

MEET GOPAL

Our **GoPal** solution set new standards for flexibility and safety in robotization of internal pallet transport



Our GoPal autonomous mobile robots can be onboarded in a few days and requires almost no site adaptation or hand-holding. You get all the benefits of automation – and none of the hassle

TECHNICAL DATA

GOPAL U24W

APPLICATION

Autonomous transportation robot with a dedicated design to handle very high loads on US and UK pallets.

DIMENSIONS

Length x Width x Height	1400 x 1060 x 340 mm
Robot weight	242 kg

PERFORMANCE

Battery time	6-14 hours or up to 20 km*
Maximum speed	2 m/s (7.2 km/h)
Turning radius	1050 mm (from robot center)

SAFETY

Laser scanners with 360° protection
4 x emergency stop buttons
Mechanical bumper with 360° protection

ADDITIONAL OBSTACLE AVOIDANCE SENSORS

3 x 3D camera. Two in the front and one in the back of the robot

ELECTRICAL

Battery	LiFePO4, 48 V
Battery charge time	45 min (full charge)
Number of charges	About 5000 charges

CHARGER INTERFACE

Automatic docking interface in front of the robot
Connector in back of the robot for manually charging

**depending on load conditions*

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WIFI CONNECTION

WiFi 802.11ac

ENVIRONMENTAL

Operating temperature -10°C – 45 °C
Humidity max. 95% non-condensing

FLOOR REQUIREMENTS

Slope average (max) Up to 10% *
Friction coefficient (min) 0.6
Maximum height of obstacles 3 mm

LOAD

Maximum payload 1200 kg
Length (max) 1240 mm
Width (max) 1020 mm
Height (max) 2400 mm*

PALLET TYPES

Specifically designed for US and UK pallets

PALLET CONDITION

Undamaged, original strength maintained

RECOMMENDED LANE CONDITIONS

Operational lane width 220 cm
High speed lane width 320 cm

**depending on load conditions*

robotize



Robotize is advanced internal
logistics made safe and simple



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