LIONSBOT

R5 TURNS ANYWHERE, CLEANS EVERYWHERE

AI-Native Autonomous Scrubber Robot

- Best-in-Class Cleaning Power for Its Size
- 360° Turn-in-Place Mobility
- AI-Native Intelligence
- Certified for Data Privacy and Sustainability

LIONSBOT R5

NIMBLE.
POWERFUL.
INTELLIGENT.

The Direct Walk-Behind Scrubber Replacement

Everything your walk-behind scrubber does — same cleaning power, same footprint — so your team can cover more ground without the physical strain.

50 L
SOLUTION TANK CAPACITY

4h 20mins
MAX RUNTIME (STANDARD)

5,000 m²
= 53,820 FT² PER CHARGE

Walk-Behind vs R5

	WALK-BEHIND SCRUBBER	LIONSBOT R5
Solution tank capacity	50 L	50 L ✓
Brush system	Single brush, interchangeable pads	Triple-brush, interchangeable pads ✓
Brush downward force	~20–25 kg	Up to 29 kg ✓
Coverage per charge	~3,500 m² / ~37,700 ft²	5,000 m² / ~53,820 ft² ✓
Max runtime	~3 hours	>4 hours ✓
Operator required	Yes	No — runs autonomously ✓
Machines per operator	1	> 1 ✓
Physical strain	High — manual operation	None ✓
Consistency of clean	Varies by operator	Consistent every run ✓

AI-Native Intelligence

Anyone can deploy it, no technical expertise needed.
Intuitive intelligence built for real-world cleaning.

360° TURN IN PLACE MOBILITY

Engineered To Never Get Stuck

Turns on the spot to navigate dead-end corners
and complex layouts — built to handle dynamic floor plans.

AI ADAPTIVEMAP

Smarter Every Shift

The R5 continuously learns your space and adapts
from each cleaning run to navigate and clean more efficiently.

AI NAVSENSE

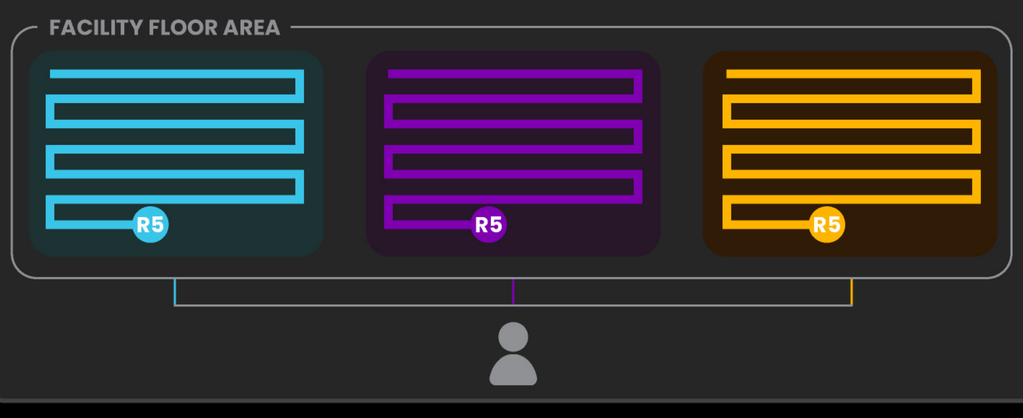
Minimal Supervision Required

Spots obstacles, finds the best way around, and gets back on
track on its own — so your team can focus on other cleaning tasks.

TEAMWORK

Multiply Your Floor Coverage

Multiple R5s work in sync, intelligently dividing the floor area to
maximise efficiency and clean large environments faster —
all managed by a single operator.



Reliable, Day After Day

DESIGNED & ENGINEERED IN SINGAPORE

>5000
ROBOTS DEPLOYED WORLDWIDE

>30
COUNTRIES

Global Quality, Data & Sustainability

Certified across data protection, privacy, and sustainability.
LionsBot meets GDPR, SOC 2, ISO 9001, ISO 14001, and ISO 45001 standards —
and is recognised by Ecovadis and EPD for its commitment to environmental responsibility.

ISO 9001 BUREAU VERITAS Certification
ISO 14001 BUREAU VERITAS Certification
ISO 45001 BUREAU VERITAS Certification

GDPR EU General Data Protection Regulation
ISO 27001 CERTIFIED COMPANY
AICPA SOC
BRONZE | Top 35% ecovadis Sustainability Rating NOV 2024
EPD INTERNATIONAL EPD SYSTEM

PERFORMANCE BY THE NUMBERS

R5 Technical Specifications

PHYSICAL DIMENSIONS

DIMENSIONS (L X W X H)
690 x 690 x 1125 mm
27.17 × 27.17 × 44.29 in

WEIGHT
200 kg
440.92 lbs

TANK CAPACITY
Solution 50 L / Recovery 42 L
13.21 gal / 11.10 gal

CLEANING WIDTH
530 mm
20.9 in

SQUEEGEE WIDTH
680 mm
26.77 in

DEBRIS FILTER CAPACITY
1.25 L
0.33 gal

CLEANING PERFORMANCE

CLEANING PRESSURE
Up to 34 g/cm²

BRUSH DOWNWARD FORCE
Up to 29 kg
63.9 lb

MAX. CLEANING SPEED
1.1 m/s
2.4 mph

AVG. CLEANING EFFICIENCY
1,300 m²/hour
14,000 ft²/hour

MAX. CLEANING EFFICIENCY
Up to 2,059 m²/hour
22,163 ft²/hour

MAX. RUN TIME
4h 20mins

MAX. COVERAGE PER CHARGE
5,000 m²
~53,820 ft²

CHARGING TIME
3.5 hours

SOUND & ENVIRONMENT

AVG. SOUND LEVEL
70 dB

FLOOR TYPE
Hard flooring

NAVIGATION

- 3D LiDAR (Optional)
- 2 Depth Cameras
- 3 RGB Cameras
- 2 2D LiDARs
- 4 Sonars
- 2 ToF Sensors

ACCESSORIES

- Brush Pads
- MagicTag™
- Charging Station
- Primothane / Linatex Squeegee Blades
- 3D LiDAR
- H13 Hepa Filter
- Refuel Station