

AUTONOMOUS PALLET HANDLING AGV

K50 Pallet Mover Series

Autonomous movement of heavy pallets with SLAM navigation.

3,000 kg
payload

1.2 m/s

SLAM

VDA5050
compatible

APPLICATION

Series of autonomous forklifts for transporting high-tonnage pallets. It replaces repetitive manual movements and connects receiving, staging, production and warehouse areas with 360° safety.

Key applications

- Transport of pallets up to 2T or 3T
- Receiving to staging or production line
- Replacement of manual pallet trucks
- High-volume, 24/7 operations

TECHNICAL SPECIFICATIONS

Model	K50-S2002 / K50-S3002
Dimensions	1730 x 942 x 1920 mm / 1740 x 950 x 2118 mm
Lift height	205 mm / 204 mm
Maximum payload	2,000 kg / 3,000 kg
Maximum speed	1.2 m/s / 1 m/s
Navigation	SLAM
Safety	360° laser coverage
System	Bidirectional + in-place rotation

KEY INDUSTRIES

Automotive

Manufacturing

Logistics

Pharma & Health

Food & Beverage

Electronics

Retail

About Kivnon Robotics

Founded in Barcelona in 2009, Kivnon designs, manufactures and implements AGV and AMR solutions for intralogistics worldwide. With 16+ years of experience and 6,000+ mobile robots deployed, we deliver continuous, zero-downtime automation for the most demanding industries.

16+

Years

6,000+

Robots

Global

Reach

Part of Cap Capital · Green Robotics Division · Backed by 52M€ social capital



Key Features

- **Autonomous pallet flow** - Connects receiving, staging, production and warehouse areas.
- **3,000 kg payload** - Transports heavy pallets in high-tonnage flows.
- **360° safety** - Laser coverage for high-volume continuous operation.
- **SLAM navigation** - Autonomous operation without floor infrastructure.

3,000 kg Payload capacity	1.2 m/s Max speed	205 mm Lift height	SLAM Navigation
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SLAM Navigation - Autonomous Pallet Handling

The K50 Pallet Mover Series transports high-tonnage pallets between receiving, staging, production lines and warehouse zones. Its SLAM navigation supports autonomous pallet flow with 360° laser safety, bidirectional movement and in-place rotation for demanding operations.

- Pallet flow
- 360° safety
- SLAM navigation
- In-place rotation

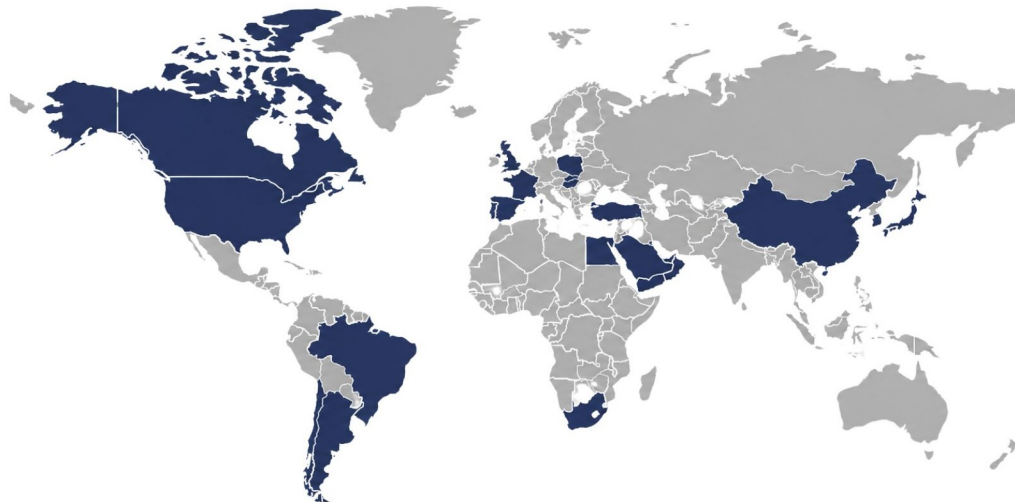
VDA5050
READY

Seamless integration into multi-vendor fleets, Fleet Manager and WMS.

Global Partner Network

A worldwide network of certified integrators, distributors and technology partners ensures local implementation, after-sales service and continuous support.

- Europe
- Americas
- Asia-Pacific
- Middle East



Trusted by global industry leaders

- Gestamp
- Benteler
- Adient
- Alps Alpine
- SIG
- Citroën
- Ford

Ready to automate your intralogistics?

We design end-to-end AGV/AMR solutions tailored to your facility.