



## AUTONOMOUS PALLET TRANSPORT MAX. 1.0 T

robotize

### NEW STANDARDS FOR YOUR INTRALOGISTICS AUTOMATION THE AUTONOMOUS MOBILE PALLET TRANSPORTERS FROM ROBOTIZE

With the Robotize GoPal model family, we automate your pallet transport in a wide range of industries and set new standards in flexibility, efficiency and safety. Robotize provides a complete solution with all necessary accessories that can be easily integrated into your current workflow. The driverless transport system is available in four model variants from 425 kg to 1.2 t payload - optionally as part of a comprehensive industry 4.0 automation system or autonomously.

For loading or unloading, the Robotize GoPal parks in pallet stations under Euro or industrial pallets and lifts them up or drops them down. Depending on your requirements, you can configure your GoPal solution individually from a selection of different stations, e.g. with interface conveyors or as a lifting station. In any case, you obtain a collaborative system for safe interaction with people.

Without any adjustments to your plant layout, floor markings or reflectors, the autonomous mobile robot is easily integrated into the existing production environment within a few days and navigates *plug & transport* within the initially mapped environment completely autonomously. As a single robot or part of a fleet. The only structural requirement is a functioning WIFI network in the respective work area.

#### TYPICAL SECTORS & INDUSTRIES FOR THE USE OF ROBOTIZE

• **Automotive** • **Engineering** • **Electronics** • **Commerce** • **Medical Technology** • **Food Industry**  
• **Filtration Industry** • **Foam Industry**



### FEATURES, FACTS & BENEFITS YOUR PRODUCT ADVANTAGES

- **Compact & agile**  
small turning circle, for loads up to 1.0 t
- **Collaborative & safe**  
for interaction with people; rerouting of dynamic obstacles, alternative route finding if necessary
- **Contactless intralogistics**  
across departments & the entire site
- **Flexible use**  
with high customizability for different applications, loads & pallet types; many equipment options
- **Easy handling**  
intuitive programmability & automatic loading processes
- **Full transparency**  
user-oriented real-time insights into missions via WIFI
- **Full system compatibility**  
for integration with your ERP/GMS
- **Fleet ready**  
for a coordinated AMR fleet

## TECHNICAL SPECIFICATIONS ROBOTIZE \*

### GOPAL 400



Max. load capacity:	425 kg
Dimensions (LxWxH):	1,400 x 860 x 315 mm
Empty weight:	175 kg
Speed:	max. 8.6 km/h (2.4 m/s)

### GOPAL E24



Max. load capacity:	1,000 kg
Dimensions (LxWxH):	1,400 x 860 x 340 mm
Empty weight:	187 kg
Speed:	max. 7.2 km/h (2.0 m/s)

### GOPAL 400 / E24

### COMMON PARAMETERS

Battery & Power:	LiFePO4 (lithium iron phosphate battery)
Performance duration:	6-14 hrs. (depending on application)
Charging time:	45 minutes
	automatic charging
Battery life:	> 5,000 cycles
Communication:	WIFI

### Environmental conditions

Recommended Passage:	min. 1,200 mm / average approx. 2,000 mm / for high speed approx. 3,000 mm
Floor:	dry/smooth
Slope:	< 10%
Uneven floor:	< 4 mm
Temperature range:	-10 to 45 °C
Rel. Humidity:	max. 95% (non-condensing)

Pallets:	Standard EUR; Standard 1/2 EUR 1,000 x 1,200 mm (3 struts)
Maximum load dimension:	1,240 x 820 x 2,400 mm (LxWxH)
Turning radius:	850 mm (middle of robot)
Safety:	CE conformity

### Safety system

2x Hokuyo safety laser scanner for 360° all-round visibility (safety class PL level, EN 13849-1/d, cat 3)
All-round emergency stop bumper at floor level with 6x integrated signal lamps
1x spotlight on floor (direction of travel)
2x 3D camera front / 1x 3D camera rear
4x emergency stop switch
Acoustic & visual signaling / pointer
Optional: Warning light (see accessories)

\* Specifications as provided by the manufacturer at the time of printing; subject to change & errors excepted.

## OUR COMPREHENSIVE SERVICES AS AMR INTEGRATOR



Test Installation



Commissioning



Fleet Management



Maintenance & Service



Safety & Consulting



Education & Training

Find extensive accessories like pallet stations, pallet lift, pallet dispenser, loading station, control elements, sensors, additional warning lights online.



## GET TO KNOW US

As the largest manufacturer-independent integrator of automated guided vehicles in Europe, we deliver the perfect solution for the automation of your intralogistics tasks in industry, service, trade & crafts within the HAHN Robotics Network.

Get your company's logistics future-ready with us!

**MOBILE ROBOTS** 

by **HAHN ROBOTICS** - part of the **HAHNGROUP**

next to you at the **HAHN ROBOTICS** locations