

Sveabot V100

Designed for Heavy Duty Sweeping



High-Capacity Sweeping Specialist

From fine dust and debris to plastic bottles and fallen leaves, this sweeper conquers it all. Built with a [35 L trash bin](#) and a [700 mm sweeping width](#), it handles heavy-duty tasks with ease — making large-area cleanup faster and effortlessly efficient.



Twigs



Leaves



Bottles & Cans



Paper

Precision That Leads the Way

Powered by [RTK positioning](#) and [3D LiDAR sensing](#), the robot achieves [accuracy](#) in both [indoor](#) and [outdoor](#) environments. From open plazas to complex indoor spaces, it navigates with unmatched precision and reliability — ensuring every route is perfectly executed.



Warehouse



Factory



Plaza

Flawless Finish, Protected Space



Full Sweep

Say goodbye to dirt in corners. **Zero-Distance Edge Cleaning** reaches corners and edges with ease, leaving no blind spots and delivering a polished finish.



Agile Navigation

With its **600 mm narrow body** and **470 mm low-profile design**, it moves smoothly through tight spaces and cleans under tables and shelves.



Dust Locked

The **filter** shields the robot's interior, while the **negative-pressure** system traps dust in the bin — for a cleaner machine, fresher air, and lasting performance.

Beyond Cleaning: Extra Mode for Smarter Security

With Cleaning Mode for sweeping and **Patrol Mode** for inspection, Sveabot V100 is both a cleaner and a guardian. When idle, it patrols, captures images and uploads them to the cloud — keeping your facility spotless and secure around the clock.



Designed for Convenience

Built with the user in mind, it features a **quick-release trash bin** and **fast battery-swapping**, allowing operators to keep the robot running with minimal downtime and maximum efficiency.

Unpredictable Condition Protection

An **alert light** enhances visibility in low-light environments, while a built-in **rain sensor** triggers the robot to return to its charging station at the first sign of rain, ensuring reliable performance in unpredictable conditions.



Smart Collaboration

Paired with **Sveabot S100 Pro** or **M100E**, it offers a **complete cleaning solution** — tackling trash first, then smudges — and handles nearly every mess with seamless coordination.

Specifications

Structural Specs

Size (L × W × H)	L800 × W600 × H470 mm
Net weight	65kg (143.3 lbs)
Noise level	≤80 dB
Gradeability	12° (24%)
Obstacle Climbing Height	30 mm
Operating temperature	0-50°C
Storage Temperature	-10°C-55°C
Operating humidity	10%-95%
Power-on self-test	✓
Information panel	✓
Intelligent voice	✓
Ambient light	✓

Navigation & Safety

3D LiDAR	✓
Line LiDAR	✓
Ultrasonic sensors	✓
Depth camera	✓
Gyroscope	✓
Top vision sensor	✓
Collision detection safety edge	✓
Anti-falling cliff detection	✓
Patrol Mode	✓
Warning light	✓
Emergency stop switch	✓

Cleaning Specs

Cleaning Module	2 side brush + 1 roller brush
Cleaning width	700 mm
Max. Cleaning Efficiency (Theoretical)	Max 1000 m ² /h
Cruise Speed	0.4m/s~1.0m/s (Adjustable)
Working width	750 mm
Trash Bin Capacity	35 L (1.2 ft³)
Automatic recharge	✓
Maximum Debris Size	200 mm*200 mm*60 mm
Maximum Vacuum Level	≥0.4 Kpa
Zero turn	✓

Minimum Turning Radius	550 mm
Bin Full Sensor	✓
Accessory In-Place Detection	Yes
Dust Filter	Replaceable

Battery Specs

Battery type	Lithium Battery Pack
Charging time	≤2.5 hours
Working Hours	3-5 H (varies by cleaning levels)
Maximum Battery Charging Voltage	58.8 V
Charging Station Input Voltage	AC 100-240 V, 50/60 Hz
Charging Station Output Voltage / Current	DC 58.8V, 9.5A (max.)

Connectivity

Remote control	✓
IOT	✓
Automatic elevator ride	✓
WIFI	✓
4G-LTE	✓
OTA	✓