

ROBOTIX MARKET

SERIES BROCHURE
2026 edition

PUDU ROBOTICS · AI ROBOTIC
SWEEPERS · ROBOTIX MARKET

MT1 Series

**MT1, MT1 Vac and MT1 Max —
AI-powered robotic
sweepers for warehouses,
factories, car parks and large
venues**

One platform, three specialists: the indoor sweeper, the sweeper-vacuum for carpet and hard floors, and the 3D-perception model for car parks and semi-outdoor areas.



Available worldwide from Robotix Market
robotixmarket.com

Three sweepers, one AI cleaning platform

The PUDU MT1 series is Pudu Robotics' family of AI-powered robotic sweepers for large floors. All three share the same 840 × 600 mm chassis, dual-disc brushes on a 70 cm path, AI trash recognition and spot cleaning, LiDAR and visual navigation and 24/7 operation with automatic docking. They differ in what they clean and where: MT1 sweeps large indoor venues, MT1 Vac adds vacuuming and dust-mopping for carpet and hard floors, and MT1 Max adds 3D LiDAR, IP54 sealing and vehicle awareness for car parks and semi-outdoor areas.

Dual-disc brushes on a 70 cm path

Two sweeping brushes clear edge to edge on every model: from fine dust to leaves and bottles on the MT1 and MT1 Max, plus a 55 cm suction path for embedded dirt on the MT1 Vac.

Built for big venues

MT1 and MT1 Max are designed for areas up to 100,000 m², with a 35 L bin and an optional auto-empty station; the MT1 Vac separates 6 L of trash from 14 L of dust for long runs on carpet and hard floor.

Runs around the clock

Fast charging and automatic docking or a charging station on every model for 24/7 operation; the MT1 fits three full charge cycles into a day.

AI that finds the trash

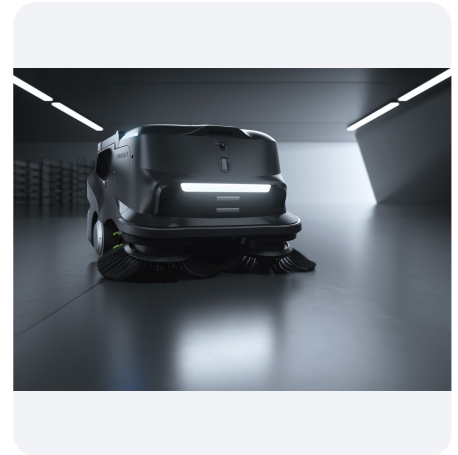
AI vision detects litter on routine patrols and spot cleaning goes straight to it on all three models — PUDU rates the MT1 at up to five times the efficiency of a blanket pass.

Adapts to a changing floor

LiDAR SLAM and VSLAM positioning with three RGBD depth cameras and multi-sensor fusion on every model; the MT1 Max adds 3D LiDAR and vehicle avoidance.

Easy to live with

PUDU Link management and elevator and e-gate integration on all three; quick-release modules with tool-free swaps on the MT1 and MT1 Vac, and an extendable steering handle on the MT1.


70 cm

CLEANING PATH

7,000

 M²/H SPOT
CLEANING (MAX)

100,000

 M² PER SITE (MT1,
MAX)

35 L

 TRASH BIN (MT1,
MAX)

24/7

 WITH AUTO-
DOCKING

Which MT1?

THREE MODELS, CHOSEN BY FLOOR AND VENUE



MT1

AI-powered robotic sweeper

- Up to 1,800 m²/h; 6,000 m²/h spot cleaning
- 35 L trash bin, auto-empty station
- 4–8 h run-time, < 3 h charge, 65 kg



MT1 Vac

Sweeper and vacuum for carpet and hard floors

- Sweeps, vacuums and dust-mops; 55 cm suction path
- 6 L bin + 14 L dust bags, H11/H13 filtration
- 3–6.5 h run-time, hand-vacuum extension, 75 kg



MT1 Max

3D-perception sweeper for car parks and semi-outdoor areas

- Up to 2,200 m²/h; 7,000 m²/h spot cleaning
- 3D LiDAR, IP54, vehicle and pedestrian avoidance
- 5–10 h run-time, 60 Ah, warning light, 85 kg

MT1 · MT1 Vac · MT1 Max compared

	MT1 AI-powered robotic sweeper	MT1 Vac AI-powered robotic sweeper & vacuum	MT1 Max AI-powered 3D-perception robotic sweeper
CLEANING			
Cleaning methods	Sweeping	Sweeping, vacuuming, dust-mopping	Sweeping
Best for	Large indoor venues, hard floors	Hard floors and carpet, indoor	Large indoor and semi-outdoor areas, car parks
All-covered cleaning	up to 1,800 m²/h	up to 1,400 m²/h	up to 2,200 m²/h
AI spot cleaning	up to 6,000 m²/h	up to 1,800 m²/h (sweep)	up to 7,000 m²/h
Cleaning width	70 cm (with side brush)	70 cm sweeping · 55 cm vacuuming	70 cm (with side brush)
Waste container	35 L trash bin	6 L trash bin + 14 L dust bags (2 × 7 L)	35 L waste container
Air filtration	High-flow negative-pressure ventilation with filter	HEPA-grade H11 (optional H13)	Automatic filter cleaning
Auto-empty station	Yes (optional station)	—	Yes (optional station)
Area per deployment	up to 100,000 m²	—	up to 100,000 m²
NAVIGATION & SAFETY			
Navigation	VSLAM + marker + LiDAR SLAM	VSLAM + marker + LiDAR SLAM	VSLAM + marker + 3D LiDAR SLAM
Sensors	LiDAR, VSLAM camera, 3 × RGBD, 2 × RGB, 2 × line laser	LiDAR, VSLAM camera, 3 × RGBD, 2 × RGB, 2 × line laser	3D LiDAR, VSLAM camera, 3 × RGBD, 2 × RGB, 2 × line laser
Obstacle avoidance	Multi-sense: 3D depth perception + sensor fusion	Real-time recognition with smart rerouting	Dynamic vehicle, pedestrian and animal avoidance; audible and visual alerts
Path clearance	75 cm	75 cm (min. height 52 cm)	75 cm
Max. obstacle height	20 mm	20 mm	50 mm (speed bump)
Cruise speed	0.2–1.2 m/s	0.2–1.2 m/s	0.2–1.2 m/s
Protection	—	—	IP54; water-drop sensor; 1.2 m warning light
POWER			
Run-time	4–8 h	3–6.5 h (standard mode on hard floors: 4 h)	5–10 h (standard mode: 8 h)
Battery	—	—	60 Ah
Charging time	< 3 h	< 3.5 h	< 3.5 h
Continuous operation	24/7 with auto-docking	24/7 with charging station	24/7 with auto-docking
BODY			
Dimensions (L × W × H)	840 × 600 × 490 mm	840 × 600 × 490 mm	840 × 600 × 675 mm
Weight	65 kg	75 kg	85 kg
IoT	Elevators, e-gates, PUDU Link	Elevators, e-gates, PUDU Link	Elevators, e-gates, PUDU Link

— means the manufacturer does not publish the value for that model or the feature does not apply.

Sources: Pudu Robotics product pages for the MT1, MT1 Vac and MT1 Max (pudurobotics.com/en/products/mt1/, [/mt1-vac/](https://pudurobotics.com/en/products/mt1-vac/), [/mt1-max/](https://pudurobotics.com/en/products/mt1-max/)), the MT1, MT1 Vac and MT1 Max product flyers (December 2024, July 2025, August 2025) and the PUDU commercial cleaning robots brochure (April 2026); robotixmarket.com. Figures are the manufacturer's; where sources differ, the product page and single-model flyer are used. Where a value is not published it is left out rather than estimated.

Every part of the MT1 platform has a job

AI cameras and VSLAM

Trash recognition and visual positioning from the front camera cluster

LiDAR (3D LiDAR on MT1 Max)

Laser SLAM mapping; the Max adds 3D perception for high ceilings and night work

Dual-disc brushes

Two sweeping brushes clear a 70 cm path, edge to edge along walls

Light bar and screen

Status at a glance on every model; on the MT1 the screen is quick-release for manual control



FRONT (MT1 VAC SHOWN)



DUAL-DISC BRUSHES

Filtration

MT1: negative-pressure ventilation and filter · MT1 Vac: HEPA-grade H11/H13 · MT1 Max: automatic filter cleaning

Quick-release trash bin

35 L (MT1, MT1 Max); MT1 Vac separates 6 L trash and 14 L dust bags

Extendable steering handle (MT1)

Pull it out to steer the robot between areas by hand

Modular consumables (MT1, MT1 Vac)

Brushes, filter and bin swap in seconds without tools

840 × 600 mm

FOOTPRINT (L × W),
ALL MODELS

490 / 490 / 675 mm

HEIGHT: MT1 / VAC / MAX

75 cm

PATH CLEARANCE

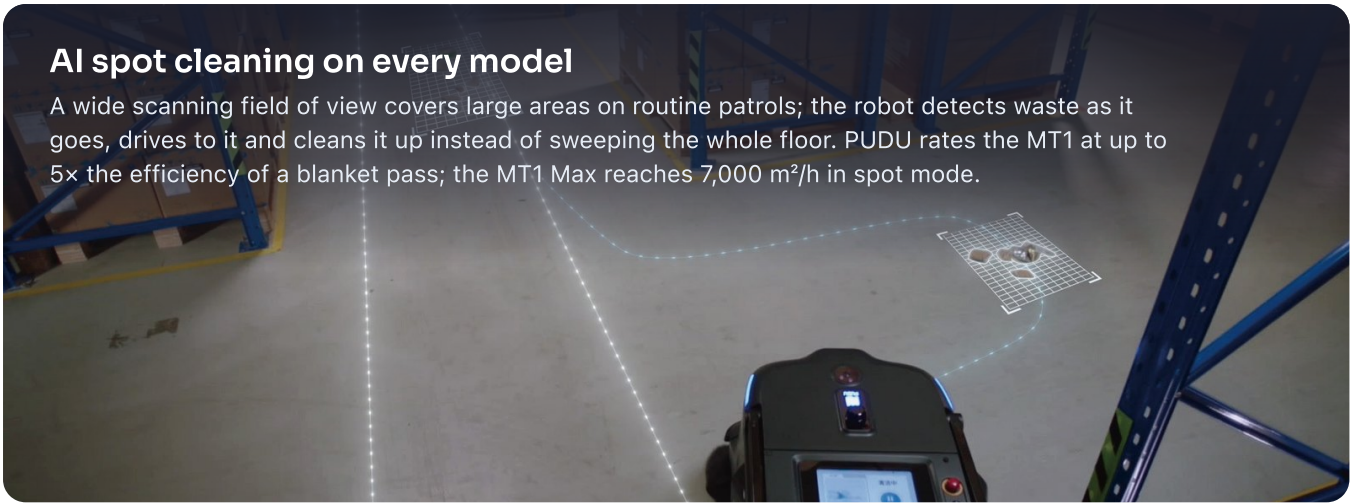
0.2–1.2 m/s

CRUISE SPEED

What sets the MT1 series apart

AI spot cleaning on every model

A wide scanning field of view covers large areas on routine patrols; the robot detects waste as it goes, drives to it and cleans it up instead of sweeping the whole floor. PUDU rates the MT1 at up to 5x the efficiency of a blanket pass; the MT1 Max reaches 7,000 m²/h in spot mode.



No debris too big or small (MT1, MT1 Max)

Dual-disc brushes handle leaves and bottles as easily as fine dust; on the MT1, active dust control traps particles in the box to prevent secondary pollution.



Auto-empty station (MT1, MT1 Max)

Dumping triggered → head to the station → auto emptying → resume cleaning. MT1 and MT1 Max empty their bin into an on-site trash bin without manual intervention.



3D perception on the MT1 Max

3D LiDAR and multi-sensor fusion map accurately, detect obstacles in real time and navigate high ceilings, night-time and heavy interference — with vehicle, pedestrian and animal avoidance.



MT1 Vac: suction, carpet and a hand-vacuum

Dual-fan deep vacuuming with a 55 cm suction path, AI floor recognition for carpet and hard floors, HEPA-grade filtration and a hand-vacuum extension for sofas, walls and edges.

Warehouses, factories, car parks and concourses

Warehouses & logistics

Wide aisles, pallets and forklifts: AI spot cleaning between routine passes, elevator and e-gate integration between zones.

Factories & workshops

Sweeps swarf, packaging and dust off the shop floor; the MT1 Vac vacuums fine dust with HEPA-grade filtration.

Car parks & semi-outdoor areas

MT1 Max: IP54 sealing, 3D LiDAR, vehicle avoidance and a 1.2 m warning light for ramps and parking decks.

Malls, airports & stations

Large hard-floor concourses cleaned overnight and topped up by spot cleaning during the day.

Offices & hotels

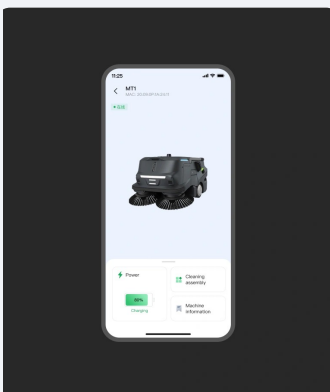
MT1 Vac on carpet and hard floor alike, with a dust-mop module and a hand-vacuum extension for edges and furniture.

Campuses & exhibition halls

MT1 and MT1 Max cover areas up to 100,000 m² on one deployment, with the auto-empty station keeping the robot on the job.



All three models integrate with elevators and e-gates and are managed in PUDU Link. MT1 series accessories: charging station, auto-empty station (MT1, MT1 Max), high-efficiency H11/H13 filters, elevated warning lights, forklift safety light, sweeping side brushes and rubber or sweeping roller brushes.



Managed in PUDU Link, moving between floors

Schedules, maps and cleaning levels are set in the PUDU Link app, which shows each robot's status and battery. Elevator and e-gate integration let the sweepers move between zones and floors on their own.

NEXT STEP

Put an MT1 on your floor plan

Tell us about the site — floor type, area, whether it is indoor, semi-outdoor or a car park, and how the robot should move between zones. We will recommend the model, and come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web · robotixmarket.com/products/pudu-robotics-mt1

robotixmarket.com/products/pudu-robotics-mt1-vac · robotixmarket.com/products/pudu-robotics-mt1-max

Email · info@robotixmarket.com

Prices and configuration on request. Robotix Market ships worldwide.



MT1



MT1 Vac



MT1 Max

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full Pudu Robotics manufacturer warranty and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

See it in action

youtube.com/watch?v=MEN5tiNOJqw · youtube.com/watch?v=kMAKuq9-0xQ · youtube.com/watch?v=pSnU7ChHDFo