PUDU

PUDU T150

Light-payload Industrial Delivery Robot



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About Pudu

PUDU T150

Light-payload Industrial Delivery Robot

PUDU T150 is an industrial delivery robot purpose-built for 150 kg payload applications, with a strong focus on rapid deployment, stable operation, and high return on investment. It significantly lowers the barrier for manufacturers and logistics operators to adopt industrial automation.

Designed around a heavy-duty load-bearing chassis, the T150 features a highly open architecture and an intuitive onboard touchscreen, enabling fast onboarding and efficient operation. It is particularly well suited for small-item warehousing and in-plant logistics in industries such as 3C electronics, plastics, fast-moving consumer goods (FMCG), cosmetics, and fast fashion.

The T150 also integrates essential IoT capabilities, including autonomous elevator access, gate and door traversal, and remote calling, allowing it to adapt flexibly to complex industrial environments. In addition, it offers a rich set of hardware and software interfaces, supporting seamless integration with various software systems and hardware expansions—helping users quickly build a stable, scalable automated intralogistics system.



Key Features

Operational Within One Hour of Unboxing

Stable Operation with Reliable Navigation

One-piece die-cast construction using aerospace-grade materials

Simple, Intuitive Operation

Built for Complex Environments

24/7 Continuous Operation

Industrial-Grade Standards for Safety and Reliability

Product Introduction



PUDU T150 Standard Version

Product Specifications

	T150 Standard	T150 Lifting
Machine Dimensions	835mm×500mm×1350mm(32.8 in × 19.7 in × 53.1 in)	
Machine Weight	65KG (143.4lbs)	81KG (178.57lbs)
Maximum Payload	150KG (330.7 lbs)	
Battery Capacity	30 AH	
Charging Time	2h (0%-90%)	
Operating Time	12h (no-load)	
Maximum Operating Speed	0.2~1.2 m/s (0.66~3.94 ft/s)	
Navigation Method	VSLAM+LiDAR	
Minimum Passable Width	60cm (23.6 in)	
Step-Climbing Capability	20 mm (0.79 in)	
Gap-Crossing Capability	35 mm (1.38 in)	
Operating Environment	0 ℃~ 40 ℃ (32°F ~ 104°F)	



Dual Configurations for Versatile Applications

The PUDU T150 is available in two configurations—Standard and Lifting—further enhancing its adaptability and versatility across a wide range of applications. This flexible configuration strategy enables precise alignment with diverse transport requirements, improving overall operational efficiency while streamlining logistics workflows. As a result, material handling becomes more efficient, seamless, and uninterrupted, helping users achieve a more stable and highly efficient automated transport experience.



PUDU T150 Standard



PUDU T150 Lifting

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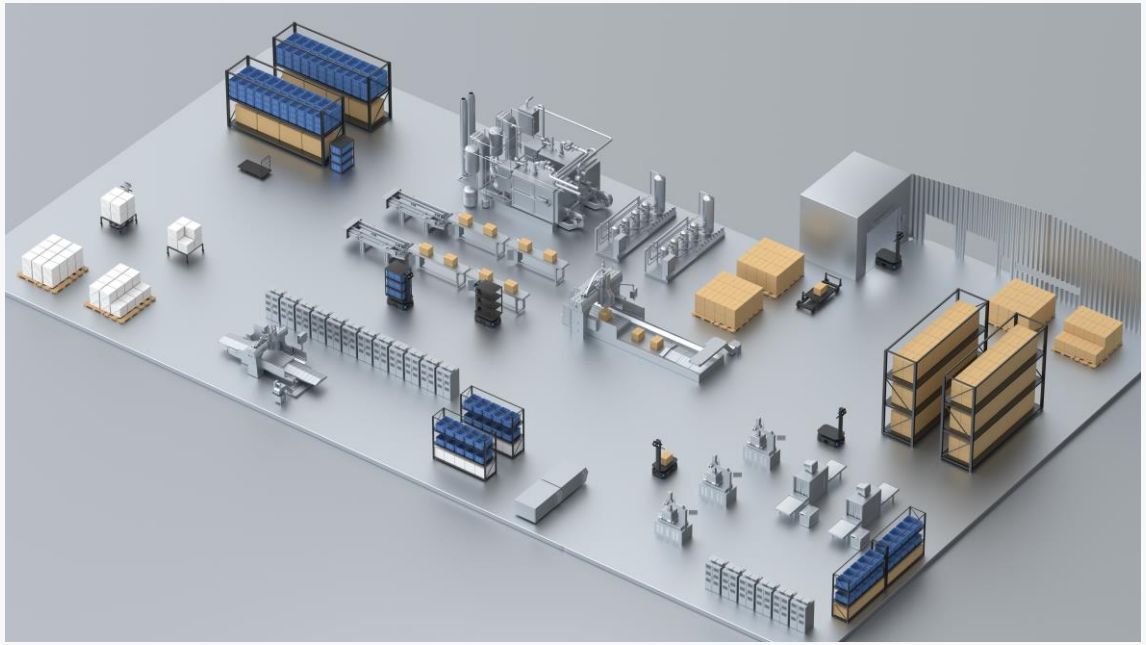
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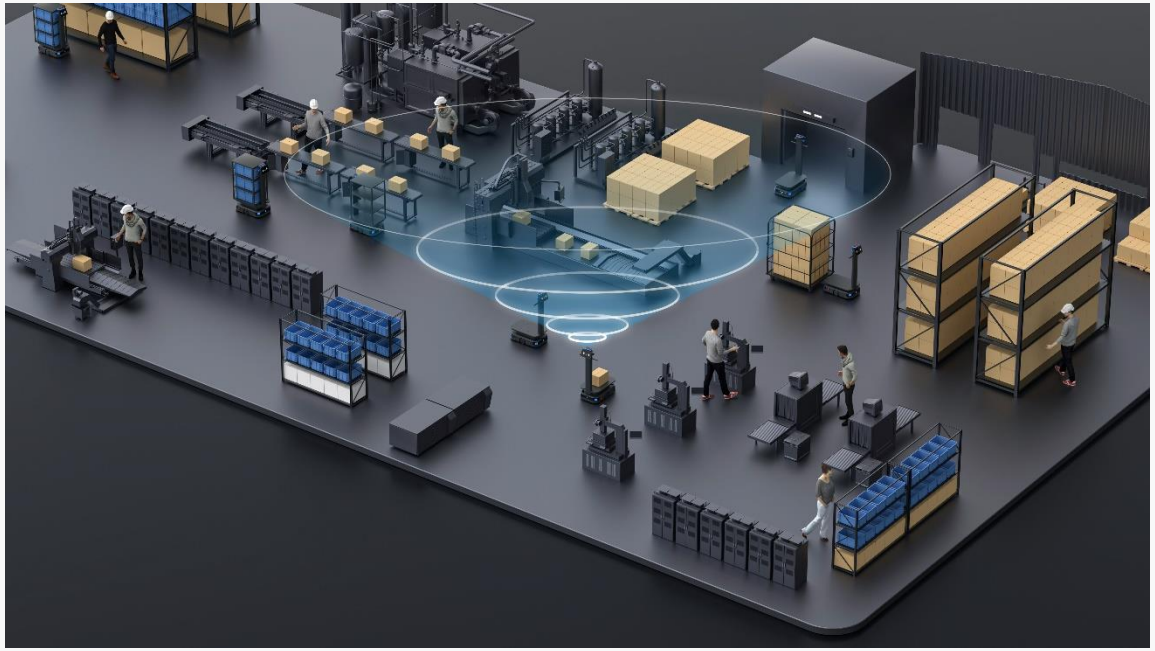
Operational in One Hour

Deployment is reduced to hour-level timelines, eliminating the need for site modifications or server setup. The T150 enables rapid commissioning, allowing users to validate automation ROI at minimal cost and accelerate production line upgrades. Deployed, activated, and delivering value on the same day, it truly delivers a plug-and-play industrial automation experience.



Stable Operation with Reliable Navigation

Powered by VSLAM and dual LiDAR fusion, the system builds precise maps using ceiling feature points and updates them in real time to maintain accurate localization despite environmental changes. With 360° all-around perception, it delivers consistent and stable navigation, ensuring long-term reliable operation in complex industrial environments.



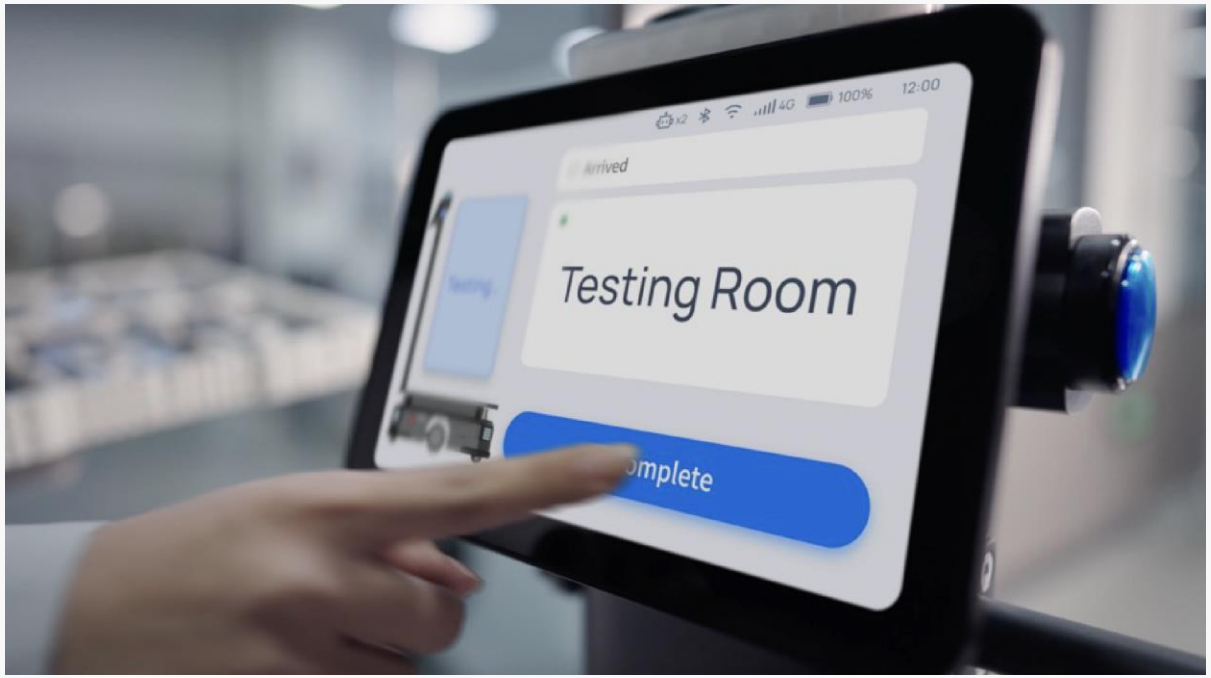
One-piece die-cast construction using aerospace-grade materials

Built with one-piece construction and aerospace-grade high-strength materials, the robot features a robust and durable structure with enhanced resistance to impact and deformation. It is designed for high-frequency, long-duration operations, ensuring stable performance in demanding industrial environments. With a service life of up to five years, it significantly reduces maintenance needs and replacement costs.



Simple, Intuitive Operation with Zero Learning Curve

Featuring an intuitive, tablet-like onboard display, the robot allows users to easily assign or cancel tasks, switch modes, and adjust parameters. Powered by PUDU's proprietary system, it requires no training to operate and supports multiple control options—including the onboard screen, Pager, PUDU Link, and API—significantly lowering operation and management complexity while improving overall efficiency.




Peripheral Interface


PUDU Link (App)


Pager


Elevator Control Module


E-gate Control Module


Bluetooth Speaker

Built for Complex Environments

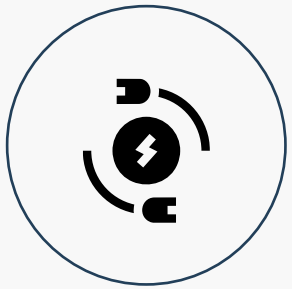
By fusing RGBD cameras with 360° dual LiDAR and AI-driven multi-
level navigation and obstacle avoidance algorithms, the robot delivers precise, smooth movement in narrow, cluttered industrial environments.



24/7 Continuous Operation

Delivers up to 12 hours of runtime (no load) with 2-hour fast charging.

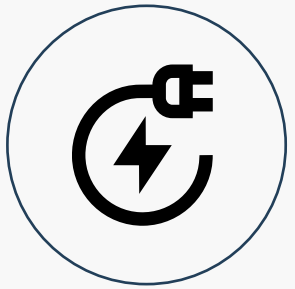
Supports battery swapping, docking station charging, and wired charging, ensuring continuous operation for around-the-clock applications.



Fast Battery Swapping



Automatic Recharging



Wired Charging

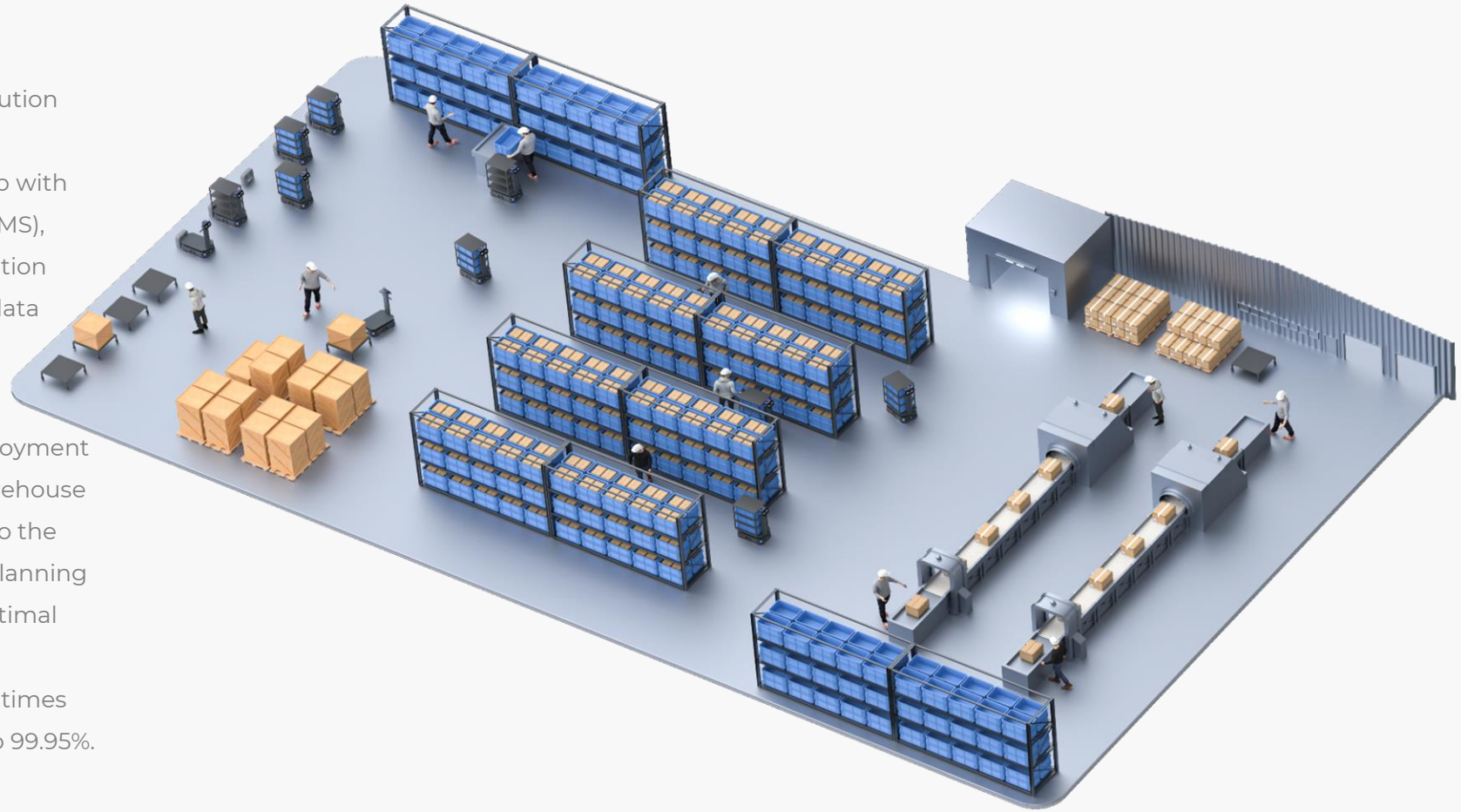
Industrial-Grade Standards for Safety and Reliability

Compliant with ISO 3691-4 and certified with CE marking for industrial delivery robots, ensuring safe, reliable operation and stable production, while delivering professional-grade compliance and quality assurance.



Order-to-Person Solution

- The PUDU T150 intelligent warehouse solution achieves a deeply integrated system by combining a cloud-based computing hub with the Warehouse Management System (WMS), establishing an automated picking operation framework that enables real-time order data processing and coordinated multi-robot scheduling.
- This solution adopts a non-intrusive deployment model, allowing it to adapt to diverse warehouse layouts without requiring modifications to the existing environment. Its dynamic path planning algorithm continuously calculates the optimal route for the robot, enabling a daily order processing capacity increase of up to 2–3 times and achieving a picking accuracy of up to 99.95%.



①Order Wave Generation ②Task Acquisition ③Intelligent Picking ④Automatic Transport ⑤Order Verification

Order-to-Person Solution

200%

Increased UPH

Smart scheduling algorithms significantly boost processing efficiency per unit time.

99.95%

Picking Accuracy

The system ensures highly precise picking operations.

1-2 Years

ROI Period

Substantially reduces operational costs and delivers a fast return on investment.

Minute-level mapping

Rapid Deployment

Flexible setup with no need for warehouse modifications.

Intelligent

Multi-Robot Collaboration

Cloud-based computing enables seamless coordination across multiple robots.

Seamless

System Integration

Deep integration with WMS for real-time data synchronization.

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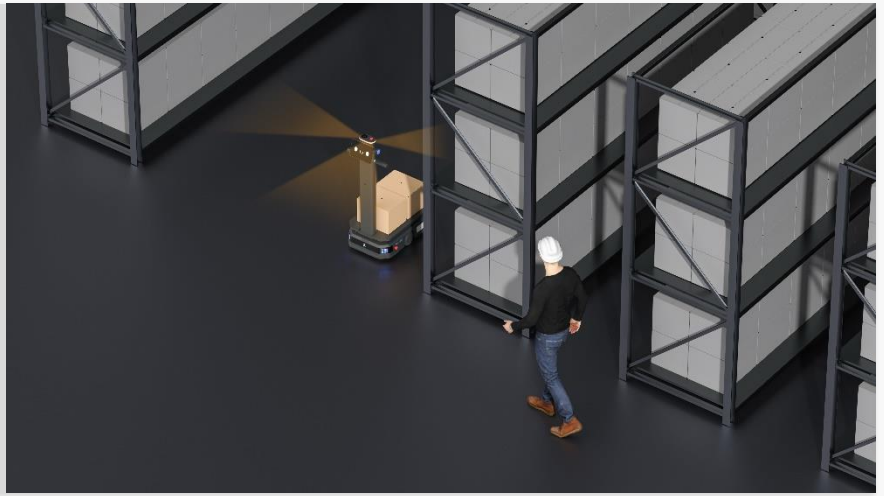


Enhanced Efficiency

The T150 increases operational throughput by autonomously navigating through industrial environments, reducing delivery times and increasing productivity.

Improved Safety

With advanced sensors and safety features, the T150 minimizes the risk of accidents in the workplace by detecting and avoiding obstacles, ensuring safer interactions between machines and human workers.

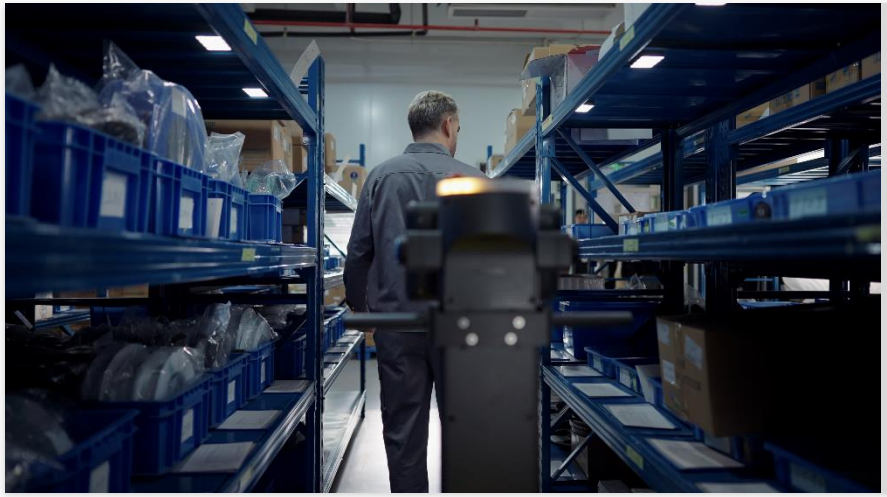


Product Value

For Customization

The T150 can be customized with different attachments or software configurations to meet specific industrial needs, ensuring it can adapt to various tasks and environments without requiring multiple separate machines.





For Sustainability

The T150 is engineered for optimal energy use, featuring advanced lithium-ion battery technology and energy management systems that ensure longer operation times while consuming less power, thus decreasing overall energy costs and environmental impact.

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Common Features

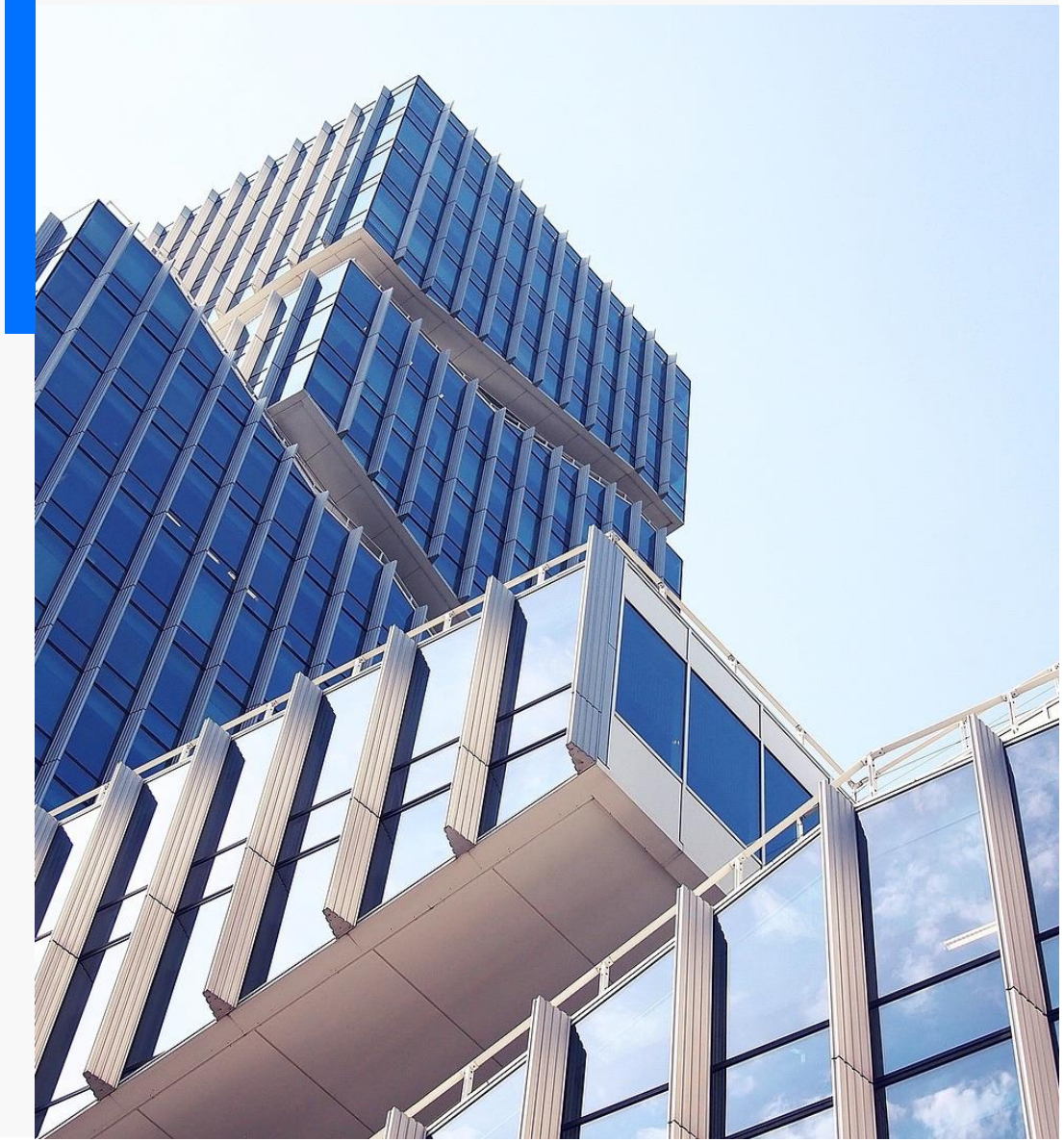
Product Value

About PUDU

Pudu Robotics

Pudu Robotics, a global leader in the service robotics sector, is dedicated to enhancing human productivity and living standards through innovative robot technology.

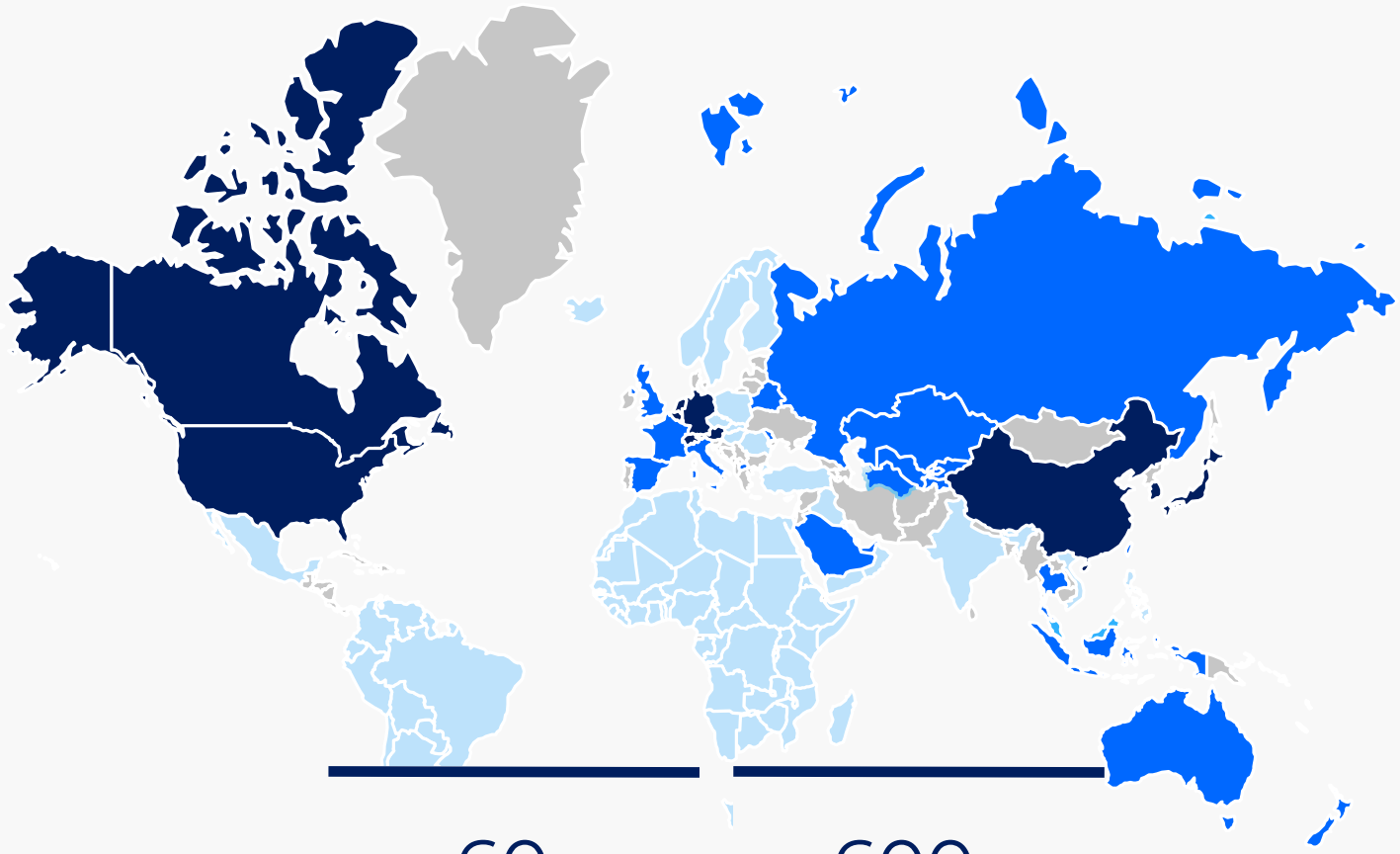
With a focus on R&D, manufacturing, and sales of service robots, Pudu Robotics holds nearly a thousand authorized patents worldwide, encompassing a wide range of core technologies. The company's robots have been widely adopted in various industries, including dining, retail, hospitality, healthcare, entertainment, education and manufacturing. To date, Pudu Robotics has successfully shipped over 90,000 units to a variety of markets, with a presence in more than 60 countries and regions worldwide.



Scale Advantage

Globalization

Pudu Robotics has established a business presence in North America, Europe, East Asia, Asia-Pacific, the Middle East and Latin America. The products have been exported to more than 60 countries and regions around the world, covering more than 600* cities worldwide. Pudu Robotics has established a trustworthy international brand image and become one of the representative enterprises of China's "intelligent" manufacturing abroad.



60+

Cover more than 60 countries and regions

600+

Over 600 cities

Cooperation

80% **The market share of Top 100 restaurant clients** **40,000+** Deployed Store



Catering Partners

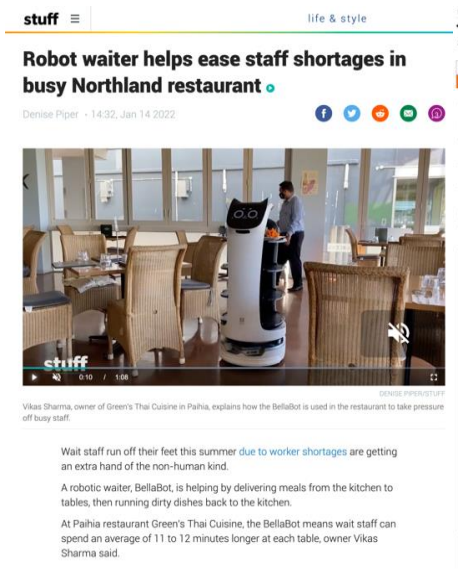


Non-Catering Partners



Software and Hardware Partners

Media Coverage


stuff

life & style

Robot waiter helps ease staff shortages in busy Northland restaurant

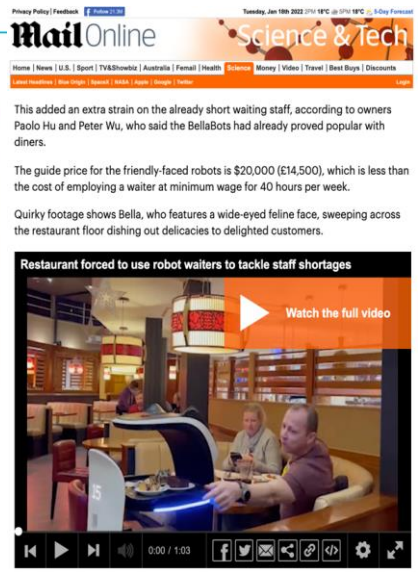
Denise Piper · 14:32, Jan 14 2022

Vikas Sharma, owner of Green's Thai Cuisine in Paihia, explains how the BellaBot is used in the restaurant to take pressure off busy staff.

Wait staff run off their feet this summer due to worker shortages are getting an extra hand of the non-human kind.

A robotic waiter, BellaBot, is helping by delivering meals from the kitchen to tables, then running dirty dishes back to the kitchen.

At Paihia restaurant Green's Thai Cuisine, the BellaBot means wait staff can spend an average of 11 to 12 minutes longer at each table, owner Vikas Sharma said.


Mail Online

Science & Tech

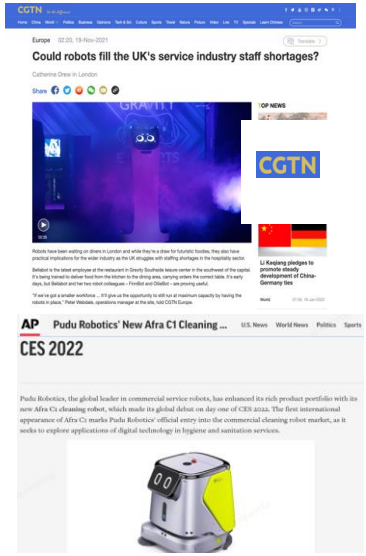
This added an extra strain on the already short waiting staff, according to owners Paolo Hu and Peter Wu, who said the BellaBots had already proved popular with diners.

The guide price for the friendly-faced robots is $20,000 (£14,500), which is less than the cost of employing a waiter at minimum wage for 40 hours per week.

Quirky footage shows Bella, who features a wide-eyed feline face, sweeping across the restaurant floor dishing out delicacies to delighted customers.

Restaurant forced to use robot waiters to tackle staff shortages

Watch the full video

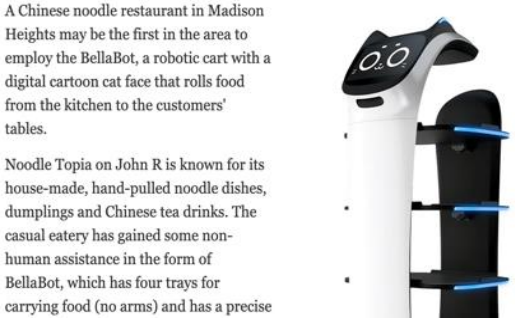

CGTN

Could robots fill the UK's service industry staff shortages?

CGTN

AP Pudu Robotics' New Afra C1 Cleaning ...

CES 2022


RESTAURANTS + BARS

Madison Heights restaurant uses a robot to deliver food to tables

Melody Baetens
The Detroit News

Published 12:51 p.m. ET Aug. 16, 2021 | Updated 9:28 a.m. ET Aug. 18, 2021

View Comments

A Chinese noodle restaurant in Madison Heights may be the first in the area to employ the BellaBot, a robotic cart with a digital cartoon cat face that rolls food from the kitchen to the customers' tables.

Noodle Topia on John R is known for its house-made, hand-pulled noodle dishes, dumplings and Chinese tea drinks. The casual eatery has gained some non-human assistance in the form of BellaBot, which has four trays for carrying food (no arms) and has a precise

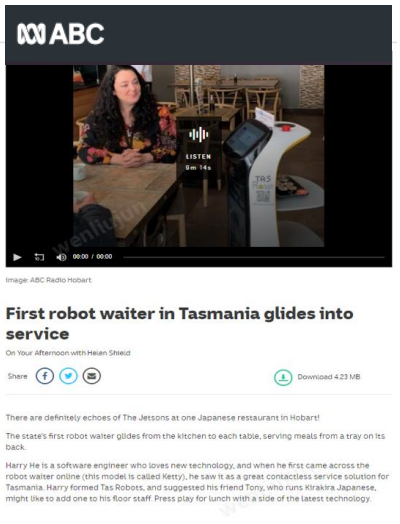

ABC

Image: ABC Radio Hobart

First robot waiter in Tasmania glides into service

On Your Afternoon with Helen Shield

There are definitely echoes of The Jetsons at one Japanese restaurant in Hobart!

The state's first robot waiter glides from the kitchen to each table, serving meals from a tray on its back.

Harry He is a software engineer who loves new technology, and when he first came across the robot waiter online (this model is called Ketty), he saw it as a great contactless service solution for Tasmania. Harry formed Tas Robots, and suggested his friend Tony, who runs Kirakira Japanese, might like to add one to his floor staff. Press play for lunch with a side of the latest technology.

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Mail Online · The Star · stuff · 9NEWS · Bloomberg · Forbes · AP · The Detroit News



Thank you!

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