

PUDU GT5

Commercial Robotic Mower





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About PUDU GT5

Key Features

Application Scenarios

About PUDU



Product Appearance

Sensors

Mowing Mechanism

Lighting System

Other

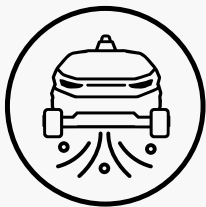




Product Spec.

Dimensions (L×W×H)	1910 × 1586 × 1293 mm 75.2 x 62.44 x 50.91 in
Weight (with batteries)	850 kg / 1873.93 lb
Platform Load Capacity	120 kg / 265 lb
IP Rating	IP66
Width of Cut	60 in / 1.52 m
Height of Cut	26 mm~152 mm / 1 in ~ 6 in
Blades Qty	3
Grass Box Capacity	120 L / 32 gal
Collection Width	1500 mm / 59 in
Mowing Rate	2 acre/h / 8000 m²/h
Max Mowing Speed	11 km/h / 6.7 mph / 3 m/s
Max Transport Speed	11 km/h / 6.7 mph / 3 m/s
Max Slope – Mowing	20°
Max Side Slope – Mowing	20°
Battery Capacity	26 kWh
Battery Chemistry	LFP
Run-time	8~10 h
Area per Full Charge	65000 m²/ 16 acres / 6.5 ha
Charging Time (fast / standard)	Standard: 8 h (3 kW) Fast: 4 h (6 kW) Optional
Positioning Stack & Accuracy	±2.5 cm
Max Map Area	1000000 m² / 100 ha / 247.11 acres
App / Fleet Management	Support





One-Pass
Cutting & Collection



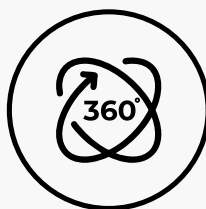
Auto-Dump &
Task Resumption



Autonomous Cross-Zone
Transit



Auto Mapping &
Rapid Deployment



360° Omnidirectional
Awareness



10h Extended
Run-time



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One-Pass Cutting & Collection



The GT5 cuts, vacuums, and collects grass clippings, fallen leaves, and light turf debris simultaneously during large-scale rotary mowing.

This continuous system leaves behind a spotless field, completely eliminating the need for secondary cleanups or follow-up crews.



Auto-Dump & Task Resumption



The GT5 autonomously transits to empty its hopper when full, then returns precisely to the breakpoint to continue its task.

This built-in feature ensures seamless performance without requiring operator intervention.



Extended Run-time



The GT5 powers through up to 10 hours of continuous operation, covering up to 16 acres on a single charge.

This extended run-time ensures the GT5 satisfies large-scale workflows without mid-day charging disruptions.



60-Inch Wide-area Mowing



Equipped with a rugged 60-inch rotary cutting deck, the GT5 clocks a target efficiency of 2 acres per hour.

This wide cut drastically increases acreage coverage and speeds up daily workflows.

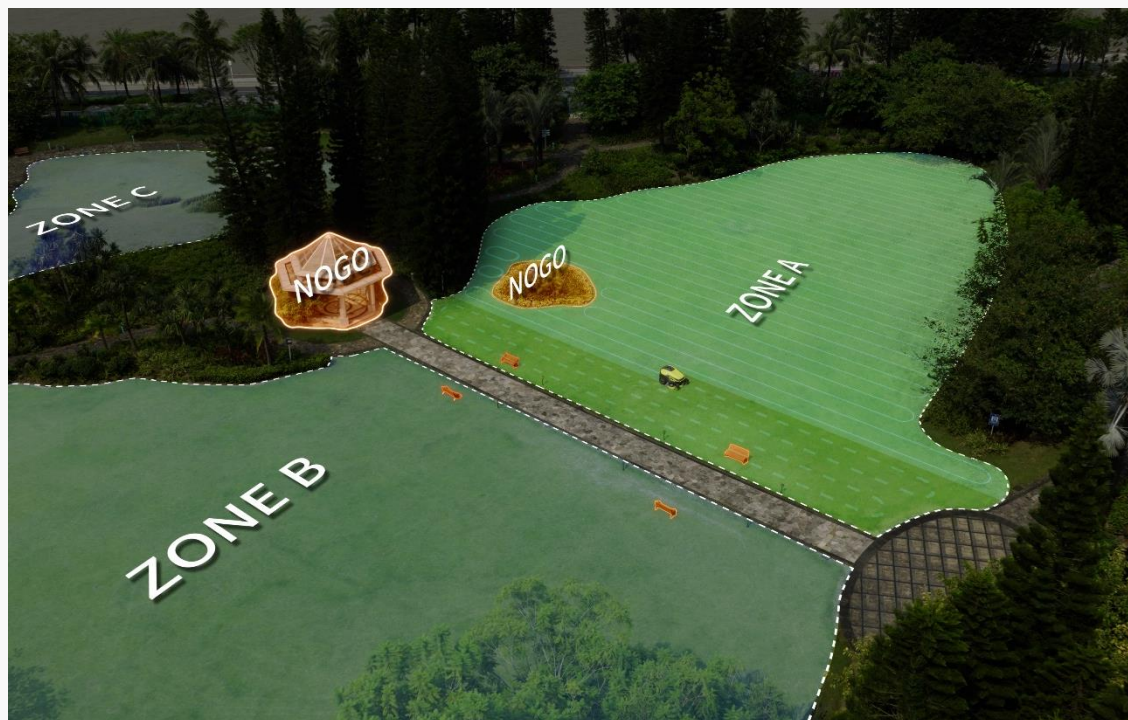
Multi-sensor Fusion & Precision Positioning



By merging RTK, LiDAR, and vision systems, the GT5 delivers pinpoint positioning and stable navigation.

Its ± 2.5 cm RTK accuracy ensures flawless consistency, unlocking fully automated, hands-free operation for every single task.

Auto Mapping & Rapid Deployment



The GT5 autonomously explores the field to generate precision operational maps.

Combined with online or satellite imagery to geofence target areas, it eliminates manual perimeter mapping to start cutting on new sites instantly.

Autonomous Cross-Zone Transit



The GT5 moves seamlessly between different pitches or turf zones along pre-mapped routes.

Eliminating the need for manual handling, the GT5 automatically transits and resumes mowing upon arrival to effortlessly cover multiple fields.



Precision Tracking & Edge Trim

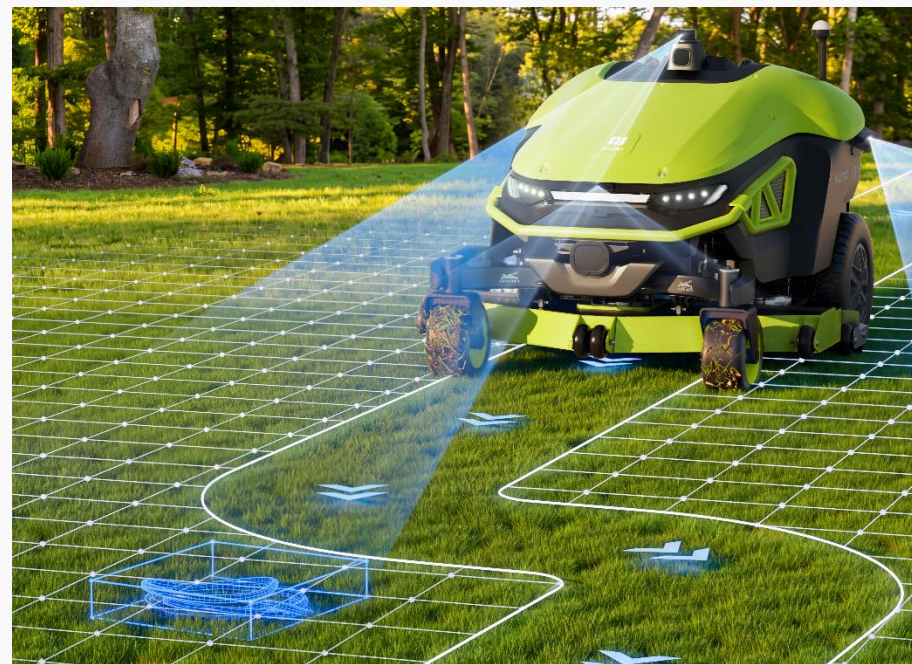
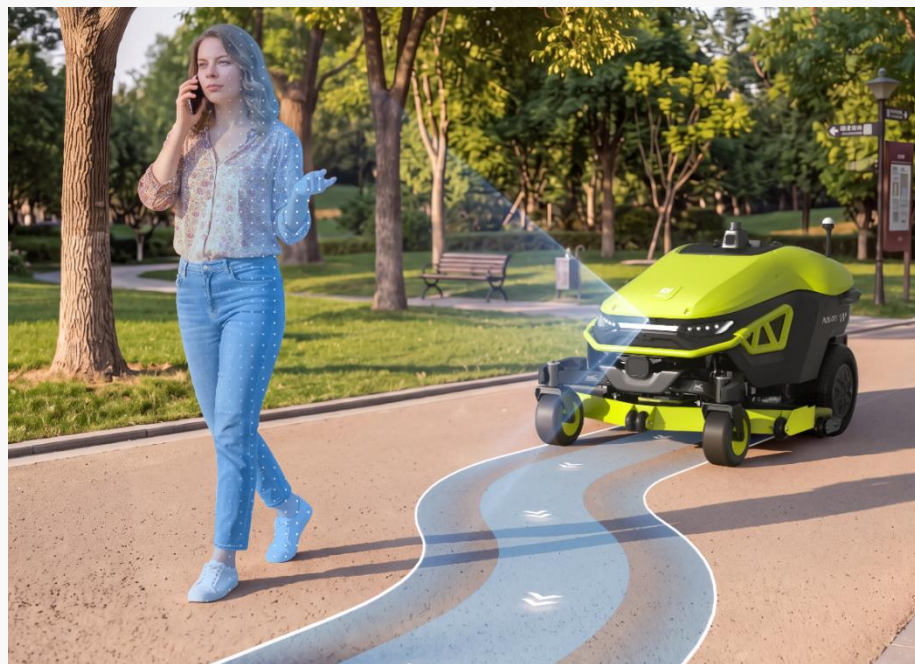


High-precision positioning keeps the GT5 on a stable path to mow within 5 cm of edges.

This minimizes uncut borders and guarantees a completely uniform finish across the field.

Adaptive Obstacle Avoidance

The GT5 instantly recognizes pedestrians, vehicles, and assets like hoses or light poles. Based on risk levels, it automatically slows down, bypasses, or stops to eliminate collision risks on public turf.





Active Anti-Fall Protection



Instantly detects dangerous drop-offs including water shorelines, steps, and steep embankments.

Combined with digital no-go zones, the system reroutes or brakes to eliminate runoff and rollover risks.



All-Metal Chassis with IP66 Weatherproofing



Engineered with heavy-duty steel and an all-metal chassis rated at IP66 weather resistance, built to withstand punishing commercial schedules and harsh outdoor environments.

Remote Fleet Management



The GT5 lets managers track live location, task progress, and system health from anywhere. Instant error notifications minimize the need for manual on-site checkups, significantly optimizing operational efficiency.



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Public Greens

Main Tasks: Mowing + Clips & Leaves Collection

● Key Segments

- Municipal Parks
- Museums
- National Cemeteris
- Public Streets
-

● Key Areas

- Open Lawns
- Pathways
-

Area Range:
10,000 ~ 50,000 m²

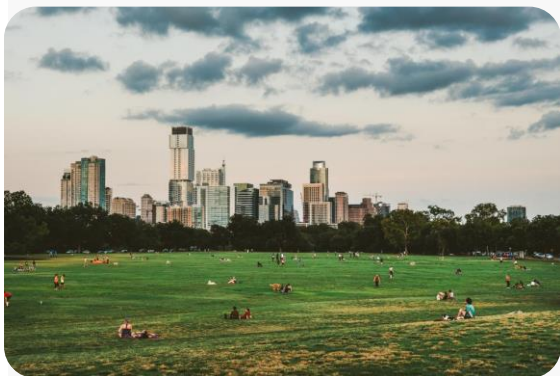
★ Why GT5 Fits Public Greens

60 in (150 cm)
Cutting Width

Up to **10 Hours**
Run-time

Max **65,000** m²
(16 acres | 6.5 ha)
Area per Full Charge

Max **8,000** m²/h
(2 acres/h | 0.8 ha/h)
Mowing Rate





Education Sites

Main Tasks: Mowing + Clips & Leaves Collection

● Key Segments

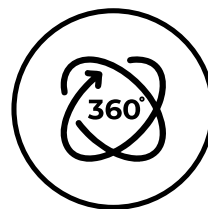
- High Schools
- Campus
- Universities
-

● Key Areas

- Open Lawns
- Pathways
- Sports Stadiums

Area Range:
10,000 ~ 50,000 m²

★ Why GT5 Fits Education Sites



Adaptive Obstacle
Avoidance

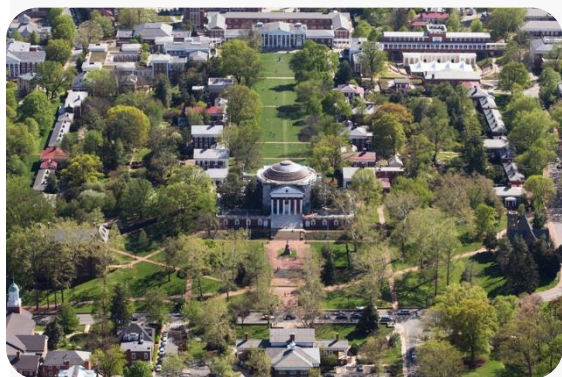
Active Anti-Fall
Protection



Auto-Dump & Task
Resumption



Autonomous Cross-
Zone Transit





Airport Greens

● Key Segments

- Public Airports
- Private Airports
- Helicopter Airports
-

● Key Areas

- Lawns
- Pathways
-

Area Range:
10,000 ~ 50,000 m²

Main Tasks: Mowing + Clips & Leaves Collection

★ Why GT5 Fits Public Greens

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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



Serving Customers Across 85+ Countries and Regions



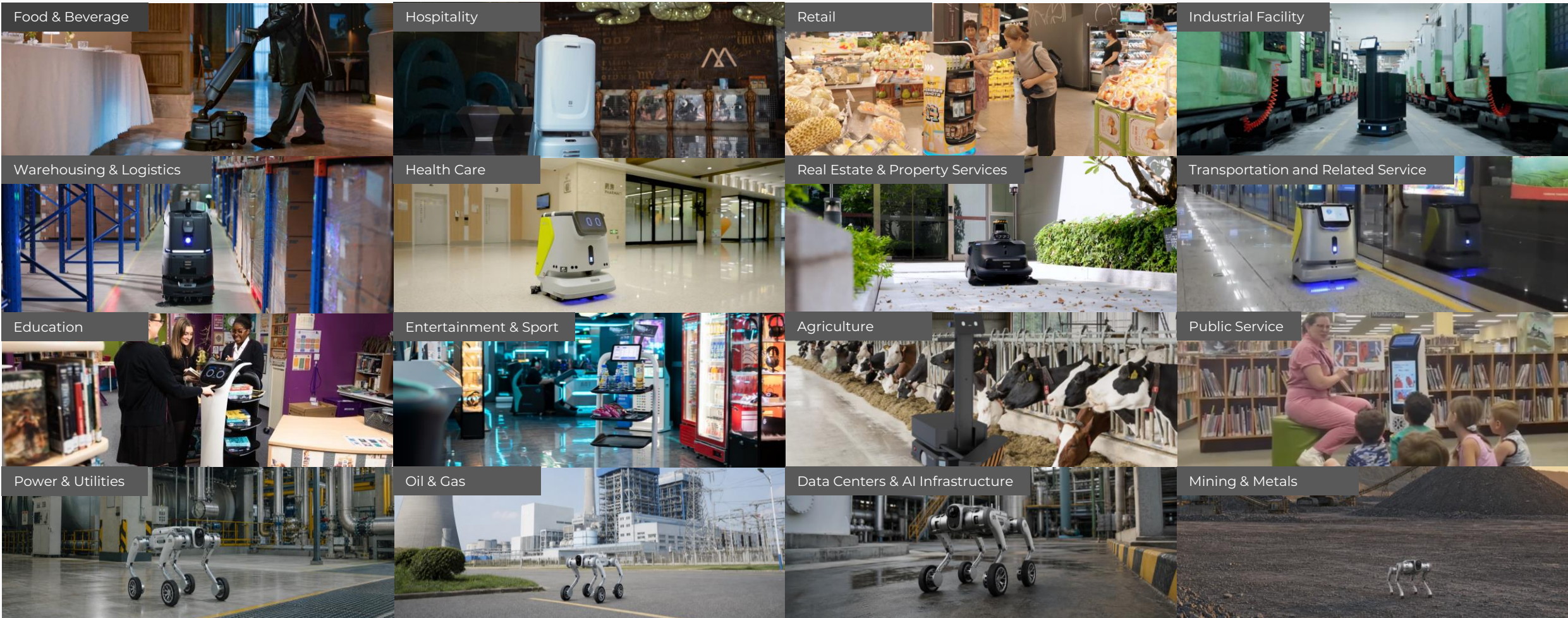
Honored 10 Times by the World's Top Industrial Design Awards





Powering Every Industry with Pudu's Robots

Making Work Easier. Making Life Better.



Thanks



 Pudu Robotics



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