



AUTONOMOUS PALLET TRANSPORT MAX. 1.0 T



IN GERMANY AND SWITZERLAND EXCLUSIVELY WITH US THE COMPACT DRIVERLESS TRANSPORT SYSTEM FOR PALLETS

By autonomously transporting pallets weighing up to 1,000 kg, the Nipper Pallet Truck helps to significantly reduce your operating expenses; you can certainly use your personnel more sensibly for less monotonous tasks.

The most compact transport robot currently available, which picks up pallets or grid boxes directly from the ground with its forks, does not require any transfer stations for its intra-logistics tasks. The reliable precision that the driverless transport system covers its distances with at a maximum speed of 1 m/s also applies to maneuvering, shunting and precise placement of the goods. For maximum exact positioning, the AGV achieves an accuracy of +/- 1 cm and +/- 1° through its integrated industrial encoders and laser scanners.

Equipped with a comprehensive safety system (see Technical Specifications), the Nipper Pallet Truck works collaboratively in environments where humans are active. Hereby, the mobile robot meets the strictest safety requirements and actively helps to prevent operational accidents and damage.

TYPICAL SECTORS & INDUSTRIES FOR THE USE OF NIPPER PALLETTRUCK

• Automotive • Engineering • Electronics • Cosmetics • Food • Medical Technology



FEATURES, FACTS & BENEFITS YOUR PRODUCT ADVANTAGES

- **Compact & agile**
small turning circle, for loads up to 1 to
- **Collaborative & safe**
for autonomous transport in dynamic environments & interaction with people
- **Contactless intralogistics**
across departments & the entire site
- **Flexible use**
does not require infrastructural or process adjustments, WIFI communication
- **Easy handling**
intuitive programmability & automatic loading processes
- **Full transparency**
user-oriented real-time insights into missions via various end devices
- **Full system compatibility**
for integration with your ERP/GMS
- **Fleet ready**
for a coordinated combination of a variety of autonomous platforms

TECHNICAL SPECIFICATIONS NIPPER PALLETTRUCK *

Dimensions (LxWxH)	1,611 x 673 x 1,696 mm	Max. load capacity:	1,000 kg
Empty weight:	229 kg	Pallets:	800 x 1,200 mm, 1,000 x 1,200 mm (3 struts)
Position accuracy:	+/- 10 mm	Maximum load height:	2,300 mm
Speed:	max. 3.6 km/h (1.0 m/s)	Lift:	130 mm (93 to 223 mm)
Battery & Power:	LiFePO4 24V/2x420W/h	Safety:	CE conformity
Performance duration:	4-5 hrs. (depending on application)		Performance level: D
Charging time:	30 minutes for 20-80 % automatic charging	Safety system:	
Charging station:	Dual charger 2x 230V~ 50Hz 3,2A and 2x 29V-17A	3x Laser scanner Sick 2D Lidar 360°, H= 2-2.5 m 4x emergency bumper at floor level Force control	
TTO:	15,000 h	2x emergency stop switch	
Control system:	BlueBotics ANT®	1x BlueSpot, directional guide	
Communication:	WIFI	Acoustic & visual signaling	
Environmental conditions:	Floor dry/smooth Slope < 3% Unevenness < 5 mm Temperature range 0-30 °C Rel. Humidity 95% non-cond.		

* 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!



MOBILE ROBOTS

by DAHL ROBOTICS