roboplanet



PUDU ET1

AI-Native Compact Scrubber-Dryer Robot

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About PUDU

Product Appearance





Sensor
Cleaning Unit
Others

Product Spec.

Dimensions (L*W*H)	500 * 380 * 580 mm (19.69 * 14.96 * 22.83 in)	**Obstacle Overcoming Height**	20 mm (0.79 in)
Weight	approx. 45 kg (99.2 lbs)	**Detachable Components**	Clean Water Tank / Waste Water Tank / Scrubbing Module / Sweeping Module / Dust Box / Trashbin
Cruise Speed	Max 1.0 m/s (3.28 ft/s)	**Cleaning Modes**	4-in-1: Scrubbing, Sweeping, Vacuuming, Dust-mopping
Cleaning Efficiency	300 - 720 m²/h (3,229 - 7,750 ft²/h)	**Suction Power**	20 kPa
Dust Box Capacity	2.5 L (0.66 gal)	**Operating Noise**	< 65 dB(A)
cleaning Width	Scrubber/Dust-mop: 30cm (11.81 in / 0.98 ft) Sweeper/Vacuum: 39 cm (15.35 in / 1.28 ft)	**Scrubbing Mechanism Self-Cleaning**	Self-cleaning Roller Brush + Squeegee
Clean Water Tank / Waste Water Tank Capacity	8 L (2.11 gal) / 7.2 L (1.9 gal)	**Manual Mode**	Yes (Supported)
Min. Clearance (Width / Height)	50 cm (19.69 in / 1.64 ft) / 60 cm (23.62 in / 1.97 ft)	**Quick Battery Swap**	Yes (Supported)
Run-time	2.5 - 4 h	**Control Methods**	7-inch Touchscreen, Mobile App, PC Management Platform
Battery Capacity	35 Ah	**Charging Station**	Optional (Includes Self-Cleaning Base)
Charging Time	approx. 3 h	**Docking Station**	Optional (Includes Self-Cleaning Base)





4-in-1 Versatile Cleaning



Real-time Roller Mop Self-cleaning



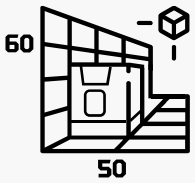
Streak-Free in One Pass



8-in-1 Self-Cleaning Station



AI Magic Cleaning



Compact Design, Agile Navigation



21.5" Advertising Display



Auto Mapping, One-click Start

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4-in-1 Versatile Cleaning

A true all-in-one cleaning solution, combining sweeping, scrubbing, vacuuming, and dust-mopping in a single robot.

The innovative **front-sweep, rear-scrub** design tackles dry debris and wet stains simultaneously, delivering cleaner floors in a single pass.





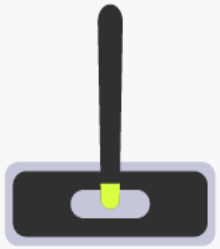
Sweeping



Scrubbing



Vacuuming



Dust-mopping

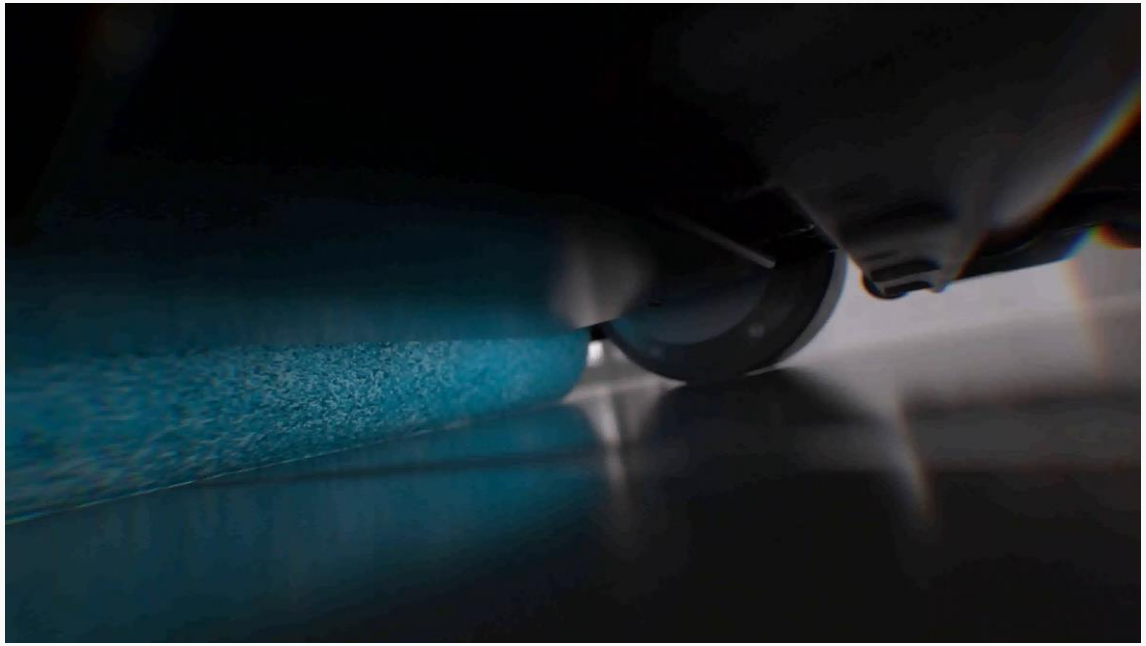
Unleash Ultimate Scrubbing Power



Max. 800 rpm roller speed generates intensive scrubbing power to tackle grease, footprints and other stubborn stains.

5000 Pa of downward pressure maintains constant floor contact, enhancing soil removal for superior cleaning performance.

85℃ Hot Scrubbing



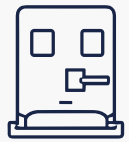
The docking station fills PUDU ET1 with 85℃ hot water, while onboard heating keeps it hot throughout cleaning to dissolve tough grease and sticky residues.

Streak-Free in One Pass



PUDU ET1 recovers dirty water instantly to leave floors dry in one pass. It eliminates water buildup, reduces slip risks, and protects delicate surfaces like hardwood and marble.

Fully Automated 8-in-1 Maintenance



Auto Charging



Auto Roller Mop Rinsing



Auto Squeegee Rinsing



Auto Roller Mop Spin-Drying



Auto Clean Water Refill



Auto Waste Water Drainage



Auto Detergent Dispensing



Auto Water Heating



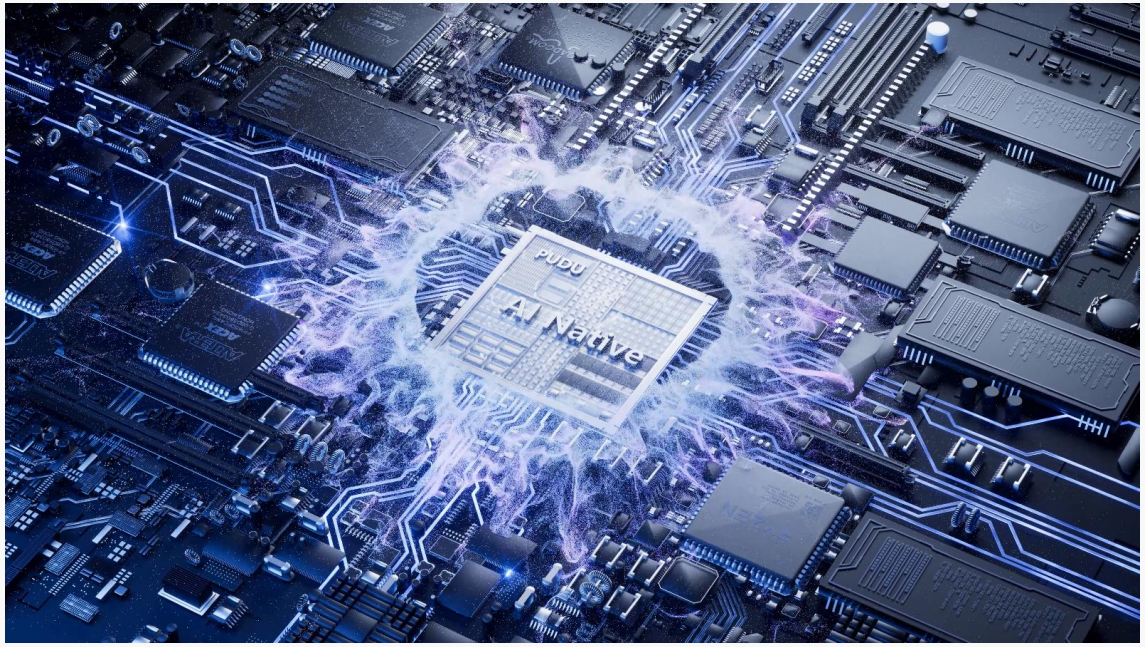
PUDU ET1 automatically returns to its 8-in-1 docking station after each task to complete a full self-cleaning cycle. With zero manual intervention required, it achieves true automated cleaning and maintenance, significantly reducing operating costs and labor burdens.

Auto Dust Collection, Empty Once a Week



A **2.5L** high-capacity onboard dustbox enables automatic dust collection after every run. Dust, hair, and debris are swiftly transferred into the internal container, minimizing disposal frequency to once a week.

AI Magic Cleaning



AI Magic Cleaning integrates perception systems, motion control, and multi functional hardware to achieve end to end automated cleaning from mapping and path planning to execution.

PUDU ETl features autonomous mapping, automatic stain recognition, cleaning heatmaps, and AI adaptive cleaning, continuously optimizing strategies for a more efficient and intelligent cleaning experience.

Auto Mapping, One-click Start



PUDU ET1 autonomously maps new environments to streamline deployment.

No pre-mapping or complex setup required. Simply power on to start cleaning, enabling faster demonstrations and immediate proof of performance.

AI Adaptive Scrubbing



roller spin

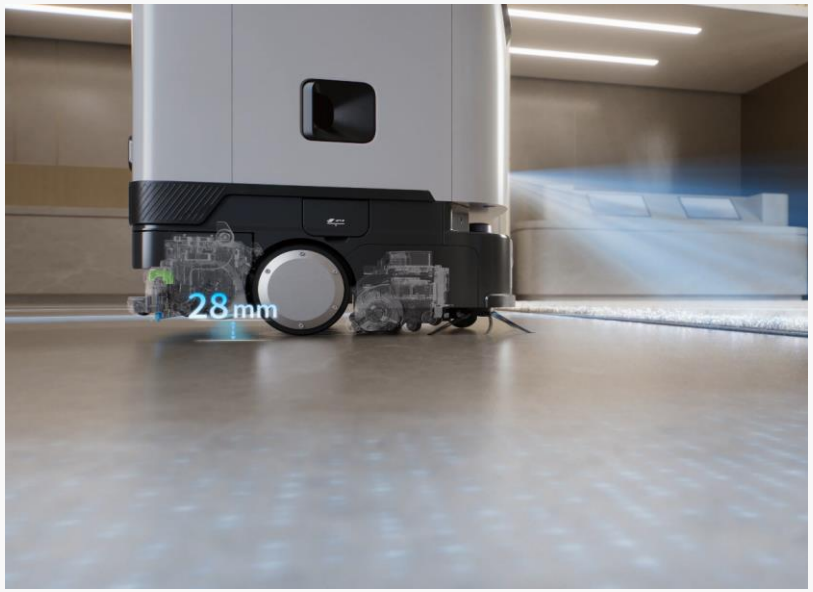
cruise speed

water output

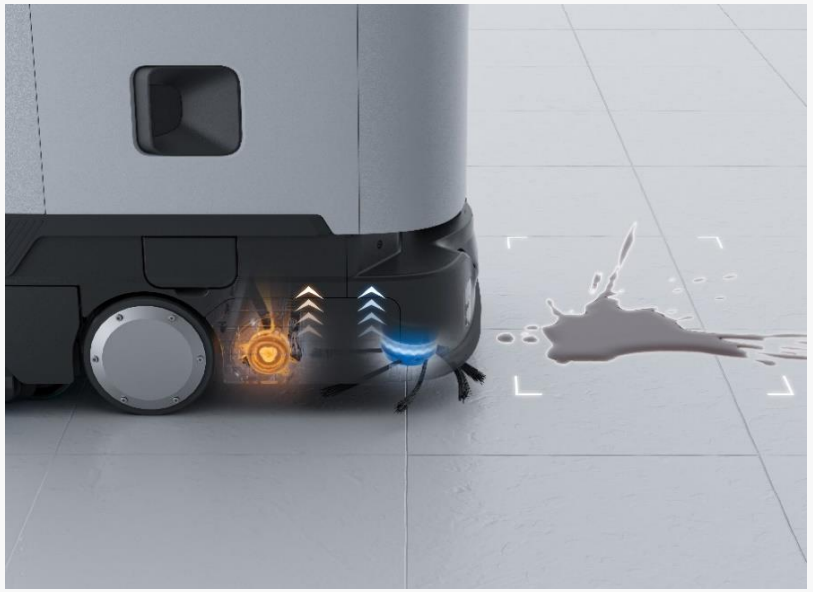
Precisely recognizes stubborn stains and automatically triggers a triple action by lowering cruise speed, increasing roller spin, and boosting water output for more thorough stain removal.

AI Floor Surface and Stain Recognition

PUDU ET1 automatically adjusts its cleaning mode based on floor surfaces, stain types, and environmental changes, ensuring optimal cleaning results while extending battery runtime.



Detects carpet edges and lifts the scrubbing roller to keep carpets dry.



Lifts sweeping brush and side brush over liquid spills to prevent secondary contamination.

AI Obstacle Recognition

AI Obstacle Recognition for Optimal Avoidance





Moisture-Control Mat
Sweeping and vacuuming only to keep floors dry.

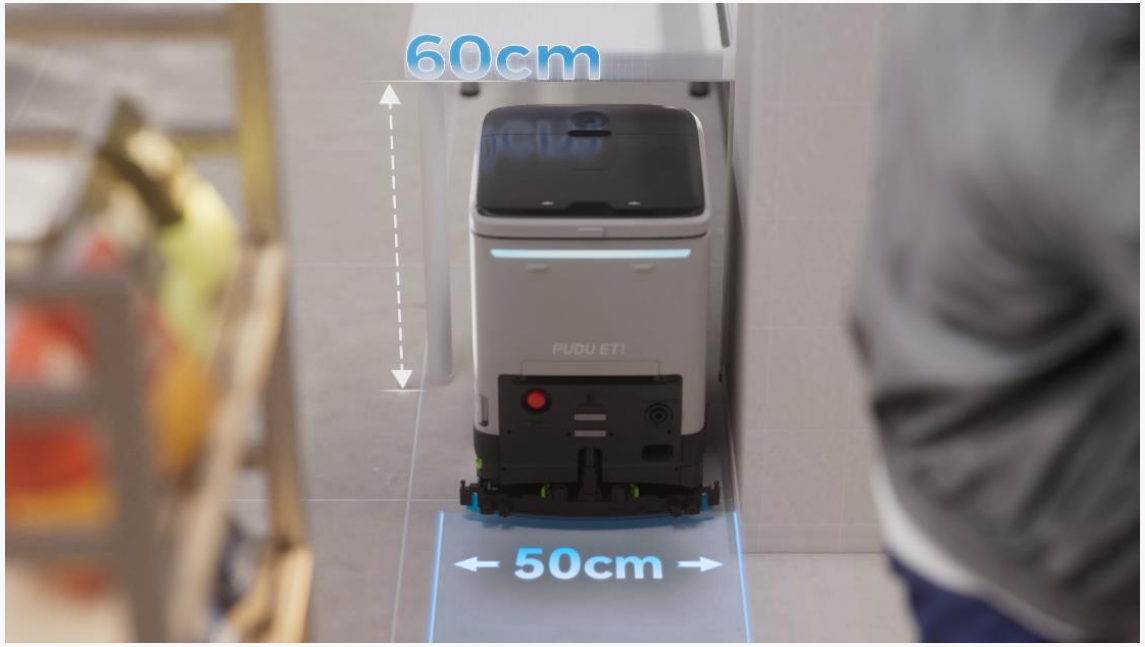


Power Cord / Packing Strap
Maintains a safe distance to prevent entanglement.



Pedestal Base
Navigates closely around the base to ensure full cleaning coverage.

Compact Design, Agile Navigation



Mini. clearance**: 50 cm width, 60 cm height**

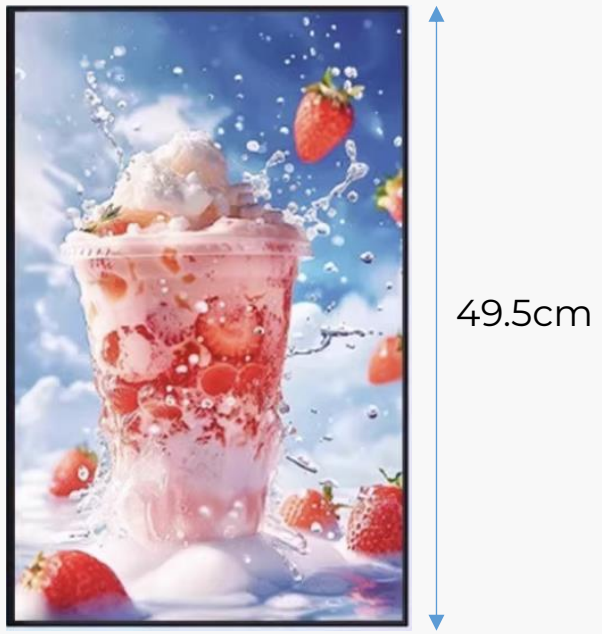
PUDU ET1 navigates narrow aisles and complex environments with its compact design and agile mobility. It operates seamlessly during business hours, enabling continuous cleaning with minimal disruption.

21.5" Advertising Display

Optional 21.5 inch ultra large HD display supports brand promotion, event marketing, and dynamic information display.

Supports multiple hardware extensions and flexible power supply options to suit various business scenarios and unlock commercial possibilities.





Custom Skin

Large flat surfaces showcase custom branding and campaign graphics for greater brand visibility.

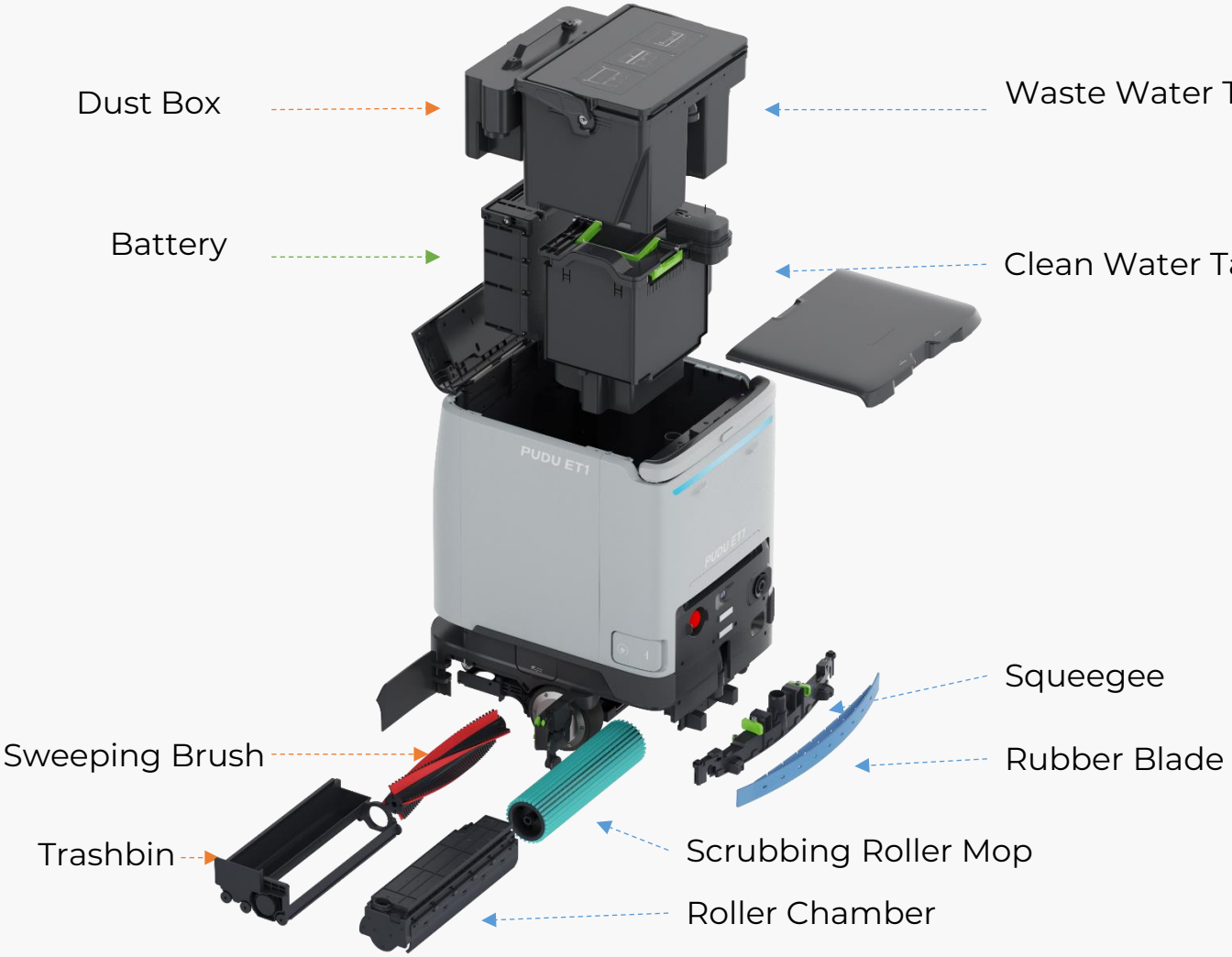






AI-generated image, for reference only

Detachable & Washable Cleaning Components



30-second quick-release cleaning modules enable effortless maintenance and deep cleaning. Easy access to key components helps extend device lifespan while reducing hidden dirt buildup and bacterial growth.

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Retail Applications

ET1 Task **Frequent Floor Scrubbing + Mobile Marketing**

Key Segments

- Convenience Stores
- Drugstores
- Grocery Stores

Key Areas

- Fresh Food Sections
- Shelf Areas
- Aisles
- Entrances

★ Why ET1 Fits Retail

- 50 cm path clearance enables agile cleaning
- Powerful scrubbing leaves floors streak-free
- 21.5'' advertising screen combines cleaning with mobile marketing.
- AI Magic Cleaning: Cleaner, More Efficient

50cm
Min. Path Clearance
Agile Maneuvering

80mm
Scrubbing Roller
Powerful Scrubbing

21.5''
Advertising Screen
Greater Value

Magic Cleaning
Cleaner,
More Efficient







F&B Applications

ET1 Task **Hot Water Scrubbing + Small-Debris Pickup + Under-Table Cleaning**

Key Segments

- Quick-Service Chains
- Family Restaurants
- Fine-Dining Restaurants

Key Areas

- Dining Areas
- Walkways
- Entrances

★ Why ET1 Fits F&B

- Hot-water scrubbing leaves no greasy residue.
- The front-sweeping design picks up napkins, straw wrappers, and food debris.
- A minimum clearance height of 60 cm enables under-table cleaning.
- All cleaning modules are removable and washable for easy maintenance.

85
Max. Outlet Temperature
Melts Away Grease

Sweep & Scrub
Sweeping Roller Mop + Dustbin
Picks Up Food Debris

60cm
Min. Clearance Height
Under-Table Cleaning

Removable & Washable Modules
Easy Maintenance







Hotel Applications

ET1 Task **Vacuuming & Scrubbing + Cleaning Across Floors and Zones**

Key Segments

- Economy Hotels
- Upscale Hotels

Key Areas

- Guestroom Corridors
- Lobbies
- Restaurants, Gyms & Pool Areas

★ Why ET1 Fits Hotels:

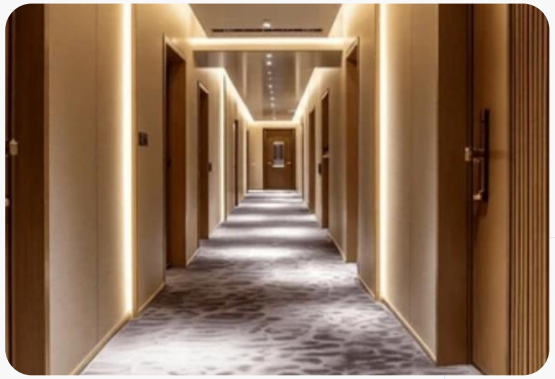
- Vacuuming and scrubbing with no module changes.
- Up to 20 kPa suction.
- Detects carpet edges and switches modules automatically.
- Elevator integration enables multi-floor cleaning.

Dry-Wet Separation
Front Vacuuming + Rear Scrubbing
No Module Changes Required

20Kpa
Max. Suction
Deep Dust Removal

Carpet Detection
Physical Sensors + AI
Accurate Carpet-Edge Detection

Elevator Integration
Crosses 30 mm Gaps & 20 mm Obstacles
Seamless Multi-Zone Cleaning







Property Cleaning Applications

Key Segments

- Residential & Office Buildings

Key Areas

- Common-Area Corridors
- Lobbies
- Office Corridors

ET1 Task **Vacuuming & Scrubbing + Cleaning Across Floors and Zones**

★ Why ET1 Fits Property Cleaning

- Vacuuming and scrubbing with no module changes.
- Up to 20 kPa suction.
- Detects carpet edges and switches modules automatically.
- Elevator integration enables multi-floor cleaning.

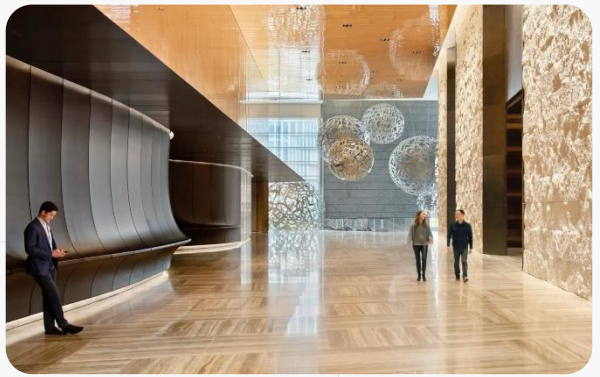
Dry-Wet Separation
Front Vacuuming + Rear Scrubbing
No Module Changes Required

20Kpa
Max. Suction
Deep Dust Removal

Carpet Detection
Physical Sensors + AI
Accurate Carpet-Edge Detection

Elevator Integration
Crosses 30 mm Gaps & 20 mm Obstacles
Seamless Multi-Zone Cleaning







Select the most suitable cleaning robot

Scrubbing



BG1 Pro: World's first AI-native large Scrubbing robot Pro
Best for: Powerful scrubbing in large scenarios such as garages



BG1: World's first AI-native large scrubbing robot
Best for: 2500~10000+㎡ cleaning area, stubborn stain scrubbing



CC1 Pro: World's first AI-native small and medium-sized scrubbing robot
Best for: 500-2500㎡ cleaning area, stubborn stain scrubbing



CC1 Pro Disc: AI-native small and medium-sized disc brush scrubbing robot
Best for: 500-2500㎡ cleaning area, with professional scrubbing and polishing maintenance needs



CC1: World's first four-in-one small and medium-sized cleaning robot
Best for: 500-1500㎡ cleaning area, moderate stain scrubbing



ET1: World's first AI-native compact cleaning robot
Best for: 100-800㎡ cleaning area, moderate stain scrubbing



SH1: Multifunctional small scrubbing machine with powerful cleaning capability
Best for: Small scenarios such as restaurants and restrooms

Sweeping



MT1: World's first AI-native sweeping robot
Best for: Suitable for 500-20000㎡ ultra-large indoor areas, easily sweeps all types of large debris.



MT1 Max: World's first AI-native sweeping robot for complex scenarios
Best for: 500-20000㎡ garages, outdoor and other complex scenarios, easily sweeps all types of large debris.

Carpet Vacuuming



CC1: World's first four-in-one small and medium-sized cleaning robot
Best for: 500-2000㎡ carpet areas, easily handles daily carpet vacuuming



MT1 Vac: World's first AI-native large-area dry cleaning robot
Best for: 500-15000㎡ large carpet areas, achieves efficient and thorough vacuuming



ET1: World's first AI-native compact cleaning robot
Best for: 100-800㎡ cleaning area, daily carpet vacuuming

Hard Floor Mopping /Vacuuming



MT1 Vac: World's first AI-native large-area dry cleaning robot
Best for: 500-15000㎡ indoor hard floors, easily handles dust mopping and vacuuming.

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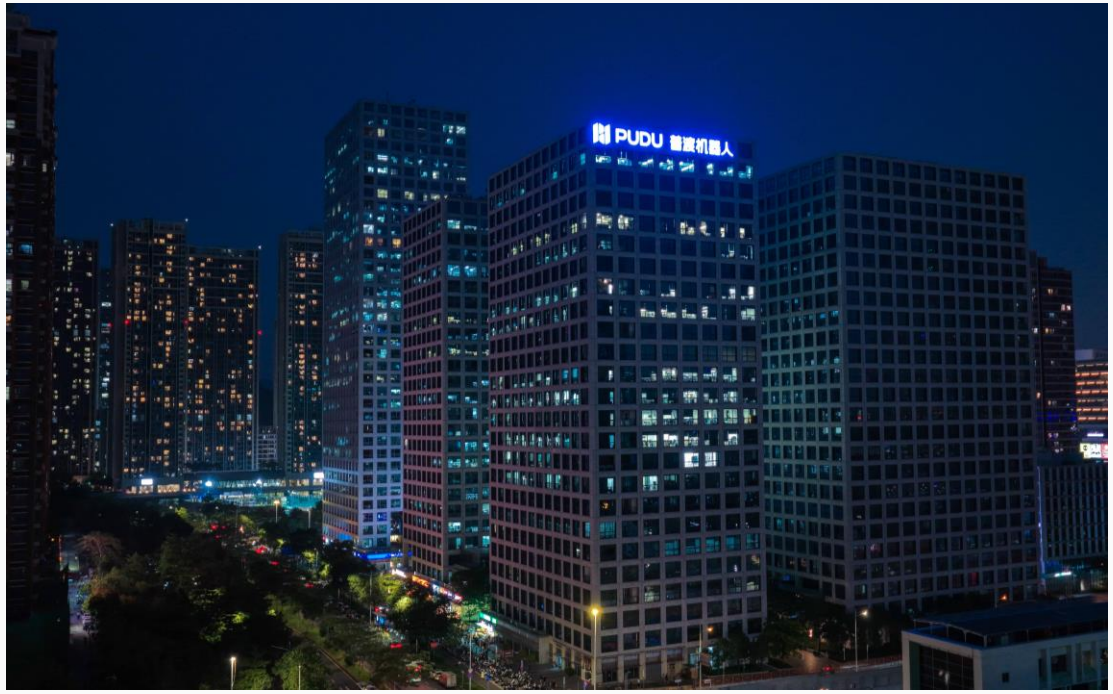
About PUDU

Pudu Robotics, a global leader in the commercial service robotics, committed to establishing a global intelligent robotics infrastructure that will serve 10 billion people worldwide.

Pudu Robotics has developed key core technologies and components, including robotic joint modules and motion controllers, and has filed more than 1,900 patent applications worldwide. Built on three core technologies—Embodied Navigation, Embodied Manipulation, and Embodied Interaction—Pudu Robotics has pioneered an "One Brain, Multiple Embodiments" architecture, establishing a comprehensive product portfolio that includes specialized, semi-humanoid, and humanoid robots.

Currently, Pudu offers four major product lines: service delivery, commercial cleaning, industrial delivery and general embodied AI. Its solutions are widely deployed across industries such as retail, hospitality, manufacturing, real estate and property services, healthcare, entertainment and sport, education, and public services.

To date, Pudu Robotics has shipped over 130,000 units globally, with a presence in more than 85 countries and regions.



The Global No.1 in Commercial Service Robotics

Global Market Share by Revenue

No.1 in the global commercial service robotics market by revenue,

25% market share

TOP1

Global Market Share by Shipments

No.1 in the global commercial service robotics market by shipments,

23% market share

TOP1

Global Commercial Cleaning Robotics Market Share by Revenue

No.1 in the global commercial cleaning robotics market by revenue,

29% market share

TOP1

International Market Share by Shipments

No.1 Chinese commercial service robotics company in international markets by shipments,

44% market share

TOP1

85+
Countries and Regions

1,000+
Cities

50,000+
End Customers

130,000+
Shipped Globally

Source: : Frost & Sullivan, 2025 Global Embodied Intelligence and Commercial Service Robotics Independent Market Research Report

Serving Customers Across 85+ Countries and Regions



Honored 10 Times by the World's Top Industrial Design Awards



Powering Every Industry with Pudu's Robots

Making Work Easier. Making Life Better.



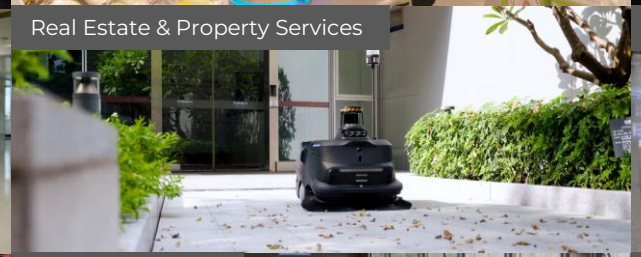


















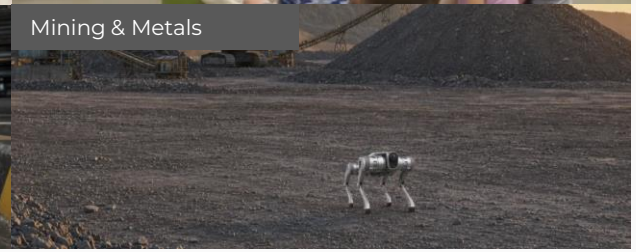












PUDU

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Thanks



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