CenoBots

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 about 8. 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 AI edge computing chips and multi-channel 32-beam 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 up to 1987m2/21388 ft^2 per hour in normal cleaning mode and up to 15550 m2/167379 ft^2 per hour 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)	15550 m^2 /hr | 167379 ft^2/hr
Max. Theoretical Productivity (regular cleaning)	1987 m^2 /hr | 21388 ft^2 /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	50 mm | 2 in
Min. Passable Width	800 mm | 31 in
Min. Turn-around Width	1200 mm | 47 in
Gradeability	8%

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	32-beam 3D LiDAR, 3D Depth Camera, Bumper Sensor, IMU Sensor
SOUND PRESSURE LEVEL	At least as 58 dB(A)

CONTACT US

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