

Designed for continuous operation in mixed-traffic environments, our autonomous pallet and dolly transport supports stable, scalable material flow across production and logistics.

Proven in industry, trusted in traffic

Integration	Idealworks OS
Communication Interface	VDA 5050
Safety Certification	CE, ANSI RIA15.08
Obstacle Detection	< 200 mm (7.87")
Maximum Payload	1,000 kg (2,204 lbs)
Top Speed	2.2 m/s (4.9 mph)
Ambient Temperature	5°C – 45°C (41°F – 113°F)
Humidity	50% to maximum 45°C (113°F)
Dimensions (L x W x H)	1,440 × 641 × 222 mm (17.32" x 25.24" x 0.87")
Weight	175 kg (385 lbs)
Power	48 V battery
Charger	230V
Drive Concept	Differential
Navigation	SLAM (LiDAR)
Battery Life	8+ hours runtime
Connectivity	5GHz WiFi
Safety Features	360° safety field, 3D obstacle avoidance
Extensions	Pallet dock, conveyor belt

Application Areas

With a high payload capacity of 1,000 kg (2,204 lbs), the robot transports various dolly types at speeds of up to 2.2 m/s (4.9 mph). Optional pallet extensions enable smooth handling of multiple pallet types for greater versatility.

Highly Flexible

It is compatible with more than 20 different load carriers, supporting a wide range of use cases. Its high reliability, combined with seamless implementation, allows for fast and easy scalability across additional applications.

Smart Navigation

Built for autonomous navigation in dynamic environments, it operates without the need for additional infrastructure adaptations. Powered by AI-driven, smart decision-making, it safely maneuvers through mixed traffic.

We facilitate your intralogistics challenges and aspirations. Please reach out at sales@idealworks.com.

