Key Client



S.P.A.R.C Technologies is a commercial service robotic distributor focused in providing businesses with the newest technological support to save costs, increase operating efficiency and maximize guest experience in the post-pandemic world.

We are the Canadian distributor of Pudu commercial service robots, and offer a line of products designed for the real world that work alongside your team to assist in production on multiple scenarios.

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PUDU ROBOTICS

BellaBot Premium Delivery Robot





Features

Upgraded All-New Delivery Capabilities

Masterful in delivery, cruising, and escorting guests.

ုစဥ္ျIndustry First Dual SLAM Technology

Support both Visual SLAM and Laser SLAM navigation solutions for full coverage in any scenario.

R Four Core Escort Functions

Centimeter-level real-time positioning, high-precision mapping optimal route planning, and 0.5 second instant response for obstacle avoidance.

Superlative Trafficability - Stable Operations A minimum clearance at 70cm, and auto-level suspension to ensure smooth and steady operations.

Industry First Robot Power Exchange Technology

12~24 hours ultra-long battery life, the quick-release battery can also achieve 24/7 operations around the clock.

ු Pudu Cloud Service

Intelligent Cloud Scenarios & Robot Service Cloud provide data support for scenario-based operations.

Overall Size	565×537×1290mm		
Robot Weight	57kg		
Machine Material	ABS/Aviation grade aluminum alloy		
Charging Time	4.5H		
Battery Life	12~24H (Replaceable Battery)		
Cruising Speed	0.5~1.2m/s (Adjustable)		
Overall Load	40kg		
Load Capacity Per Tray	10kg		
Positioning Method	Marker Positioning: Supports a maximum height of 8 meters (ontional biob-level code)		

Laser Positioning: Code-free with no height restrictions

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Enclosed Dish Cover

3 layers of large space, magnetic door opening method, contactless delivery, safer service.

Cover material	Plexiglass / Mg-Al alloy		
Cover weight	16kg		
Cover dimensions	514*420*677mm		
Load capacity	3 trays, 10 kg/tray		
Door opening method	Magnetic Switch		

Multimodal Interaction

Light interaction, touch feedback and smart expression bring an unprecedented human robot interaction experience.





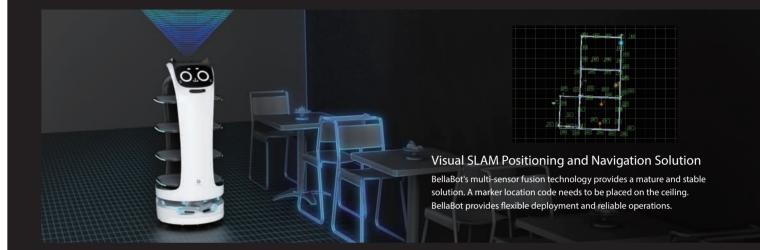
Independent Interlinked Suspension

The newly developed interlinked suspension in automotive grade can adapt to surface undulation, effectively reduce the shake due to floor roughness and achieve excellent running ability.

Intelligent Tray

The modular quick release structure and intelligent infrared sensing ability create intelligent trays and a more efficient delivery.





Laser SLAM Positioning and Navigation Solution

Laser SLAM supports unlimited heights and does not require location code stickers. Simple to deploy, it supports multiple starting points and is more dependent on the surrounding environment than the marker positioning, making it more suitable for installation and deployment in sites with specific requirements.

