

Genobots

The World's First Real Spot-Cleaning Robot



Spot-Cleaner 50
(SP 50)

Finally a Robot That Cleans like a Professional Cleaning Service

Introducing the world's first Artificial Intelligence enabled autonomous floor-cleaning robot, much more effective and efficient than anything on the market today. Capable of detecting more than 30 different types of waste and debris with a 99% accuracy, the SP 50 can reliably and intelligently perform auto spot-cleaning thereby greatly increasing cleaning efficiency by as much as a factor of 10. No other autonomous robot can match the SP 50's performance. Worry-free robotic day-time sanitary maintenance is finally possible.



Spotless Cleaning Results 100% Guaranteed

Other robots clean an area in only a single pass, regardless of whether stubborn stains and/or waste have been removed. The SP 50 is equipped with our proprietary innovative "CRC" technology [Cleaning Result Checkup] and will repeatedly clean the same area to ensure the job is completed satisfactorily. With the SP 50, you can be sure of a complete job well done every time, all the time.

Easiest RMA in the Industry

With the SP 50's innovative modular design and our streamlined RMA process, the SP 50 offers unsurpassed post-sales service. Distributors can expect a prompt, smooth and trouble-free RMA process, with clear error code storage, easy parts replacement, and remote support.

The Highest Level of Safety

Safety is always the top design priority for the SP 50. The SP 50 has been rigorously tested at state-of-the-art facilities. The SP 50 employs advanced Nvidia Xavier AI edge computing chips and multi-channel 3D LiDAR [used in autonomous driving vehicles], to assure that the highest standards of safety are always met.

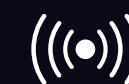


Features



Garbage Detection and Classification

More than 30 different types of waste and debris can be automatically detected and classified, with 99% accuracy.



Innovative Self-Adaptive Cleaning Technology

The SP 50 can automatically adjust its area and methods of cleaning according to the amount, size and type of waste and debris it detects, offering the only cleaning robot able to cope with changing real-life scenarios without human intervention.



<5 cm Distance From the Wall

No more human intervention is required after robot cleaning. Even the debris closest to the wall can be removed by SP 50.



Superior Robot Sensing Capability

No need to manually change the internal map in the event of any changes in the environment. The SP 50 can also automatically resume from a lost location, thus assuring a perfect match to very long corridors.



Unbeatable Efficiency Turbo-powers Your ROI

The SP 50 can work on soft/hard floors and carpets, with an unbeatable cleaning efficiency of 2100m²/hr in normal cleaning mode and 20000 m²/hr in patrol cleaning mode.

Specifications

DIMENSIONS	
Length	855 mm 33.4 in
Width	600 mm 23 in
Height	1050 mm 41 in
GVW	132 KG 291 lbs
Sweeping Width (w/ side brushes)	720 mm 28 in
Roller Brush Width	460 mm 18 in
CLEANING	
Max. Theoretical Productivity (spot cleaning)	19870 m²/hr 213880 ft²/hr
Max. Theoretical Productivity (regular cleaning)	1987 m²/hr 21388 ft²/hr
Dust Filter Bag Capacity	18 L 4.8 gal
Trash Tray Capacity	5 L 1.3 gal
Max. Suction of Vacuum Motor	25 kPa
MOVEMENT	
Max. Speed	1.2 m/s 2.68 mph
Min. Distance from Wall	<5 cm 2 in
Min. Passable Width	800 mm 31 in
Min. Turn-around Width	1200 mm 47 in
Gradeability	6°
POWER	
Battery Type	Lithium Iron Phosphate
Battery Capacity	120 Ah
Rated Voltage	24 VDC
Charging Time	4 hours
Max. Runtime (spot-cleaning)	13 hours
Max. Runtime (regular cleaning)	8 hours
SENSING	
3D LiDAR, 3D Depth Camera, Ultrasonic Sensor, Bumper Sensor	
SOUND PRESSURE LEVEL	
At least as 58 dB(A)	