

PHOENIX MAX

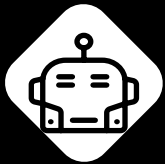
Phoenix Max (PUDU MT1 Max) builds on the Phoenix platform with enhanced capabilities for semi-outdoor environments such as residential courtyards and high-traffic areas such as car parks.

Equipped with advanced 3D LiDAR, dual SoCs for greater computing power, and improved obstacle-crossing ability, it adapts seamlessly to complex conditions. With optimised environmental adaptability and a fully automated workflow, Phoenix Max ensures safer, smarter, and more efficient cleaning across dynamic spaces.



3D PERCEPTION ENHANCEMENT

3D LiDAR + multi-sensor fusion enables Phoenix Max to map accurately, avoid obstacles, and navigate reliably even in challenging environments.



MAGIC CLEANING

Dual-chip AI with hardware-software sync powers faster processing, redundancy, and smart cleaning features like trash recognition and spot cleaning.



UPGRADED 3D LiDAR

Upgraded 3D LiDAR obstacle avoidance enables Phoenix Max to adapt dynamically - stopping for vehicles, yielding at lane entrances, edging aside to keep routes clear, and reacting quickly to pedestrians or animals for enhanced safety.



INTELLIGENT ACTIVE INTERACTION

Multi-dimensional safety system with structural protection, smart responses, slope climbing, rain avoidance, and obstacle handling; enhanced by 1.2 m warning light, safety projection, and audible/visual alerts for proactive risk prevention.

Specification	Phoenix (PUDU MT1)
Dimensions (L x W x H)	84 x 60 x 67.5 cm
Cleaning Width	70 cm
Run Time	5-10 hours
Charge Time	<3 hours
Productivity	2,200 m ² /h
Rubbish Tray Capacity	35 litres
Weight	85 kg
Cruise Speed	0.2 - 1.2 m/s
Maximum passing distance	75 cm