

# CLEANING ROBOTICS

—  
PRODUCT CATALOG



# CLEANING SIMPLIFIED

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# OPERATION SYSTEM

## EASY DEPLOYMENT

Mapping, editing and task creation can be done by the operator on the robot without external assistance. Deployment of an ECOBOT requires less than 1 hour at a 32292 sq ft site.

## NATURAL NAVIGATION

ECOBOT performs robustly in complicated environments. No extra assistance is needed for guiding or positioning.

## FLEXIBLE TASK COMBINATION

ECOBOT uses multiple methods to create cleaning paths: Teach & Follow, Sketch, and Real-time Auto Cover. Cleaning tasks can combine unlimited paths flexibly achieve the best results in complicated environments.

## REAL-TIME AUTO COVER

ECOBOT dynamically maps and plans cleaning paths to maximize cleaning coverages in a changing environment.

## SMART AVOIDANCE

Safety is our first priority. State -of-art AI perception technology can detect moving and static obstacles from 2 cm wide and 6 cm tall.

## RECOVERY

ECOBOT can resume previous unfinished task after interruption



# ECOBOT VACUUM 40

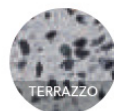


The ECOBOT Vacuum 40 is a fully autonomous vacuum robot that will remove the tedious labor of vacuuming and help companies save time and money. The Vacuum 40 can easily vacuum on both hard floor and carpet areas and return to its charging dock all by itself without human involvement. Its powerful vacuum and brush power allows the clingiest dusts on the carpet to be removed while ensuring high levels of safety during operation with advanced safety and navigation systems. Equipped with special soundproofing, Vacuum 40 is able to operate at noise levels as low as 55 dB, making it perfect for office, hotels and many other commercial environments.

## FLOOR VACUUMING EXPERT

### Applicable Environments and Floorings

Office buildings / Hotels / Banks / Hospitals / Schools / Small shopping malls / Small and medium-sized markets / Pavilions



TERRAZZO



PLASTIC FLOORING



CERAMIC



EPOXY



SILICON CARBIDE



**55dB**

Quiet operation  
as low as 55dB



**2,400 SQM**

Up to 2400 sqm cleaning  
coverage per charge



**AUTO CHARGING**

Optional charging dock  
allows self-charging  
of batteries



**3 IN 1**

Vacuuming, sweeping and  
mopping functions  
in one unit



**2 CM EDGE**

Side brush edge cleaning  
up to 2 cm

# ECOBOT VACUUM 40

## SPECIFICATIONS



### Dust bag

Super Capacity 12L



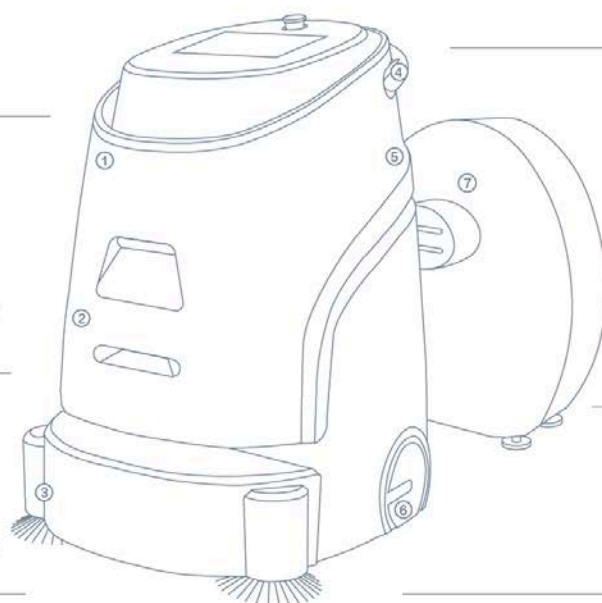
### Suction power

560W ultra powerful suction motor with max. air flow volume of 2m<sup>3</sup> per minute



### Adjustable roller brush

Adjustable roller brush to adapt to different floorings



### Dual purpose

Auto and manual mode



### Charging dock

Optional



### Hepa

The filter grade is H12



### Trash tray

Large trash tray

**Dimension:** 28 in. (L) x 22 in. (W) x 33 in. (H)

**Cleaning Width:** 28 in.

**Cleaning Efficiency:** Up to 1200 m<sup>2</sup>/h

**Batteries:** Lithium (LFP)

**Battery Capacity:** 40 Ah

**Charging Time:** Up to 2 hours

**Rated Suction Motor Power:** 200 W

**Rated Voltage:** 24 V DC

**Brush Rotation Speed:** Up to 1000 RPM

**Roller Brush Dimension:** 4\*17 in.

**Side Brush Dimension:** 7 in.

**Weight:** 176 lbs

**Maximum Vacuum Pressure:** 18 kPa

**Dust Bag Capacity:** 3 gal

**Trash Can Capacity:** 1 gal

**Sensors:** LIDAR, depth camera, ultrasonic sensor, collision bumper and anti falling sensor

**Operational Speed:** 0 ~ 2 km/h

**Noise:** 55 ~ 70 dB ( a )



# ECOBOT SCRUBBER 50



The ECOBOT Scrubber 50 requires minimal human intervention and cleans on schedule. Operators can monitor the Scrubber 50's performance and access cleaning reports through a user-friendly and interactive Fleet Management System. The Scrubber 50 can be deployed into pre-selected areas for zone cleaning. Lift integration is an option which allows the Scrubber 50 to clean multiple levels of a building autonomously. It requires as low as 2 hours every month for general maintenance and upkeep, helping to push productivity to new levels. The Scrubber 50 automatically docks itself, charges the batteries, empties and rinses the dirty water tank, and fills the clean water tank so that it is ready for its next cleaning task.

## SOLUTION TO CLEANING SMALL AND MEDIUM ENVIRONMENTS

### Applicable Environments and Floorings

Office buildings / Hotels / Hospitals / Schools / Banks / Shopping malls / Small and medium-sized markets / Manufacturing factories / Logistics parks



MARBLE



TERRAZZO



PLASTIC FLOORING



CERAMIC



EPOXY



CEMENT



### WATER SAVING

Savings of up to 2,000L\* of water every month



### 3CM EDGE

Ability to reach edges&corners to 3cm from the wall



### MANEUVERABILITY

Turning radius with minimum passing width of 90cm



### 1,200 SQM

Maximum cleaning productivity is 1200 sqm

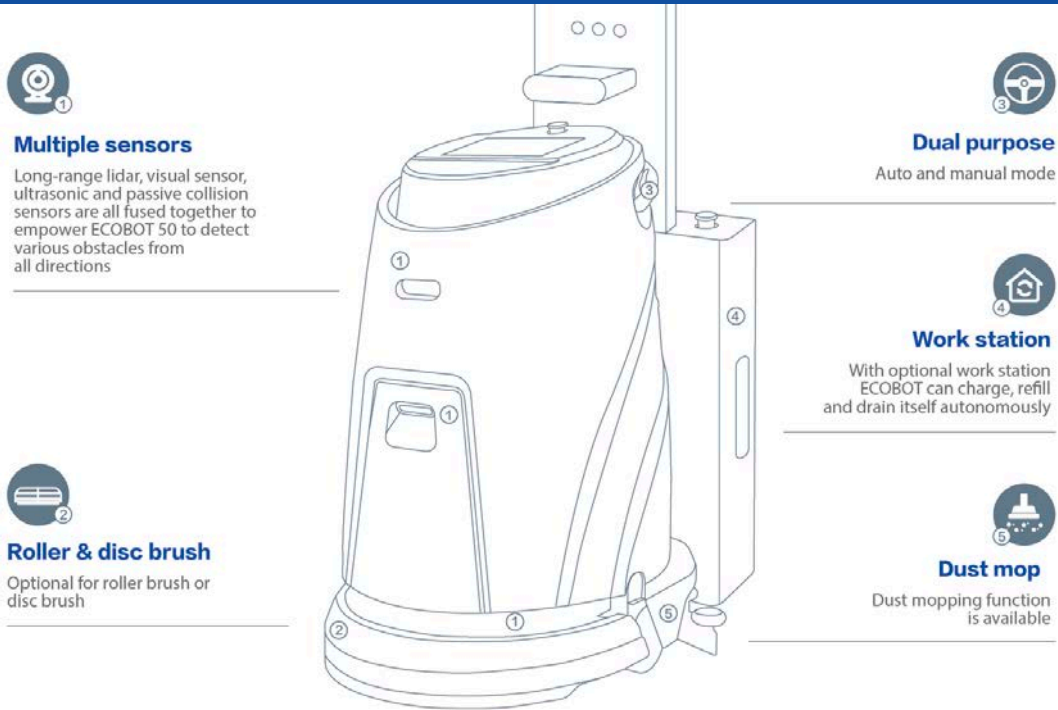


### 3 IN 1

Scrubbing, sweeping and dust mopping can be combined in one machine

# ECOBOT SCRUBBER 50

## SPECIFICATIONS



**Dimension:** 34 in. (L) X 28 in. (W) X 41 in. (H)

**Cleaning Width:** 28 in.

**Cleaning Efficiency:** Up to 1200 m<sup>2</sup>/h

**Batteries:** Lithium-ion (LFP)

**Average Run-Time:** Up to 3 hours

**Total Power:** 1000 W

**Voltage:** 24 V

**Rated Driving Motor Power:** 300 W

**Rated Brush Motor Power:** 2 x 150 W

**Brush Rotation Speed:** Up to 270 RPM

**Water Suction Motor Power:** 150 W

**Max. Vacuum Pressure:** 18 kPa

**Clean Water Tank:** 6 gal (3-Stage Filtration)

**Waste Water Tank:** 5 gal

**Gross Weight of ECOBOT:** 472 lbs

**Battery Weight:** 33 lbs

**Sensors:** LiDar, 3D camera, Ultrasonic Sensor, Air-pressure Collision Sensor, Cliff Sensor, Touch Sensor

**Operational Speed:** 0-2 mph

**Noise:** 55-70 dBA

# ECOBOT SCRUBBER 75

The ECOBOT Scrub75 is designed to operate continuously for six hours on a single power charge and one tank of water thanks to our state-of-the-art four stage filtering system that ensures clear recycled water for continuous cleaning. Designed with the input from operators of cleaning service providers with more than 100 combined years of operational experience, our user-friendly tablet interface caters to cleaning operators from diverse educational backgrounds of all levels and age-groups.

## IDEAL FOR INDOOR & OUTDOOR LARGE ENVIRONMENTS

### Applicable Environments and Floorings

Parking lots / Airports / Stations / Shopping malls / Supermarkets  
Manufacturing facilities / Logistics warehouse



MARBLE



TERRAZZO



PLASTIC  
FLOORING



CERAMIC



EPOXY



CEMENT



**3,000 SQM**

High cleaning productivity  
up to 3000 sqm per hour



**4CM EDGE**

Ability to reach edges & corners  
to 4cm from the wall



**WATER SAVING**

Savings of up to 4,000L\* of  
water every month



**6 HOURS BATTERY**

Cleans continuously for up to  
6 hours on a single charge

# ECOBOT SCRUBBER 75

## SPECIFICATIONS



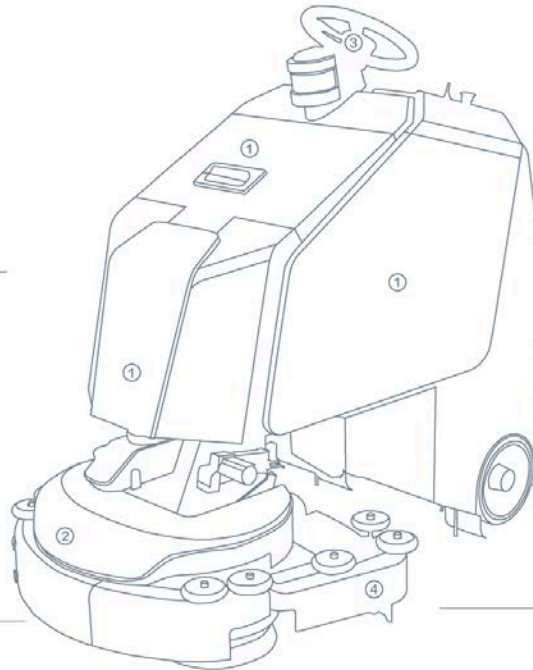
### Multiple sensors

Long-range lidar, visual sensor, ultrasonic and passive collision sensors are all fused together to empower ECOBOT 75 to detect various obstacles from all directions



### Front brush head

Front brush head rotate 270° with brush rotation speed at 270 rpm and scrubbing pressure 35kg, leaving no area uncleaned



### Dual purpose

Auto and manual mode



### Mini roller brush

Optional for light sweeping

**Dimension:** 54 in. (L) X 38 in. (W) X 58 in. (H)

**Cleaning Width:** 30 in.

**Maximum Productivity:** Up to 3000 m<sup>2</sup>/hour

**Batteries:** Lithium-ion (LFP)

**Average Run-Time:** 4-6 hours

**Maximum Output Power:** 2000 W

**Voltage:** 24 V

**Rated Driving Motor Power:** 400 W

**Rated Brush Motor Power:** 3 x 150 W

**Brush Rotation Speed:** Up to 270 RPM

**Water Suction Motor Power:** 500 W

**Gross Weight of ECOBOT:** 882 lbs

**Battery Weight:** 141 lbs

**Battery Capacity:** 240Ah

**Clean Water Tank:** 20 gal (4-Stage Filtration)

**Waste Water Tank:** 13 gal

**Safety System:** Lidar, 3D Camera, Touch Sensor (Rear Wheel), Ultrasonic sensor, Collision bumper

**Speed:** 0-3 mph

**Noise:** 55-70 dBA