Cleaning Robot

Solution Introduction
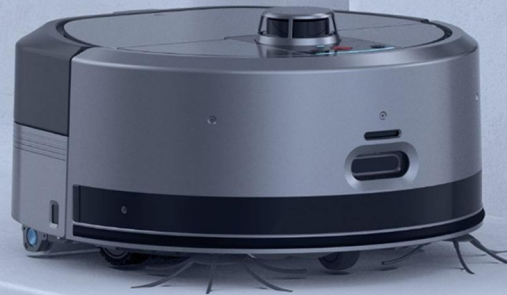
C3 PLUS

C3

MENU

Technology Introduction

Complete Machine Design Technology

01

Simulation modeling capability
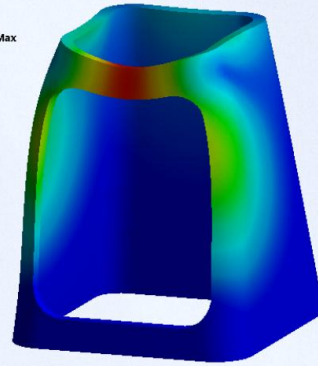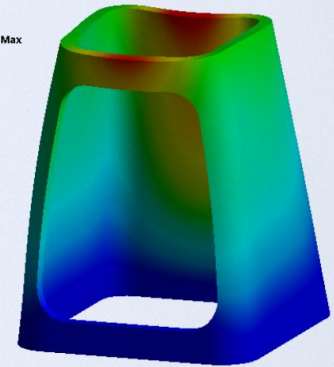
02

PCB design capability
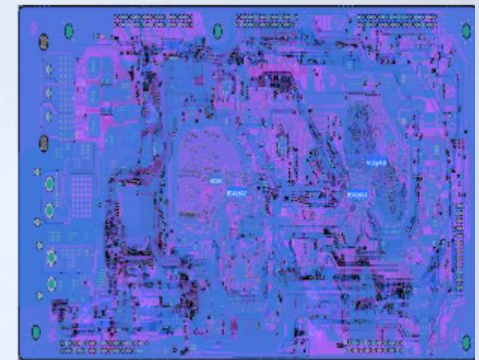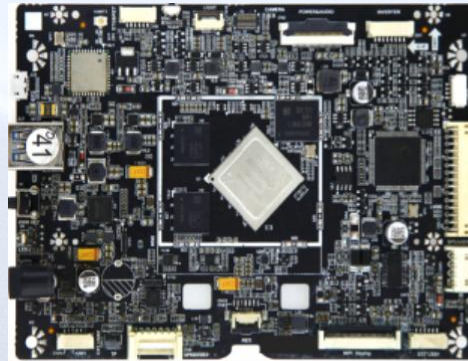
Self-Developed Navigation Technology

01 Positioning self-recovery

▶ Adaptive flipping maintenance

▶ Adaptive kidnapping and handling
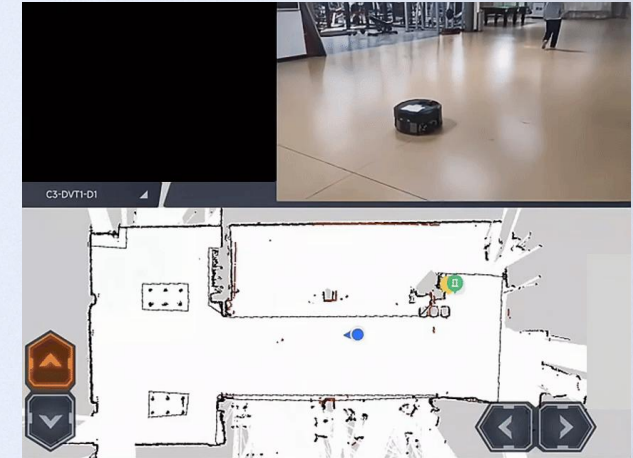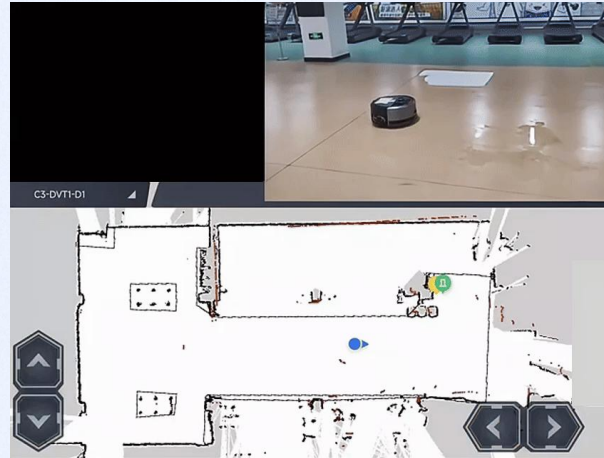
02 Actively explore cleaning

▶ Autonomous composition of unfamiliar region

▶ Autonomous cleaning of unfamiliar region
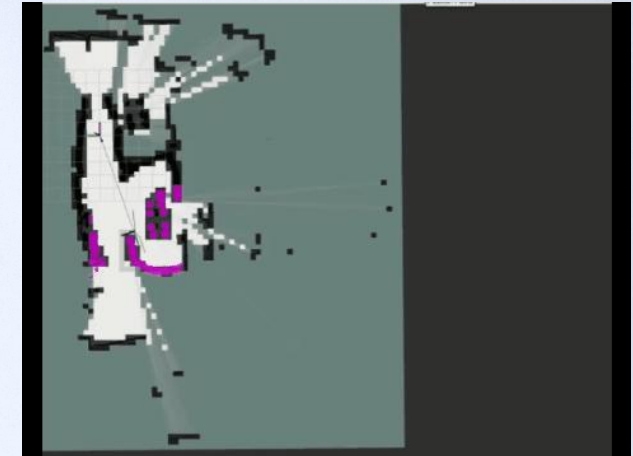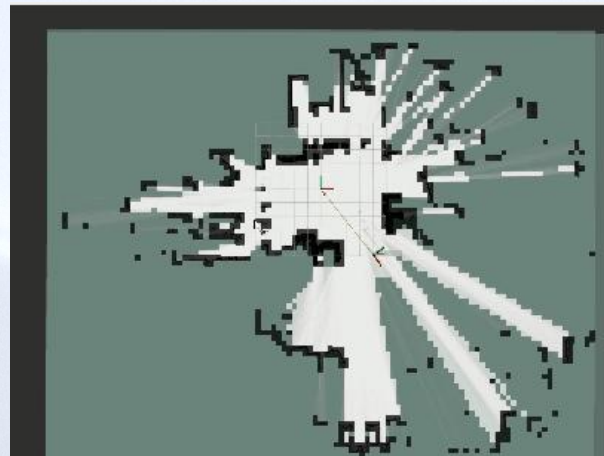
IoT Centralized Control and Equipment Linkage

01

Remote control

Cleaning Robot APP
(Support mobile phone and tablet)
(Support Android and iOS)
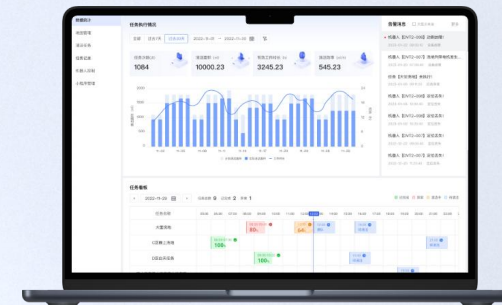
02

Cloud Management Platform

Data reporting
Multi-machine collaboration
Open API

Product Introduction

C3

Sweeping, Vacuuming and Mopping-Integrated Cleaning Robot

Applicable scenarios

Office towers, exhibition halls, hotel apartments, retail stores, supermarkets, etc.

It can work 3,600㎡ per day, which is equivalent to half a day's workload of a cleaner.

*Data source: C3 cleaning efficiency is 300㎡/h, and it can work 12 hours a day for statistics; and the workload of cleaning staff in all sampled office building scenes is investigated.

Key Features

Efficient Cleaning

Compact and Flexible

Multiple sensor perception

Silent Operation

Easy to Use

All-in-one Docking Station

Efficient Cleaning

Efficient Cleaning

Vacuuming/floor washing, auto drum lifting
auto task switching

Wash the floor with running water,
wash the roller in real time

活水
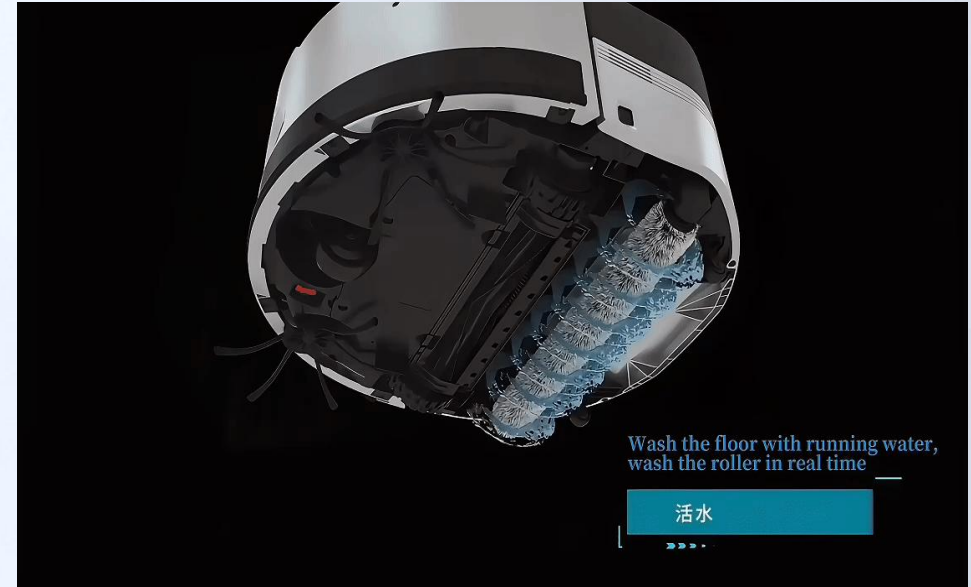
The running water is self-cleaned and
no cleaning can be achieved unless the
drum is cleaned.

Efficient Cleaning

Message Detail

报告厅静音吸尘任务

2024/08/14 11:28:58-12:20:40

Cleaning finished

Time consumption details

Total consumption time 51 min 42 s

Coverage	Corners	Other ?
35 min 24 s	14 min 33 s	1 min 45 s
Efficiency	Efficiency	
503.92 ㎡/h	361.55 ㎡/h	

Coverage

100%
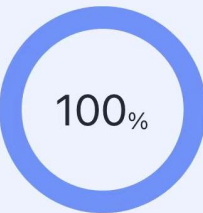
● Cleaned 384.99 ㎡

● Plan 367.98 ㎡

Message Detail

Map details

Map1 报告厅放样B7

Mode/Strength	Area
■ Vacuum/Mute	3

Task log

● End cleaning
2024-08-14 12:20:41

Compact and Flexible
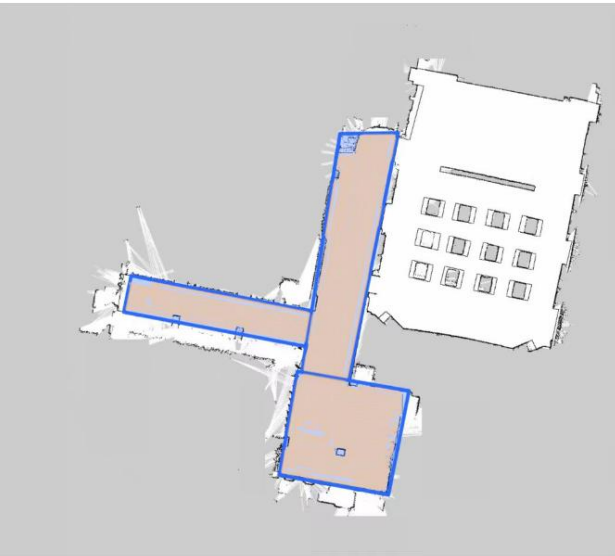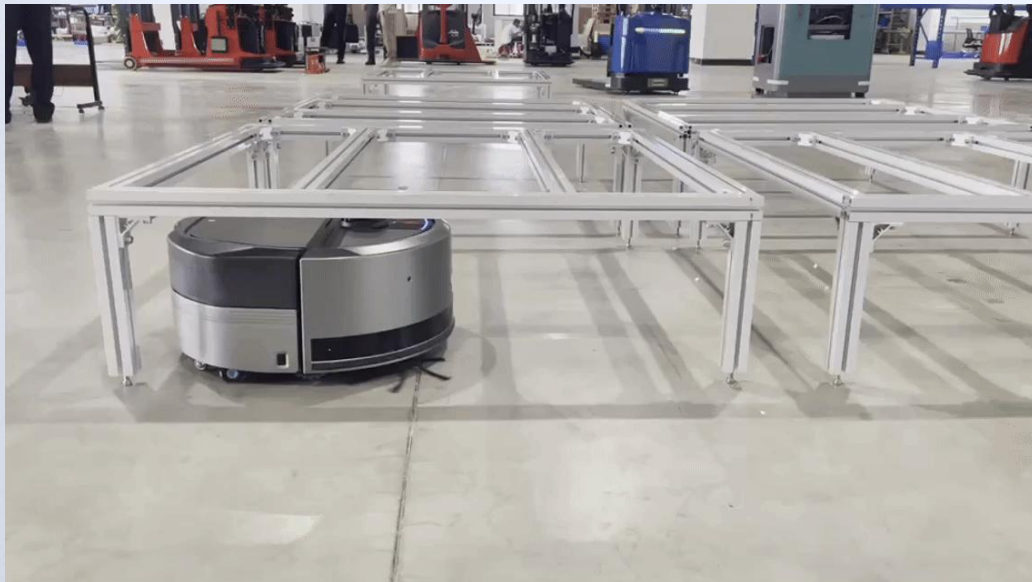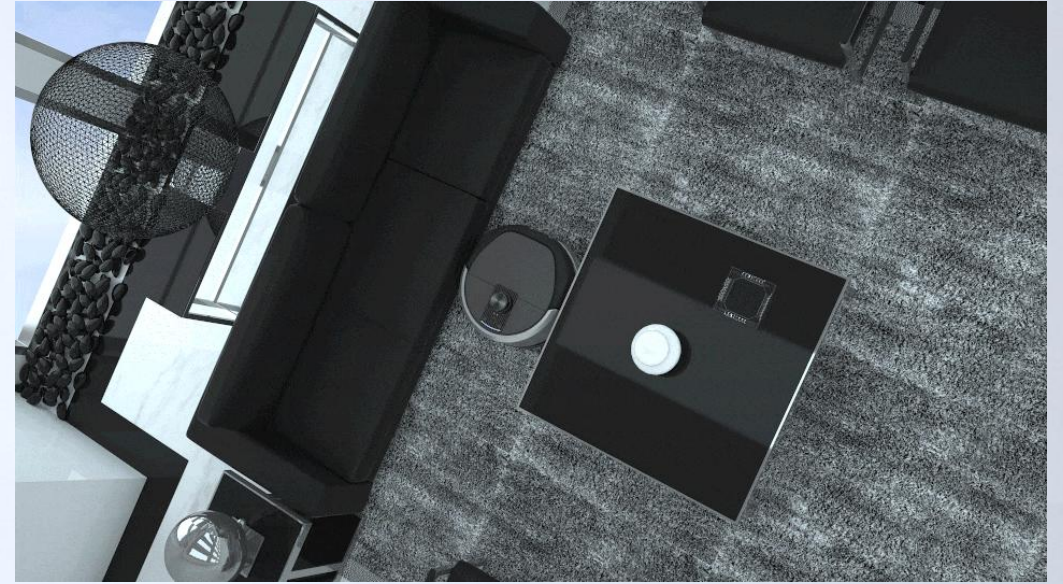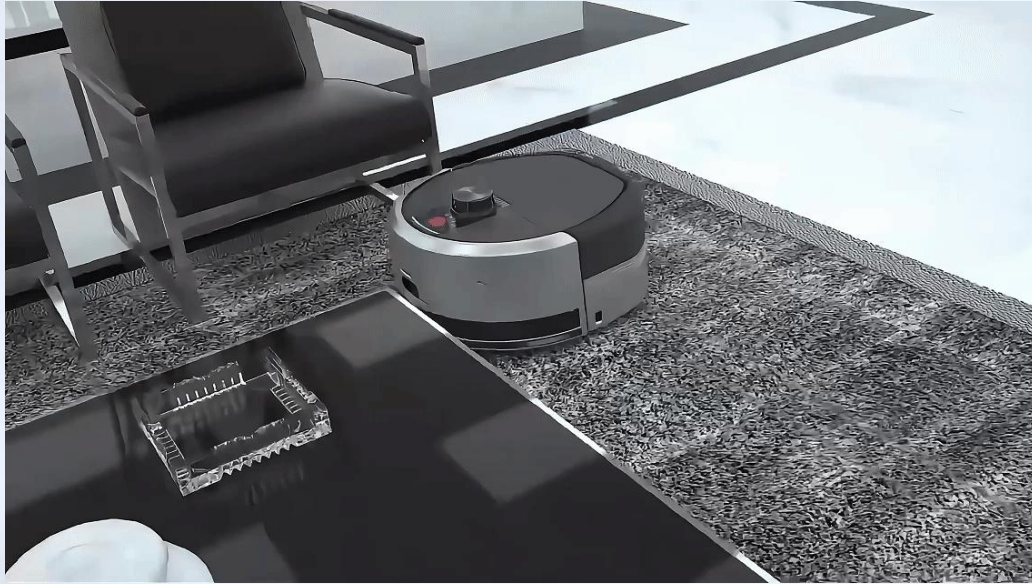
Compact and Flexible

Multiple sensor perception

Pedestrian obstacle avoidance with distance customizable

60dB Silent Operation & Multiple Pperation Modes for Various Floor Materials

01 Vacuuming   Carpet

02 Floor wash   Ceramic tile

03 Wet mop   PVC
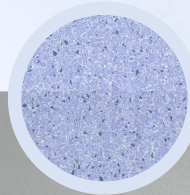
04 Dust push   Marble
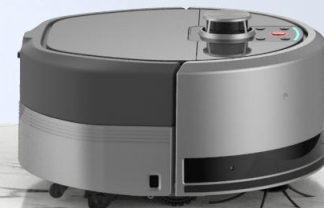
Easy to Use

01

**Clean HEPA and
the interior of dust case**

02

**Clean screw cap and
filter cup**

03

**Clean main brush and its
bottom cap**

04

**Clean roller mop and
sump tank**

Easy to Use
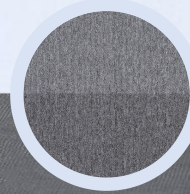
Easy to Use

All-in-one Docking Station

Auto water supply and drain

Auto add clean water and discharge sewage, with waterwheel equipped for more convenience, so the waterway is not required to be reconstructed.

Auto drying of mop

Dry rag, deodoriz and inhibite bacteria

Hardware Introduction
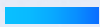
Automatic Water Refilling

Wastewater Tank Maintenance Cover

Collision Detection

Laser Radar

Control Panel

Indicator Light Strip

Ultrasonic Sensors

Line Laser Sensors

Side Brushes

Depth Camera

Hardware Introduction

Cliff Sensors

Power Switch

Carpet Sensors

Side Brushes

Drive Wheels

Main Brush

Squeegee

Auxiliary Omnidirectional Wheels

Roller Mop

Drainage Port

Hardware Introduction

Indicator

Handle

Reflective Paper

Robot Water Inlet

Robot Water Tray

Front cove

Charging Electrodes

Dust Collection Port

Drying Port

Hardware Introduction

Cleaning fluid level window

Water cart detection

Water filling port

Cleaning fluid filling port

Dust container

Drive wheel limit support tray

Drainage port
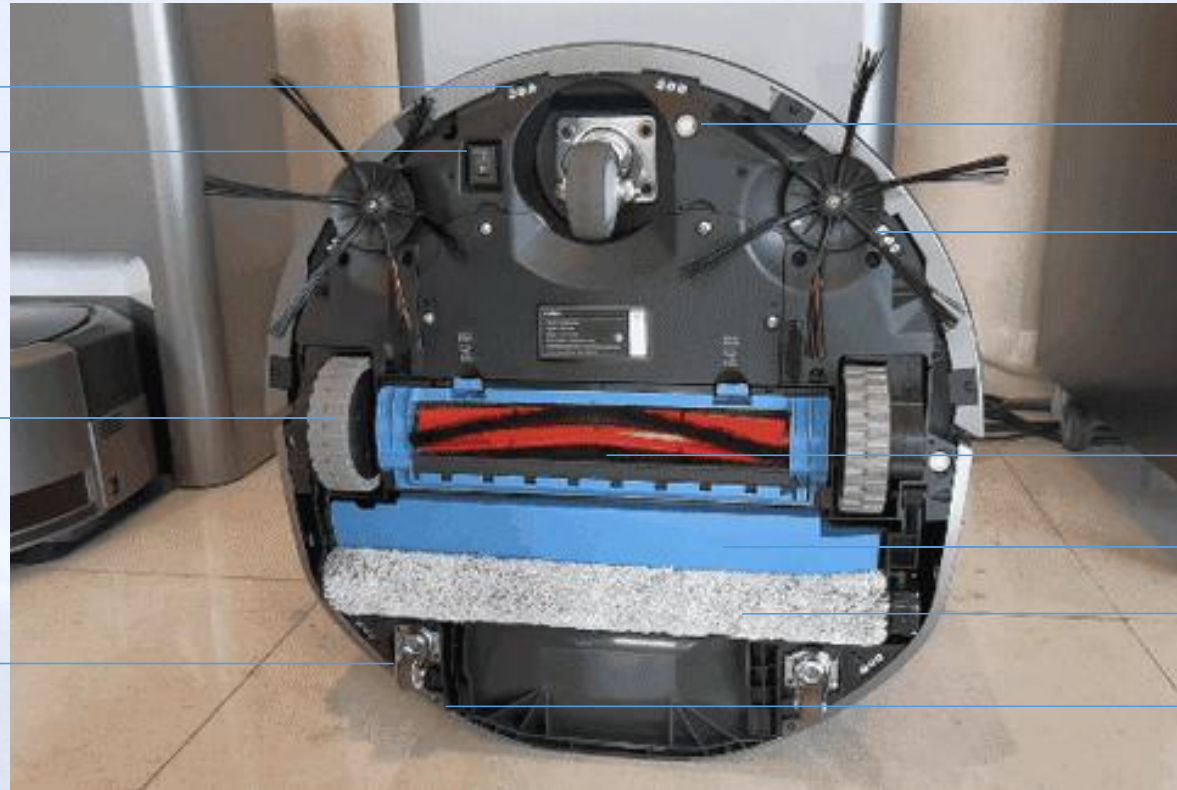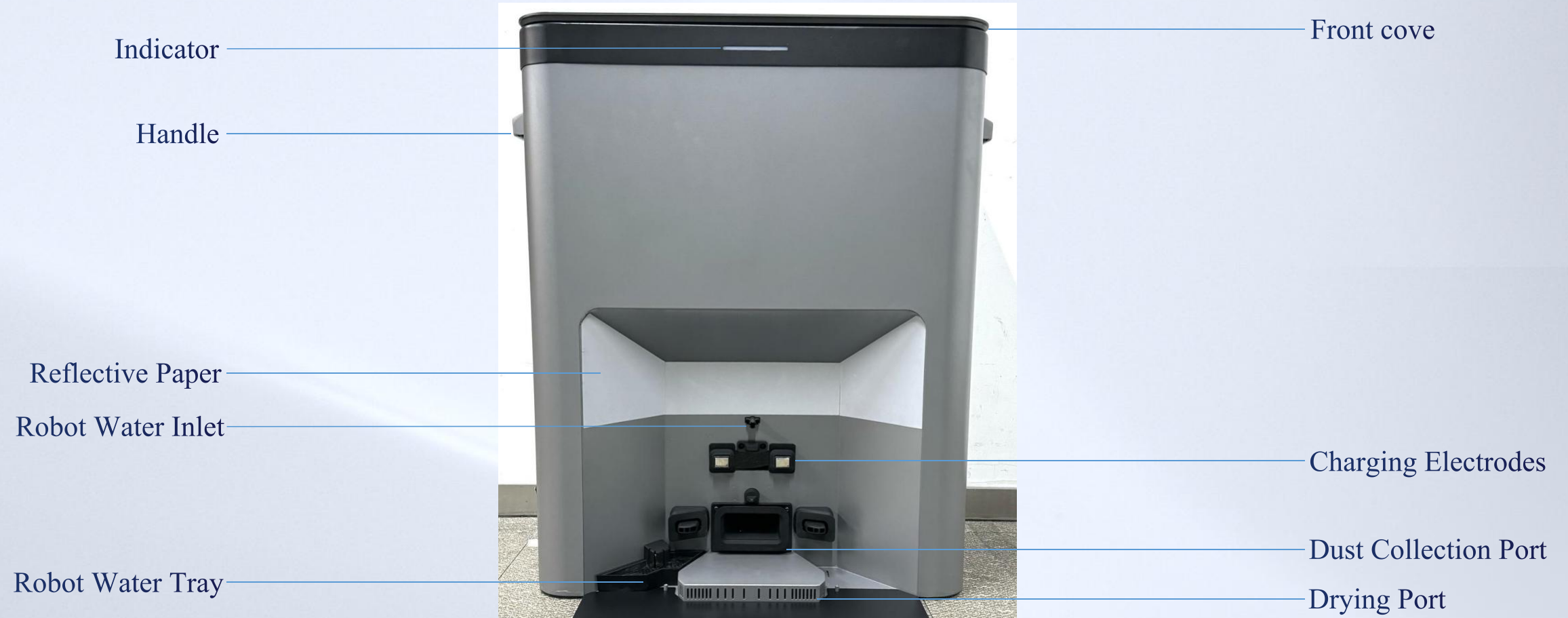
Specifications

Item		Parameter	Item		Parameter
Basic Parameters	Overall dimensions	520*510*278mm	**Mobility**	Edge cleaning ability	5cm
	Operating speed	0.4~0.6m/s		Minimum clearance height	300mm
Cleaning Capacity	Battery life	4h	**Perception Capability**	Laser radar detection range	30m, 360 ˚
	Charging time	2h		Minimum obstacle height recognition	1.5cm
	Clean water tank capacity	4L		Cliff detection	√
	Wastewater tank capacity	3.5L		Carpet detection	√
	Dust bin capacity	1.3L (Main body) 10L (Workstation)	**Others**	Noise	Silent: ≤60 dB Standard: ≤65 dB
	Cleaning efficiency	300-700m2/h	**Docking Station**	Automatic charging	√
	Mopping width	370mm		Automatic water refilling and wastewater drainage	√
Mobility	Climbing ability	10 ˚		Automatic dust collection	√
	Obstacle crossing ability	30mm		Mop drying	√

C3 PLUS

Sweeping, Vacuuming and Mopping-Integrated Cleaning Robot

From Cleaning Specialist to Environmental Specialist

Office towers, exhibition halls, hotel apartments, retail stores, supermarkets, etc.
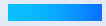
Expandable function

Large screen display interaction

Arc lamp

Sensors

Quality &Service Assurance

Product Certification

Category of Certification	Icon
CE Certification	CE
PSE Certification	PSE / TUV SÜD PSE
CB Certification	/
MIC/TELEC Certification	Ⓡ 214-230369 Ⓡ 210-230231

Battery CB safety test

Electrical safety test

Mechanical safety test

Service Assurance

Quick Response
7×24H Service Response

Warranty Service
One-year Warranty

Professional Team
Service Engineer Remote Technical Support

After-sale Management
Check the repair state any time

Remote O&M
Abnormal state Remote restoration

Auto Upgrade
Remote one-click software upgrade

THANKS