

PuduBot 2

Universal Delivery Robot · by **Pudu Robotics** · supplied & supported in the UK by **GO Robotics**

BASIC & DURABLE



PuduBot 2 is the model we recommend when the priority is simple: move as much as possible, as reliably as possible, in as many different rooms as possible.

It carries up to **40 kg** across a tray stack you can configure from three shelves up to seven, and runs a full **12–15 hour** day on one charge. Because it navigates without ceiling markers, a typical site is mapped and working in a fraction of the usual commissioning time.

40 kg

TOTAL PAYLOAD

3–7

CONFIGURABLE TRAYS

15 h

RUNTIME, FULL LOAD

40,000 m²

MAPPING CAPACITY

KEY CAPABILITIES

- 1 Marker-free deployment**
No ceiling stickers, no rails, no building works. Deployment time is cut by roughly 75% versus marker-based systems, and layout changes don't mean re-tagging the ceiling.
- 2 Dual LiDAR, 360° awareness**
Two laser scanners give complete all-round coverage, so the robot sees people and obstacles approaching from any direction — including low trolleys and chair legs.
- 3 30% more stable in motion**
Re-engineered chassis and motion control keep full glasses upright. Acceleration and cornering profiles are tuned for liquid loads.
- 4 Four working modes**
Delivery for point-to-point runs, **Dish Return** for clearing, **Cruise** for roaming service and promotion, and **Birthday** for celebration moments.

Configure the tray stack to the job

Three deep shelves for plated food, up to seven shallow shelves for high-count small items. Trays are re-configurable on site — the same robot can serve breakfast and then run stock in the afternoon.

Geoff Stillman

Sales Director

GO ROBOTICS AI LTD

EMAIL geoff@gorobotics.co.uk

MOBILE **07826 286001**

PHONE **01285 414561**

PHYSICAL	
Dimensions (W × D × H)	580 × 535 × 1290 mm
Weight	39 kg
Tray size	520 × 432 mm
Number of trays	3 standard, up to 7
Maximum total payload	40 kg
MOVEMENT	
Cruise speed	0.5 – 1.2 m/s (adjustable)
Minimum passage width	800 mm
Mapping capacity	Up to 40,000 m ²
POWER	
Runtime (unloaded)	12 hours
Runtime (fully loaded)	15 hours
Charging time	4 hours
Charging method	Wired + autonomous docking

SENSING & NAVIGATION	
Navigation	Marker-free SLAM
Primary sensing	Dual LiDAR, 360° coverage
Obstacle avoidance	Multi-sensor fusion, dynamic re-routing
Motion stability	+30% vs. previous generation
CONNECTIVITY	
Wireless	Wi-Fi, 4G, LoRa
Wired / accessory	USB Type-C
Fleet management	Cloud dashboard, remote monitoring

5 Multi-table delivery

One trip, several destinations. The robot sequences its own route so a single journey can serve an entire section.

WHERE IT FITS

- **Restaurants & pubs** — food running and dish return during peak covers
- **Hotels** — breakfast service, banqueting, back-of-house transfers
- **Hospitals & clinics** — meal trays, linen, samples and consumables
- **Care homes** — dining service and repeat deliveries to lounges
- **Retail** — replenishment from stockroom to shop floor
- **Manufacturing & warehousing** — tools, parts and paperwork between stations
- **Offices** — post, refreshments and internal courier runs

6 Large-site mapping

Up to 40,000 m² of mapped floor area — enough for a full hotel floor, a hospital wing or a distribution facility.

SUPPLIED BY GO ROBOTICS

- Free site survey and written recommendation
- Installation, mapping and commissioning
- On-site staff training and documentation
- Charging dock and accessories as specified
- Fleet management platform access
- UK-based support, diagnostics and warranty

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