

S5

MODEL • AUTONOMOUS SWEEPER

From fine dust to industrial debris

Autonomous sweeping for warehouses, car parks and transport hubs, working alongside your team. Sold, deployed and serviced by Leaf Robotics.



SWEEPING WIDTH

mm

DEBRIS HOPPER

L

RUNTIME

hrs

Compact, with large-site productivity

An 820 mm sweeping width and 50 L hopper, in a footprint that passes standard 32 in doorways, narrow aisles and speed bumps.

PRODUCTIVITY

m²/h

CHARGING TIME

hrs



01	Handles mixed debris	Designed for fine dust through to wood chips, packaging film, plastic bottles, cardboard and screws.
02	Dust control	Suction motor with HEPA filtration. An automatic filter shaker helps prevent clogging.
03	Spot cleaning	Detects debris and cleans where it is needed. Cenobots states up to 4× faster than full-coverage cleaning.
04	Vehicle-aware navigation	Recognises vehicles and plans avoidance paths, and adapts to real-time changes on large sites.
05	Continuous operation	Returns to its charging station automatically. Quick-release side brushes and hopper for fast emptying.
06	TeamClean	Works with Cenobots scrubber-dryers for sweep-then-scrub cleaning.

DEBRIS THE S5 IS DESIGNED TO HANDLE • MANUFACTURER-STATED



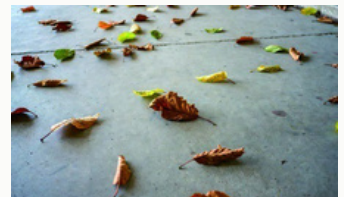
WOOD CHIPS



SCREWS



PACKAGING FILM



LEAVES

Specification

MODEL S5 • UNVERSIONED • SOURCE: CENOBOTS S5 BROCHURE, UNDATED • ALL VALUES STATED BY THE MANUFACTURER, CENOBOTS

BASIC INFORMATION

PARAMETER	VALUE
Length	1,030 mm • 40.6 in
Width (w/o side brush)	720 mm • 28.3 in
Height	990 mm • 39 in
Weight	130 kg • 287 lb
Sweeping width	820 mm • 32.3 in

CLEANING

PARAMETER	VALUE
Cleaning productivity	~2,500 m²/h • ~27,000 ft²/h
Debris hopper	50 L • 13.2 gal

MOVEMENT

PARAMETER	VALUE
Max. speed	1.4 m/s • 3.13 mph
Min. distance from wall	0 cm • 0 in
Min. passable width	810 mm • 32 in
Max. climb angle	8°

POWER

PARAMETER	VALUE
Battery type	LFP (lithium iron phosphate)
Battery capacity	75 Ah
Charging time	2 hrs
Runtime	5 to 7 hrs

KEY COMPONENTS

PARAMETER	VALUE
Core environmental sensor	32-beam 3D LiDAR, 150 m
Computing platform	NVIDIA AI chip, 100 TOPS

NAVIGATION AND SAFETY • MANUFACTURER-STATED

150 m

32-BEAM 3D LIDAR RANGE

0 cm

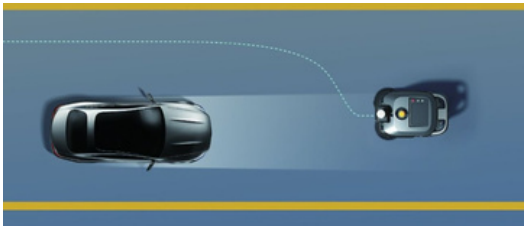
MIN. DISTANCE FROM WALL

Vehicles

RECOGNISED, WITH AVOIDANCE PATHS

8°

MAX. CLIMB ANGLE



VEHICLE RECOGNITION • RENDER

Where the S5 fits, and what it needs

WAREHOUSING Distribution centres and storage aisles.	INDUSTRIAL Factories and production floors.	CAR PARKS Multi-storey and underground parking.	TRANSPORT HUBS Stations, terminals and retail back-of-house.
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ENVIRONMENTS SUGGESTED BY CENOBOTS • SUITABILITY CONFIRMED BY LEAF ROBOTICS SITE SURVEY BEFORE DEPLOYMENT

CONSTRAINTS

- Minimum passable width of 810 mm and maximum climb angle of 8° (manufacturer-stated).
- Automatic return-to-charge needs the CS5 charging station.
- Sweeping only: pair with a Cenobots scrubber-dryer where floors also need wet cleaning.
- Floor types and other site limits to be confirmed by Leaf Robotics survey.



WAREHOUSE • RENDER



DISTRIBUTION WAREHOUSE •
RENDER



BOTTLES AND PACKAGING

Book a site demo

Leaf Robotics is your single contact for site survey, deployment, training and service.

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[Book a site demo](#)

Leaf
ROBOTICS

TECHNOLOGY BY CENOBOTS

MANUFACTURER

Cenobots

The S5 is designed and manufactured by Cenobots. Product marks shown are Cenobots'. Sold, deployed and serviced by Leaf Robotics, a division of Leaf Hygiene.