MOBILE ROBOTS

AUTONOMOUS PALLET TRANSPORT MAX. 1.2 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 1.2 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

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TECHNICAL SPECIFICATIONS ROBOTIZE *

GOPAL E24W

Pallets:	Standard EUR
	Industry EUR pallets, 1/2 pallets
	or similar for heavy payloads
Empty weight:	215 kg
Slope:	< 5%

GOPAL U24W

Pallets:	US / UK pallets
	for heavy payloads
Empty weight:	242 kg
Slope:	< 10% (load-dependent)

GOPAL E24W / U24W   COMMON PARAMETERS

Max. load capacity:	1,200 kg	Temperature range:	-10 to 45 °C
Dimensions (LxWxH):	1,400 x 1,060 x 340 mm	Rel. Humidity:	max. 95% (non-condensing)
Turning radius:	1,050 mm (middle of robot)	Maximum load dimension:	1,240 x 1,020 x 2,400 mm (LxWxH)
Speed:	max. 7.2 km/h (2.0 m/s)		
Battery & Power:	LiFePO4 (lithium iron phosphate battery)		
Performance duration:	6-14 hrs. (depending on application)	Safety:	CE conformity
Charging time:	45 minutes		
	automatic charging	Safety system	
Battery life:	> 5,000 cycles	2x Hokuyo safety laser scanner for 360° all-round visibility	
Communication:	WIFI	(safety class PL level, EN 13849-1/d, cat 3)	
		All-round emergency stop bumper at floor level with	
Environmental conditions		6x integrated signal lamps	
Recommended Passage:	min. 1,400 mm /	1x spotlight on floor (direction of travel)	
	average approx. 2,300 mm /	2x 3D camera front / 1x 3D camera rear	
	for high speed approx. 3,000 mm	4x emergency stop switch	
Floor:	dry/smooth	Acoustic & visual signaling / pointer	
Uneven floor:	< 3 mm	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

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.

Let us talk about your challenges and get your company's logistics future-ready with our strong team!

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

by **DAHL** ROBOTICS