

CenoBots

AI-Powered Scrubber-dryer Robot



CenoBots L50

Superior cleaning productivity and performance

The CenoBots L50 provides exceptional cleaning productivity and performance, making it an excellent cleaning partner. Equipped with a 14.5 gal/55 L water tank, and a 120Ah capacity battery, this scrubber can efficiently cover a larger surface area in less time. Its high pad pressure ensures comprehensive and effective cleanliness, making it a reliable cleaning solution for all types of cleaning tasks. With a full coverage productivity of up to 23713ft²/2203m² per hour, this scrubber is perfect for a wide range of commercial spaces, regard-less of their size.



Key Features

Built to last

The CenoBots L50 has undergone thorough testing and has been manufactured using the rotational molding process and well-trained components. As a result, it is capable of withstanding wear and tear, ensuring that it can operate reliably and durably over an extended period of time.



Human-like intelligent cleaning

The CenoBots L50 is equipped with the latest and most advanced 3D lidar technology and the most powerful AI computing chip, enabling it to achieve intelligent cleaning that is truly comparable to a human's. Furthermore, the L50 can operate at a distance of <2in/5cm from the wall and adapt its mapping to the environment, allowing it to optimize its cleaning route and increase efficiency.

High level of safety

Equipped with multiple sensors and a three-dimensional, 360-degree comprehensive safety protection system, this scrubber offers a high level of safety.

Hassle-free after sale service

Thanks to its strong mapping capabilities and advanced algorithms, the CenoBots L50 can adjust to changes in the environment without any need for human intervention. In addition, with free OTA updates, software updates can be easily performed without the need for a technician to come on-site. This convenient after-sale service ensures that the scrubber robot is always up-to-date and can provide dependable and effective cleaning solutions for its users.



Easy to maintain

The CenoBots L50 is easy to maintain, thanks to its automatic refill and drain water system, as well as its charge and discharge capabilities, which are accessible through the one-stop service docking station. Furthermore, its modular components and intuitive interior design make it very easy to perform maintenance and troubleshooting tasks.

Specifications

DIMENSIONS

Length	40.6 in 1030 mm
Width (w/o squeegee)	22.8 in 580 mm
Height	41.1in 1045 mm
Weight	485 lbs 220 kg
Cleaning Width	20 in 510 mm
Squeegee Width	33.1 in 840 mm / 30.3 in 770 mm(Optional)

CLEANING

Max. Theoretical Productivity	23713 ft ² /hr 2203 m ² /hr
Brush Pressure	55.1 lbs 25 kg
Disk Brush Speed	220 RPM
Solution Tank Capacity	14.5 gal 55 L
Recovery Tank Capacity	14.5 gal 55 L

MOVEMENT

Max. Speed	2.68 mph 1.2 m/s
Min. Distance from Wall	<2 in 50 mm
Min. Passable Width	37 in 940 mm / 35.4 in 870 mm(Optional)
Gradeability	8%

POWER

Battery Type	Lithium Iron Phosphate
Battery Capacity	120 Ah
Rated Voltage	24 VDC
Charging Time	4 hours
Max. Runtime	6 hours

SENSING

32-beam 3D LiDAR, 3D Depth Camera, Bumper Sensor , IMU Sensor

SOUND PRESSURE LEVEL

At least as 67 dB(A)

KEY COMPONENTS FOR AI

Process Chip

Nvidia AI edge computing chips with up to 32 TOPS AI performance

Mapping Sensor

3D LiDAR with 492ft/150m detection range

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