

KEEP CLEAN | KEEP SAFE

AUTONOMOUS CLEANING MACHINE WITH MODULAR DISINFECTANT



Ecobot Sweep 111

Ecobot Scrub 75



Ecobot Scrub 50
with auto charging



Ecobot Sweep 40



Ecobot Sweep 40
(Cleaner Design)

Beyond Boundaries®

UMW EQUIPMENT & ENGINEERING PTE LTD 197602568D

108 International Road Singapore 629173 | Email: sales@umweepl.com.sg
Tel: +65 6265 3155 | Fax: +65 6265 8494 | www.umwequipment.com



Ecobot Scrub 50



Ecobot Scrub 50

- ✓ First of its kind to be truly autonomous
- ✓ Access to narrow aisle such as VNA application
- ✓ Able to do pivot turns

Ecobot Scrub 75

- ✓ Built for industrial environment
- ✓ Edge-to-edge and corner Cleaning
- ✓ True dual purpose



Ecobot Scrub 75

Ecobot Sweep 40



Ecobot Sweep 40

- ✓ Cleans in a single sweep
- ✓ Carpet/Floor Vacuum
- ✓ Auto-Charging Dock (Optional)

Ecobot Sweep 111

- ✓ Ultimate cleaning for both indoor and outdoor
- ✓ Auto-dumping to reduce human intervention
- ✓ Powerful vacuum that sweeps up all debris small or large



Ecobot Sweep 111

***Claim up to 80% Productivity Solutions Grant (PSG)**

(Submit your applications now at www.businessgrants.gov.sg)

Ecobot Scrub 50



Ecobot Scrub 50 & 75 With Modular Cold Fogger

- ✓ 2-in-1 Solution with modular system
- ✓ Scrub and disinfect up to 1 hour
- ✓ Perfect for office or industrial environment
- ✓ Scrub and disinfect combo.
- ✓ Up to 11m spray projection indoor.



Ecobot Scrub 75

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ECOBOT SCRUB 50



Small but mighty, SCRUB 50 is a fully autonomous cleaning robot that can automatically charge, dispense and refill all by itself.

Requires minimal human intervention

Cleans on schedule, requiring no human intervention in its cleaning operations.

Class Leading Safety Systems

Advanced sensors such as Lidar, ultrasonic and depth cameras enable the Scrub 50 to safely operate in public environments such as hospitals, malls, institutions and offices.



Obstacle Avoidance



Up to 3-Hours
LiFePO4 battery



Precise Navigation

| SPECIFICATION | |
|--------------------------------|--|
| Dimensions (mm) | 820 (L) x 700 (W) x 1100 (H) |
| Scrubbing Width | 500 mm |
| Cleaning Efficiency | Up to 1500 m2/hour |
| Batteries | Lithium-Ion |
| 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 |
| Maximum Water Suction Pressure | 8 kPa |
| Clean Water Tank | 24 L (3-Stage Filtration) |
| Waste Water Tank | 18 L |
| Gross Weight of Ecobot | 214 kg |
| Battery Weight | 15 kg |
| Safety System | Laser radar, depth camera, ultrasonic sensor, fender wheel, bumper, drop-proof |
| Speed | 0-3.6 km/hour |
| Noise | 55-70 dBA |



Maps

 100

different locations
(as large as 100,000sqm)

Saves

 6'000

Up to

 99%

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ECOBOT SCRUB 75

Revolutionizing the cleaning industry with autonomous technology, SCRUB 75 enables class-leading coverage, productivity and technology, making it one of the fastest growing robotics model globally.

Ultimate Performance

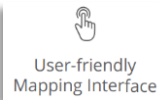
Never missing a spot or corner, it provides high quality cleaning that is also 30-50% faster and more efficient.

True Dual Purpose

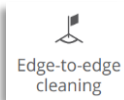
Ability to switch easily between fully autonomous operation and manual ride-on function.



3D Lidar Technology



User-friendly Mapping Interface



Edge-to-edge cleaning

SPECIFICATION

| | |
|---------------------------|--|
| Dimensions (mm) | 1370 (L) x 962 (W) x 1417 (H) |
| Scrubbing Width | 750 mm |
| Cleaning Efficiency | Up to 2500 m2/hour |
| Batteries | Lithium-ion |
| Average Run-Time | 4 to 6 hours |
| Total Power | 2000 W |
| Voltage | 24 V |
| Driving Motor Power | 400 W |
| Disc Brush Pressure | Up to 60 kg |
| Brush Rotation Speed | Up to 270 RPM |
| Water Suction Motor Power | 500 W |
| Gross Weight of ECOBOT | 450 kg |
| Battery Weight | 64 kg |
| Clean Water Tank | 75 L (4-Stage Filtration) |
| Waste Water Tank | 50 L |
| Safety System | 3D Lidar, 2D Laser, depth camera, ultrasonic sensor, electronic bumper, fender wheel |
| Speed | 0-4 km/hr |
| Noise | 55-70 dBA |



6 hours Li-ion Battery



Advanced Navigation



100,000m² Map Coverage



Alert and Report Interface



Edge to Edge Cleaning



4-stage Water Filtration

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ECOBOT SWEEP 40

Advanced Safety & Navigation System

Equipped with class-leading safety sensors and advanced AI navigation system to achieve highest cleaning productivity.

Cleans in a single sweep

Its powerful vacuum and brush power allows the clingiest dusts on the carpet to be removed in one sweep.



Cleaner



Carpet/Floor Vacuum



Auto-Charging Dock (Optional)



User-friendly Mapping Interface

| SPECIFICATION | |
|----------------------------------|--|
| Dimensions (mm) | 700 (L) x 570 (W) x 850 (H) |
| Cleaning Width | 740 mm |
| Cleaning Efficiency | Up to 1200 m2/h |
| Battery | Lithium Battery |
| Battery Life | 3 ~ 4 hours |
| Charging Time | Up to 2 hours |
| Maximum Power | 1100W |
| Rated Power of Brush Motor | 200 W |
| Rated Voltage | 24 V |
| Rotational speed of roller brush | Up to 1000 RPM |
| Main Brush Size | 90*440 mm |
| Dimension of Brush Size | 180 mm |
| Weight | 80 Kg |
| Max. Pumping Pressure | 18 kPa |
| Max. Suction | 2 m3/min |
| Dust bag capacity | 12 litre |
| Trash can capacity | 2.5 litre |
| Sensors | LIDAR, depth camera, ultrasonic sensor, collision bumper and anti falling sensor |
| Max. Gradient | 8° |
| Operational Speed | 0 ~ 2 km/h |
| Noise | 55 ~ 70 dB (a) |
| HEPA Filtration Class | H12 |

Flight Attendant



Policeman



Nurse



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ECOBOT SWEEP 111

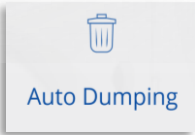
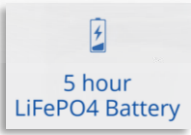
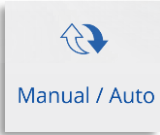
Indoor and outdoor sweeping has never been easier

Ultimate sweeper for both indoor and outdoor

Twin roller brush and a powerful vacuum sweeps up all debris large or small.

Requires minimal human intervention

Automatic disposal of bins allow for continuous sweeping and upon completion returns to start point safely every time.



SPECIFICATION

| | |
|-----------------------------------|-------------------------------|
| Dimensions (mm) | 1480 (L) x 890 (W) x 1390 (H) |
| Cleaning Width | 1100 mm |
| Efficiency | Up to 4,000 m2/h |
| Travelling Speed | 0 ~ 5 km/h |
| Operation Noise | 65 ~ 80 dB (a) |
| Battery | Lithium |
| Average Operational Time | Up to 5 hours |
| Maximum Power | 2500 W |
| Rated Voltage | 24 V |
| Rated Driving Motor Power | 800 W |
| Rated Power of Roller Brush Motor | 600 W |
| Rotational Speed of Roller Brush | 1300 RPM |
| Rated Side Brush Power | 100 W |
| Rated Power of Pumping Motor | 560 W |
| Maximum Vacuum | 600 kPa |
| Trash can capacity | 60 litre |
| Unladen Weight | 400 kg |
| HEPA Filtration Leve | H |

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ECOBOT SCRUB 50

ECOBOT SWEEP 40



Original Skin Cover



Flight Attendant



Cleaner



Policeman



Nurse

More Skin Covers

SKIN A



SKIN C



SKIN E



SKIN B



SKIN D



SKIN F



SKIN G



SKIN I



SKIN K



SKIN H



SKIN J



SKIN L



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bioSAFE
START



ECOBOT SCRUB 75



Original Skin Cover



More Skin Covers

75A



75C



75E



75B



75D



75F



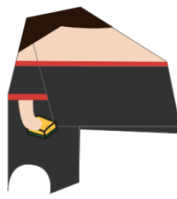
75G



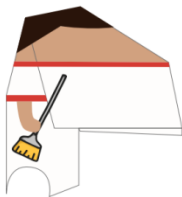
75I



75K



75H



75J



75L



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