

PUDU GT7

Precision-Cut Robotic Reel Mower

CONTENT

About PUDU GT7

Key Features

Application Scenarios

About PUDU

Product Appearance

Sensors
Mowing Mechanism
Lighting System
Other

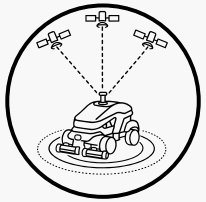


3D LiDAR
Joystick
RGBCamera
RGBD
Grass Collection Box
Turn Signal Light
Vacuum Intake
Front Roller
Warning Light
Rain Sensor
RGBD Camera
Headlight
RGB Camera
Charging Port
HOC (Height of Cut) Adjustment Knob
Reel Blade
Bedknife

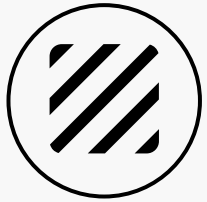
Product Spec.

Dimensions (L×W×H)	1950x1600x1400 mm / 76.8 × 63.0 × 55.1 in 1950x1500x1400 mm / 76.8 × 59.1 × 55.1 in (lifted)
Weight (with batteries)	900 kg / 1984 lb
Platform Load Capacity	120 kg / 265 lb
IP Rating	IP66
Cutting Unit Type / Qty	3
Width of Cut	62 in / 1600 mm
Reel Diameter	5 in / 125 mm
Blades per Reel	8 or 11
Height of Cut (HOC)	5 ~ 50 mm / 0.197~1.97 in
Floating / Fixed Units	Floating Units
Deck Pitch / Roll / Yaw Range	Pitch 20.5° Roll 14° Yaw 10°
Collection Width	1560 mm / 61.5 in
Clipping Capacity	120 L / 32 gal
Mowing Rate	2 acre/h / 8000 ㎡/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	30°
Max Side Slope – Mowing	30°
Battery Capacity	26 kWh
Battery Chemistry	LFP
Run-time	10~12 h
Area per Full Charge	70000 ㎡ / 17 acres / 7 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㎡ / 100 ha / 247.11 acres
App / Fleet Management	Support





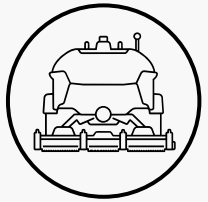
Multi-sensor Fusion &
Precision Positioning



Advanced Pattern Control



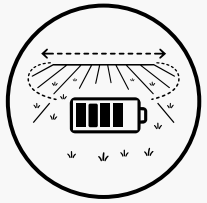
Autonomous Cross-Zone
Transit



Broad Coverage,
Tight-Space Agility



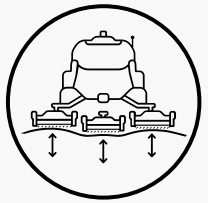
4WD Traction



10h Extended
Run-time



Low-Noise Electric
Operation



Floating Cutting Units

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Multi-sensor Fusion & Precision Positioning



By merging RTK, LiDAR, and vision systems, the GT7 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.

Precision Mowing & Advanced Pattern Control





The GT7 supports advanced configurations for cutting angles, directional rotation, and lane offsets.

This enables automated path planning, allowing the GT7 to deliver immaculate, professional-grade turf striping that meets the strict standards of professional athletic fields.

Autonomous Cross-Zone Transit



The GT7 moves seamlessly between different pitches or turf zones along pre-mapped internal routes.

Eliminating any need for manual relocation, the GT7 automatically transits and resumes mowing upon arrival, letting a single unit cover multiple sports fields effortlessly.

Broad Coverage, Tight-Space Agility



With a wide 62-inch triplex cutting unit, the GT7 perfectly pairs massive cutting efficiency with tight-space agility.

The GT7 glides through narrow, twisting paths effortlessly, ensuring seamless coverage across complex sports field layouts.

4WD Traction, Conquer Uneven Turf



Built with a robust 4WD system and a 30° climbing capability, the GT7 maintains dependable traction across steep slopes and rolling terrain to eliminate tire slippage and ensure full-field autonomous coverage.

Low-Noise Electric Operation



An all-electric chassis ensures quiet run-time, while disabling the suction motor in non-collection mode allows near-silent operation. This enables the GT7 to mow during early mornings, evenings, and active facility hours without disruption.

Extended Run-time



The GT7 powers through up to 12 hours of continuous operation, covering up to 17 acres on a single charge (in non-collection mode). This extended run-time ensures the GT7 satisfies large-scale workflows without mid-day charging disruptions.

Boosted Vacuum Collection



A dual-fan vacuum system instantly pulls grass clippings, fallen leaves, and light debris into a large hopper. This powerful suction leaves behind a spotless sports field in a single pass.

Dual-Mode Flexibility



The GT7 offers dual-mode capability, supporting standard mowing or active grass collection depending on turf conditions.

During collection, it features bin-full detection and automatic task resumption to minimize human intervention.

Contour-Following Floating Cutting Units



Pitch 20.5°



Yaw 10°



Roll 14°

The GT7 features three independently floating cutting units that closely track ground contours.

This articulated suspension ensures an ultra-consistent height-of-cut (HOC), delivering uniform cut quality even across highly undulating sports turf.



Auto-Dump & Task Resumption



The GT7 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.

360° Omnidirectional Awareness



By fusing surround-view RGB, RGBD, ultrasonic sensors, and 3D LiDAR, the GT7 maintains continuous spatial awareness of its surrounding environment. This comprehensive perception guarantees absolute operational safety across open facilities.

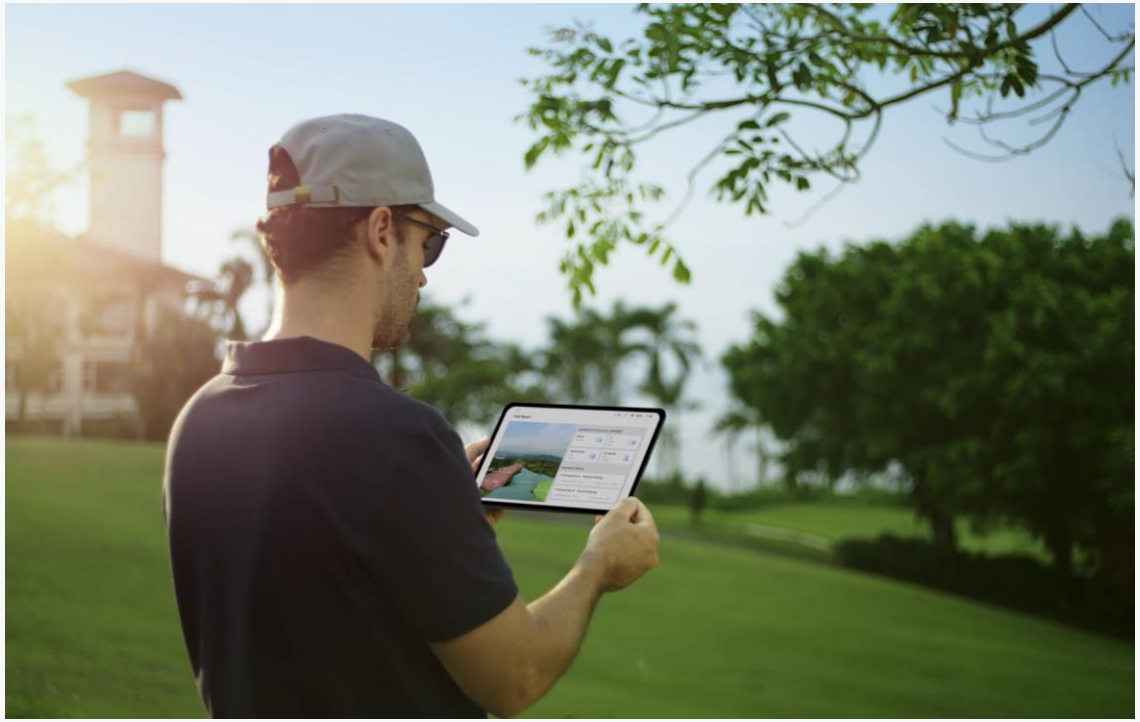
Adaptive Obstacle Avoidance



The GT7 leverages multi-sensor data and AI vision algorithms to instantly recognize turf boundaries, pedestrians, and vehicles.

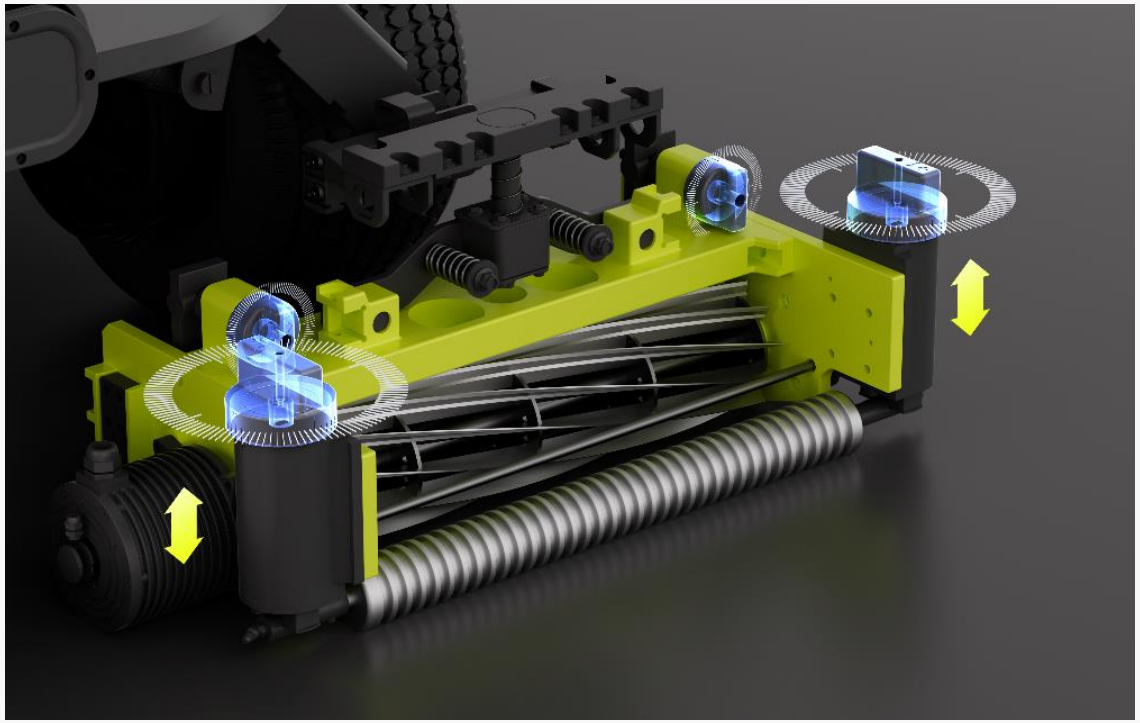
The GT7 intelligently executes stop, wait, or bypass protocols to guarantee safety in unpredictable environments.

Remote Fleet Management



The GT7 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.

Toolless Dial-In Height Adjustment



The Gt7 features a streamlined adjustment knob for quick Height-of-Cut (HOC) selection. This design allows operators to change cutting heights in minutes without tools, simplifying the daily setup.

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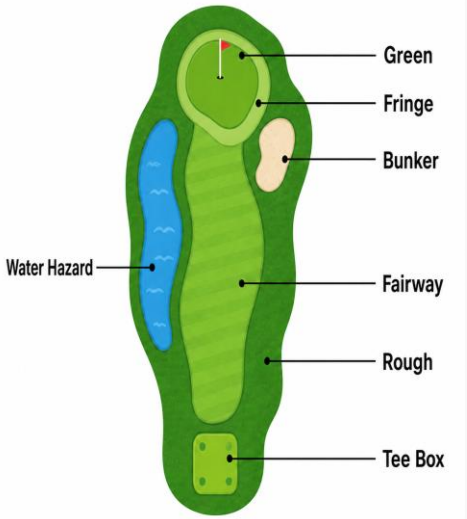
About PUDU

Golf Courses & Professional Sports Venues

Main Tasks:
Mowing + Clips & Leaves Collection

- Key Areas

- Fairways
- Fringe/ Approach
- Sports Turf
- Rough
- Tee



Area	Height of Cut (HOC)
Sports Turf	20–30 mm
Fringe Approach	6–13 mm
Tee Box	6–15 mm
Fairway	10–18 mm
Rough	25–50 mm

★ Why GT7 Fits Golf Courses & Professional Sports Venues

62 in (160 cm)
Cutting Width

5 ~50 mm
(0.197 in~1.97 in)
Cutting Height

Max 70,000 ㎡
(17 acres | 7 ha)
Area per Full Charge

20.5° Pitch Angle
14° Roll Angle
10° Yaw Angle
Floating Units

Up to 30° (58%)
Slope-Mowing with 4WD

Up to 12 Hours
Run-time

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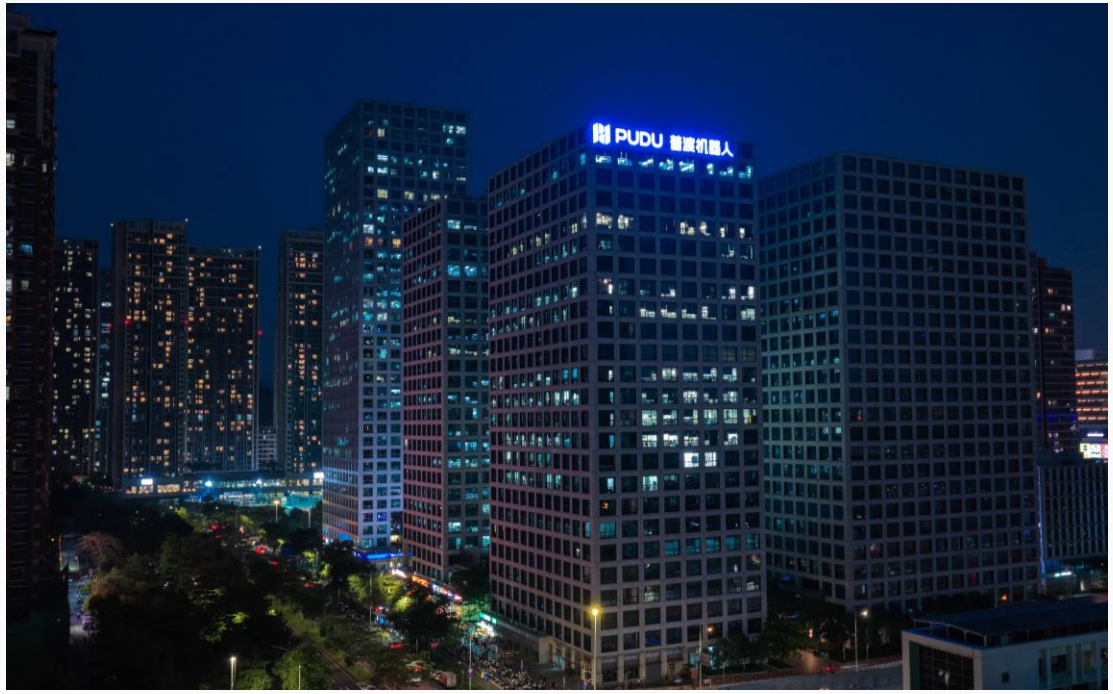
About PUDU

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.



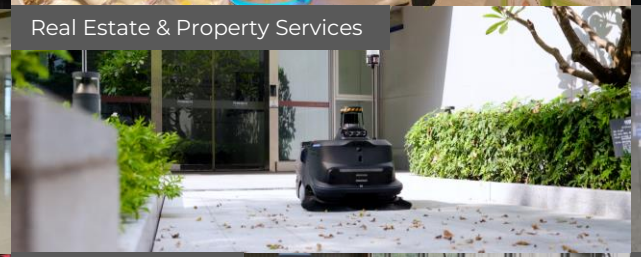


















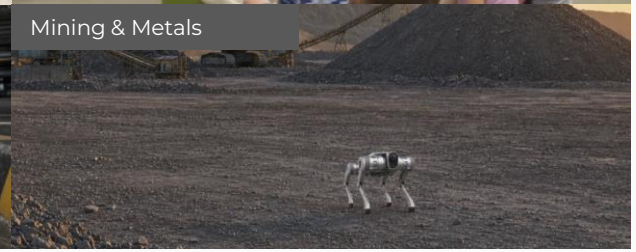












PUDU

Thanks



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