



LIONSBOT

R3 VAC

The Complete Vacuum
Solution



MADE IN SINGAPORE

R3 VAC

With its compact size and professional-grade cleaning mechanisms, the R3 Vac is a complete vacuum solution. Ideal for cleaning both carpeted and hard floors in retail malls to busy offices with tight spaces.



Watch Product
Video



Scan Me

COMPACT PRO VACUUM



High Productivity

Powered by AI technology that delivers easier, faster, smarter cleaning



Excellent Cleaning

Strong cleaning power and wide sensor coverage



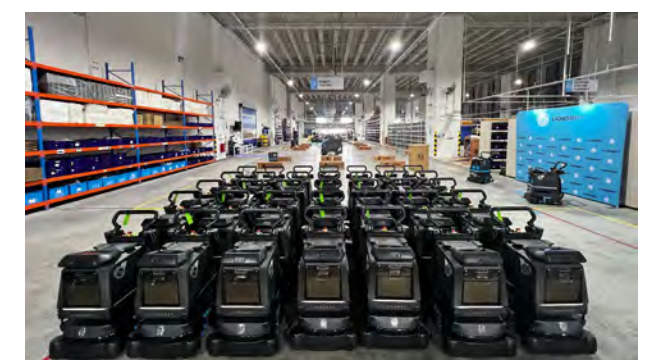
Easy To Use

Ergonomically built with easy to use setup and cleaning functions



Easy To Maintain

Tool-free 5 minutes daily maintenance



Made in Singapore Quality

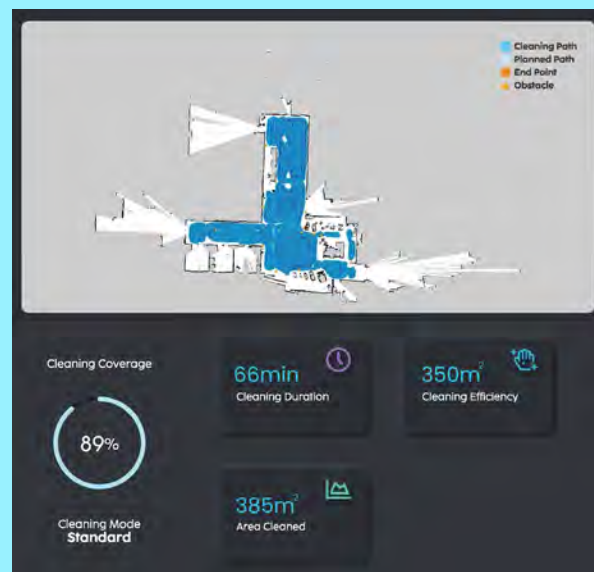
Made to last with consistent, high-built quality

Transform your productivity from

MEH



WOW



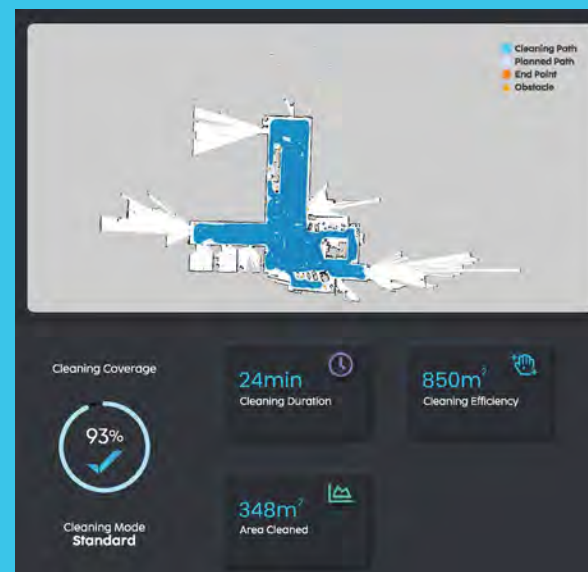
BEFORE

**66
minutes**

350m²/ 3767ft² per hour



=



AFTER ✨ AI

**24
minutes**

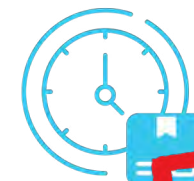
850m²/ 9149ft² per hour



x2 Efficiency

4 TOP PRODUCTIVITY KILLERS

Long Deployment Setups



SOLVED

Low Cleaning Efficiency



SOLVED

Changing Environments



SOLVED

Kickouts



SOLVED

★ AI SmartClean

Easier, Faster, Smarter.

COMPLEX



EFFORTLESS



Eliminate complex, lengthy setups with 3-step deployment

3 simple steps with no technical expertise required:

- 1) Create map using MagicTag™
- 2) Select cleaning zone
- 3) Initiate cleaning

MagicTag™



MONITOR



FREEDOM



Minimal supervision with adaptive real-time obstacle detection

- Intelligent avoidance of low-lying* objects in real-time
- Versatile in adapting to multiple changing obstacle layouts

*Low-lying objects referring to minimum 3cm in height, dependent on shape and size.

GRADUAL



TURBO



Speed up slow cleaning times for enhanced efficiency

- Increased cleaning speed in tight, small and medium spaces without compromising safety
- Cleans up to twice as fast compared to robots of similar capacity
- 300x quicker in calculating shortest cleaning route with smart path planning

SMART PATH PLANNING

Without AI		With AI
15.6 seconds		0.05 seconds
Cleaning zone	V.S	Cleaning zone
path length		path length
786m / 2577ft		658m / 2160ft

KICKOUTS



SUCCESS

**CLEANING
COMPLETE**



Complete cleaning missions consistently with self-recovery capabilities

- Ability to self-recover from minor interruptions and errors
- Confidently navigate tight spaces or changing layouts without kickouts



EXCELLENT CLEANING

Compact and agile

With its compact size and professional-grade cleaning mechanisms, the R3 Vac delivers the best clean possible for carpet or hard floors.



Compact For Tight Spaces

80cm / 31.5in wide pathways
Cleaning under 70cm / 27.6in
high furniture



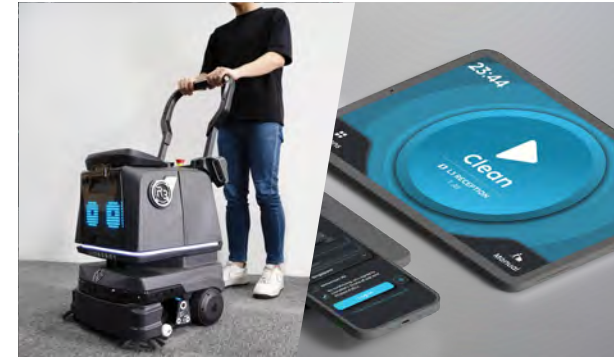
Strong Vacuum Power

Able to vacuum debris like paper bits, hair, lint and dust from carpets and hard floors



Obstacle Detection

4 depth cameras,
6 sonars, up to 25m/82ft LiDAR



Intuitive Design

Ergonomically designed with large touch screens, handlebar and user-friendly interface



Single Pass Floor Tool

With microfibre and bristle brushes for the best clean possible



H13 Hepa Air Filtration



Microfibre Dustbag



Zero-Click Cleaning with MagicTag™

Easy deployment and zero-click cleaning with this unique device



Noise Level Avg. 61.7dB

EASY TO MAINTAIN

Zero tools required

Designed for full accessibility and ease of maintenance—featuring magnetic designs, detachable hoses, and blue colour-coded touchpoints.



Magnetic Covers



Easy Access To Vacuum Motor



Removable Vacuum Hose



Easy-To-Swap Floor Tools

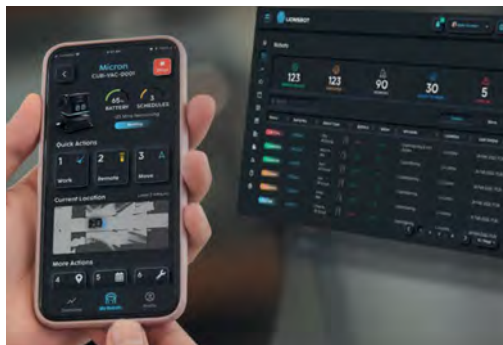


All Touchpoints Blue Colour-Coded



Accessible Dustbag And HEPA Filter

FULL CONTROL



Easy Fleet Management via LionsOS Ecosystem

- Control multiple robots across different areas
- Monitor cleaning status and maps
- Generate cleaning reports
- 24/7 operational availability via mobile app



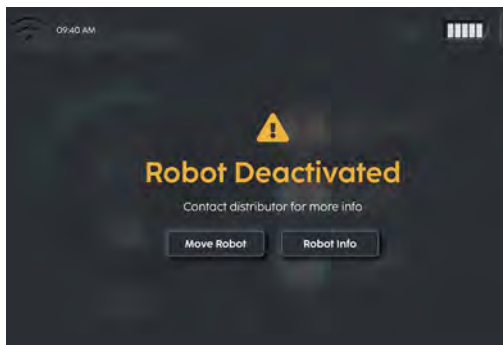
Automatic Charging Station

- Scheduled deployment
- Automatically recharges battery



Use Manual or Auto

- Used manually or autonomously
- Ease of use with ergonomic handlebars

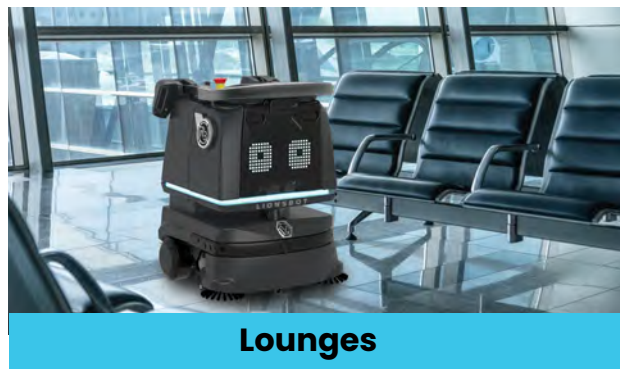


Security and Theft Prevention

- Activation controls allow remote deactivation of stolen or misused robots

WIDE INDUSTRY SOLUTION

-  Hard Surfaces
-  Thick/Thin Carpets
-  Low Noise
-  Narrow Spaces



BUILT SUSTAINABLY



Driven by our steadfast commitment to social responsibility and a cleaner future, at LionsBot we strive to innovate with products that contribute positively to our communities and the environment.

34,272,500L /
9,052,531Gal



WATER
DONATED

7,100



TREES
PLANTED



BUILT
TO LAST

*As of 2024

ABOUT LIONSBOT



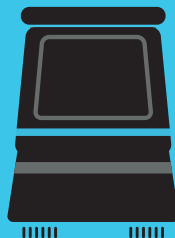

**MADE IN
SINGAPORE**

With 3 subsidiaries in **Amsterdam (The Netherlands)**,
Dallas (United States), **Chennai (India)**.

**FOUNDED IN
2018**



Full Capabilities In-house:
Design + R&D +
Manufacturing +
Service of Robots



> **3,000 Robots**
in more than
30 countries

SINGAPORE ROBOTS FACTORY



Watch Video on
Robots Factory

DETAILED SPECIFICATIONS

LENGTH	521 mm/20.5"
WIDTH	482 mm/19"
HEIGHT	655 mm/25.8"
WEIGHT	53 kg/116.8 lbs.
CLEANING WIDTH	350 mm/13.8" (w/o side brushes) 550 mm/21.7" (w/ side brushes)
VAC TANK CAPACITY	6 L/1.6 gal
MAX. CLEANING SPEED	1.0 m/s 2.2 mph
MAX. LiDAR COVERAGE	25 m/82 ft
AVG. PRACTICAL EFFICIENCY	500 - 1,000 m ² /hr 5,382 - 10,764 ft ² /hr
MAX. RUN TIME	Up to 3 hours
AVG. CHARGING TIME	2 hours
AVG. SOUND LEVEL	61.7 dB
OTHER ACCESSORIES	• Charging Station • Brushes: Bristle, Microfibre, Side Brushes • Microfibre Dust Bag • HEPA Filter • MagicTag™

AWARDS



Note: Actual performance may vary depending on environment, application and other factors.
Duration is dependent on the type of charger and battery purchased.



LIONSBOT



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