the object, turn flexibly



## ANTI-DROP

Automatically identify steps and ground with drop to prevent falling

# SUPER CLEANING EFFICIENCY

Thoroughly clean 200 square meters in 30 minutes, can be used on different floor materials, can be used indoors with 1000 square meters, and has a wider range of applications



### 15L water tank

Built-in 1.6L clean water tank, the base station maintains clean water supply work



### Change the water every 1 hour

After working for one hour, it will automatically return to the base station to change the water

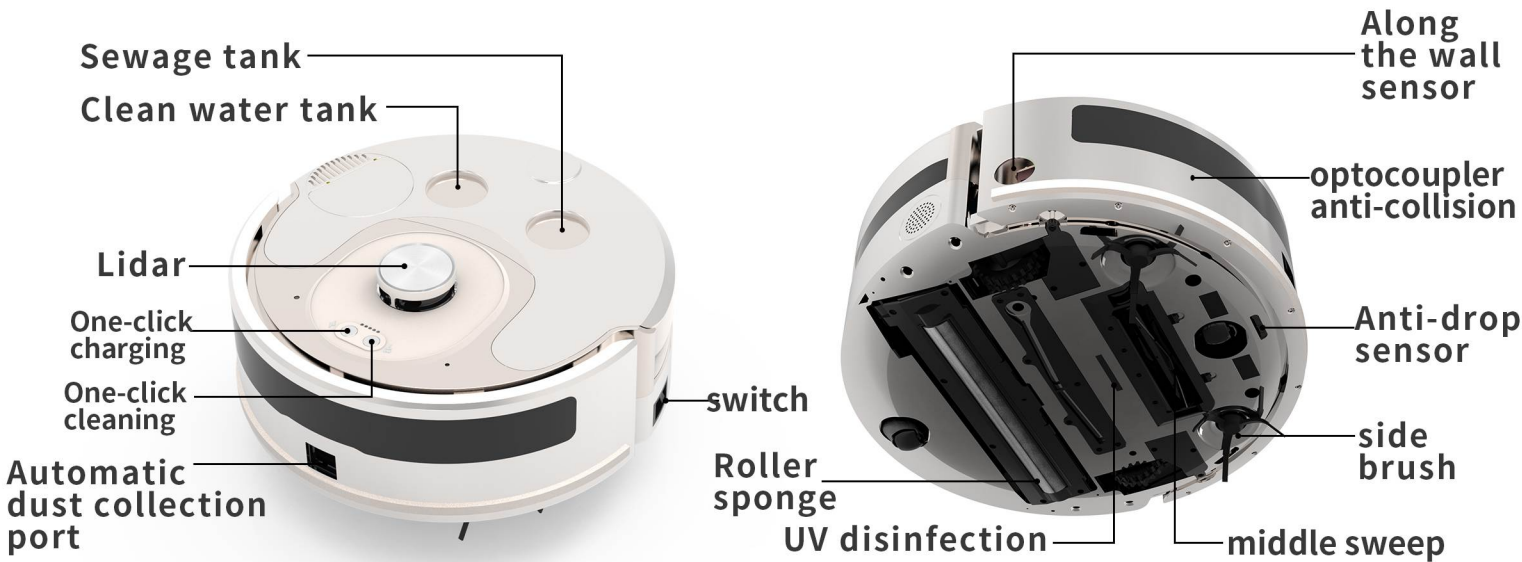


### 3h long battery life

Built-in lithium battery, battery life up to 3 hours



# STRUCTURAL PARAMETERS



## PRODUCT PARAMETERS

Fresh water tank capacity	1.6L	Anti-drop	front, left, right Anti-drop
Wastewater tank capacity	1.8L	Along the wall	3cm
Water consumption time	80 minutes	Construction area	About 1000 m <sup>2</sup>
Recovery tank full time	85 minutes	Laser distance	8 meters
Battery capacity	7.8Ah/14.8V	Rated power	30W
Charging time	4.5 hours	Maximum charging voltage	19V
Battery life	3 hours	Product Size	420*420*184mm