

MT1 Max

AI-Powered 3D Perception Robotic Sweeper



Building on the stand-out MT1 platform, the MT1 Max brings the original's powerful autonomous sweeping to semi-outdoor environments like patios, courtyards and walkways, as well as environments with high-speed dynamic obstacles such as parking garages. It features stronger perception with 3D LiDAR, greater computing power with dual SoCs, and improved obstacle-crossing capability. With optimized environmental adaptability and a fully automated workflow, it delivers a safer and more efficient cleaning experience for users.

Key Features



3D Perception Integration



Magic Cleaning



Smart Obstacle
Avoidance Upgrade



Empty the Facility of Any
Dirt & Trash



24/7 Continuous
Operation



AI Adaptive Cleaning



Covers Up to 100,000m²



Intelligent Active Interaction

Upgraded Versatility



Smarter Obstacle Avoidance

Fully upgraded obstacle avoidance system with 3D LiDAR enables smarter dynamic avoidance of both vehicular and human traffic—pausing operations to let traffic cross and resuming once the cleaning route is clear.



Magic Cleaning

Featuring a dual-chip architecture, MT1 Max doubles computing power to enable more precise AI recognition and faster processing. Hardware-software integration allows sensors, hub motors, side brushes, and main brush to work in harmony.



Automatic Filter Cleaning

An internal vibration system keeps filters clear in real time, preserving suction and filtration efficiency while extending component life. The process is fully automatic, eliminating manual upkeep and reducing maintenance frequency.

Product Specifications

Robot Dimensions (LxWxH)	840 x 600 x 675 mm (33*23.6*26.6 in)
Robot Weight	85 kg (187.39 lbs)
Cleaning Capabilities	Sweeping
Cleaning Performance	Cover Cleaning Max. 2200m ² /h (23680.6 ft ² /h) Spot Cleaning Max. 70000m ² /h (75,347 ft ² /h)
Charging Time	<3.5 h
Run-Time	5-10 h, Standard Mode 8 h
Battery Capacity	60 Ah
Cruise Speed	0.2 m/s ~ 1.2 m/s (0.66 ft/s-3.94 ft/s) (Adjustable)
Cleaning Width	70 cm (27.6 in) (with side brush)
Navigation	VSLAM + Marker + 3D LiDAR SLAM
Waste Container Capacity	35 L (9.25 US gal)



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