



ECOBOTS

THE FUTURE OF AUTONOMOUS CLEANING

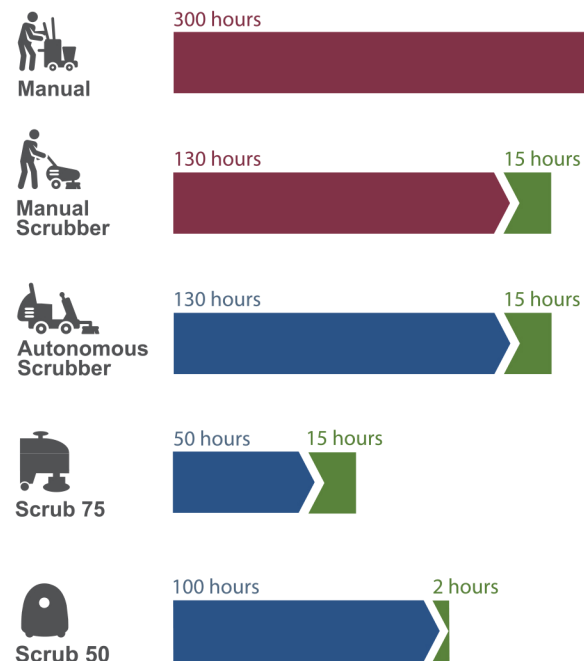


SCRUB 75



SCRUB 50

To clean 5000 sqm² daily for 1 month



Autonomous Operation
(no man-hours required)

Manual Operation
(man-hours required)

Upkeep*
(man-hours required)

*Upkeep includes refilling and disposal of water, equipment upkeep and support operations related to scrubbing.

Gaussian Robotics is one of the world's leading robotics company. Designed in close collaboration with cleaning industry experts, the ECOBOT series of robots employ class-leading technologies and are built to be a leader in autonomous cleaning.

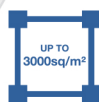


ECOBOT SCRUB 75

A CLASS ABOVE THE REST

Designed with exclusive inputs from experts in the cleaning industry, the ECOBOT Scrub 75 features industry-leading technology in obstacle avoidance and autonomous navigation. Built to be a leader in autonomous cleaning, it might be the only machine you will ever need to save cost, increase productivity and keep your premises in pristine conditions.

Class-leading performance,
cleaning up to 7 basketball courts in a hour



Your choice to operate in
auto or manual mode



Ability to reach edges &
corners up to 8cm from the wall



KEY BENEFITS

Access your robots and reports
everywhere via a cloud dashboard



Saves up to 40% water with
the 4-stage filtration system



6 hours battery operation
on a single power charge



Scrub 75 is deployed in shopping malls,
schools and airports.



SCRUB 50

ALL-NEW ECOBOT

Jointly developed with a Singapore government agency, the all-new Ecobot Scrub 50 is a fully autonomous cleaning robot that can automatically charge, dispense and refill all by itself.

Good things come in small packages



FEATURES



Auto charge



Auto fill



Auto rinse



Auto discharge



Lift integration



ECOBOTS AROUND THE WORLD



e'trend
MARKETING SDN BHD 1008054-V

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ECOBOT SCRUBBER 50

Small but mighty, SCRUBBER 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.

Lift Integration capabilities*(as option)

Dynamically routes to different levels of the building by itself, enabling 24-hour operation without human intervention.



Auto Charge



Auto Refill*



Auto Discharge*



Lift Integration*

SPECIFICATION

Maps **1000** different locations
(as large as 100,000sqm)

Saves **6'000 L** water
per month

Up to **99%** manpower
saving

Self-charging dock



Dimensions (mm)	820 (L) x 700 (W) x 1100 (H)
Scrubbing Width	500 mm (squeegee is 610 mm)
Cleaning Efficiency	Up to 1500 m ² /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	25 L (3-Stage Filtration)
Waste Water Tank	18 L
Gross Weight of Ecobot	170 kg (without water, includes battery weight)
Safety System	LIDAR, Depth Camera, Ultrasonic sensors, Anti-drop Sensors
Speed	0-4 km/hour
Noise	Up to 75 dBA

*features marked with asterisk require external devices or field installation, please contract with your local distributor to check availability in advance

ECOBOT SCRUBBER 75



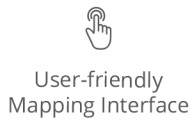
Revolutionising the cleaning industry with autonomous technology, SCRUBBER 75 enables class-leading coverage, productivity and technology, making it one of the fastest growing robotics model globally.

Ultimate Performance

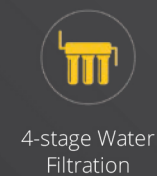
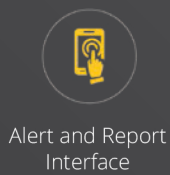
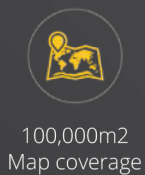
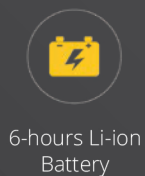
Never missing a spot or corner, it provides high quality cleaning that is also 30-50% faster and more efficient.

True Dual Purpose

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



SPECIFICATION



Dimensions (mm)	1370 (L) x 962 (W) x 1417 (H)
Scrubbing Width	750 mm
Cleaning Efficiency	Up to 3000 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
Weight (include battery)	426 kg
Clean Water Tank	75 L (4-Stage Filtration)
Waste Water Tank	50 L
Safety System	LIDAR, Ultrasonic sensors, Anti-drop Sensors, Touch Bumpers
Speed	Up to 1.1 m/s
Noise	55-75 dBA



ECOBOT Sweep 40

Vacuuming is no longer a real pain.



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.



Carpet/Floor Vacuum



Auto-Charging Dock (Optional)



User-friendly Mapping Interface

SPECIFICATION

Dimensions (mm)	650 (L) x 570 (W) x 810 (H)
Cleaning Width	570 mm
Cleaning Efficiency	up to 600 m ² /h on carpet
Battery	LiFePO4
Average Operational Time	Up to 3 hours
Rated Voltage	24 V
Maximum Power	1000 W
Rated Tandem Roller Brush Power	300 W
Rated Side Brush Power	25 W
Max. Cylindrical Brush Rotational Speed	Up to 1500 RPM
Main Brush Size	400*70 mm
Side Brush Size	2*100 mm

Rated Vacuum Power	560 W
Max. Vacuum Pressure	18.18 kPa
Max. Air Flow Volume	2.08 m ³ /min
Primary Bin Capacity	8 litre
Secondary Bin Capacity	2 litre
Sensors	LiDar, 3D Depth Camera Ultrasonic, Touch-bumper, Cliff-Sensors
Max. Gradient	8°
Operational Speed	0-2 km/h (limited)
Noise	67 dB – 75 dB
HEPA Filtration Class	H



ECOBOT Sweep 111

Trusted to automatically sweep all your worries away.

Clean in a single sweep

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

Requires minimal human intervention

Automatic disposal of bins allow for continual vacuum performance without human intervention.



Manual / Auto



4 hour
LiFePO4 Battery



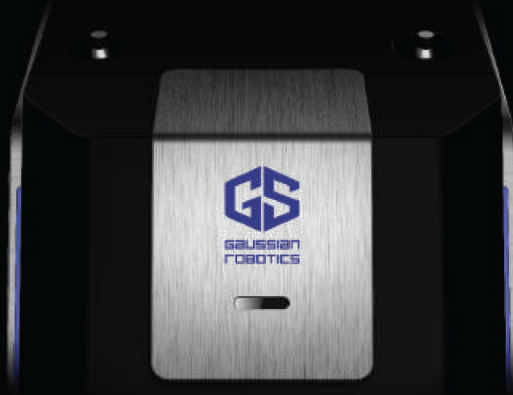
Auto Dumping

SPECIFICATION

Dimensions (mm)	1480 (L) x 890 (W) x 1290 (H)
Cleaning Width	1200 mm
Efficiency	Up to 6000 m ² /h
Max. Operational Speed	5 h/km
Max. Gradient	11.3°
Battery	LiFePO4
Average Operational Time	Up to 4 hours
Rated Power	2500 W
Rated Voltage	24 V

Rated Driving Motor Power	800 W
Rated Tandem Roller Brush Power	500 W
Tandem Roller Brush Rotational Speed	1500 RPM
Rated Side Brush Power	100 W
Side Brush Rotating Speed	110 RPM
Rated Vacuum Motor Power	115 W
Primary Bin Capacity	60 litre
Unladen Weight	400 kg
HEPA Filtration Level	H

MEET THE WORLD'S MOST ADVANCED CLEANING ROBOT



The ECOBOT Scrub75 is the best robot we have ever built.

Utilizing revolutionary Computer-Aided Design techniques, coupled with exclusive input by cleaning service providers with more than 100 combined years of operational experience, we designed the Scrub75 to be the only machine you will ever need to increase productivity, save money and keep floors in pristine condition.



Clears Humps



Corner Cleaning



Edge-to-edge Cleaning



4 Stage Water Filtration



6 hours Li-ion Battery



Self-Charging



Advanced Navigation



Autonomous Mapping



Dynamic Routing



User-friendly Interface



Cloud Support



State-of-the-Art Systems



Intel® RealSense™



Ultrasonic Sensor



40M SICK Laser



GS Control Box

TECHNICAL SPECIFICATIONS

Dimensions (MM)	1290(L) x 760(W) x 1120(H)
Scrubbing Width	747 MM
Cleaning Efficiency	3227 M ² /H
Batteries	Li-Ion
Average Run-Time	4-6 hours
Total Power	2000-2400 W
Voltage	24 V
Rated Driving Motor Power	280 W
Rated Brush Motor Power	3 X 150 W
Brush Rotation Speed	220 RPM
Rated Water Suction Motor Power	500 W
Maximum Water Suction Pressure	18.18 kPa
Clean Water Tank	65 L
Waste Water Tank	55 L
Safety System	Laser Scanner, Depth Camera
	Ultrasonic, Touch Bumpers
Speed	0-3.3 KM/H
Noise	55-70 dBA

SUPPORT



Lifetime Firmware Updates



First Year Full Warranty



Established Distributor Network

Experience ECOBOT :

www.etrend.com.my

✉ online.etrend@outlook.com

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ECOBOT
SCRUB 75





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ULTIMATE PERFORMANCE

It is no surprise that floor corners and edges are the most neglected areas when it comes to cleaning.

The ECOBOT Scrub75 is arguably the first ever cleaning robot to put a stop to incomplete cleaning once and for all. With our revolutionary Turnado technology and offset brush head design, no corner or edge will ever be lonely again.

ENGINEERED SIMPLICITY

There is nothing like cutting-edge technology made simple. 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.



CLINICAL EFFICIENCY

We know what our clients want - consistent, high quality cleaning delivered in the most efficient and productive way.

The ECOBOT Scrub75 is designed to operate continuously for six hours on a single power charge and tank of water thanks to our state-of-the-art four stage filtering system that ensures clear recycled water for that spotless clean.

AUTONOMOUS INTELLIGENCE

The best hardware is only as good as its brains. With state-of-the-art hardware and patented software programming in Simultaneous Localization and Mapping (SLAM), the ECOBOT Scrub75 is engineered by the best robotics engineers in the world to know precisely where it has cleaned and where it needs to clean.



WHAT PEOPLE ARE SAYING

The ECOBOT allowed us to cut 20% of our staffing while maintaining cleaning quality. The after-sales support from ECOBOT is also great and most issues are solved wirelessly.



William Aung
Operation Manager
Primech Services & Engrg

I love ECOBOT because it is easy to use. Just press play and it will clean all the floors including corners. I do not need to send another cleaner to do manual touch-ups!



Sheta Ramasamy
Cleaning Supervisor
Primech Services and Engrg

ECOBOT was crucial in helping our company move ahead of the competition. After reviewing the various robotic scrubbers, we decided on ECOBOT for its full cleaning coverage, ease of use by operators and the excellent after-sales support.



Felix Chen
Quality Manager
Weishen Industrial Services

