

BIDIRECTIONAL HEAVY TOWING | AMR

K11 Two-way Mouse

Bidirectional heavy transport for critical aisles and flexible layouts.

1,200 kg / 600 kg

depending on configuration

1 m/s

Magnetic guidance / Mapping

VDA5050

compatible

APPLICATION

Bidirectional evolution of the K10 Mouse for transporting large loads without requiring wide maneuvers. It can operate with magnetic guidance / Mapping, making it easier to adapt to more dynamic environments.

Key applications

- Heavy towing in narrow spaces
- Sequencing and line delivery
- Routes with changes or operator-robot coexistence
- Integration with fleets and plant systems

TECHNICAL SPECIFICATIONS

Model	K11
Dimensions	1898 x 460 x 331 mm
Direction	Bidirectional
Maximum payload	1,200/600 kg depending config.
Maximum speed	1 m/s
Navigation	Magnetic guidance / Mapping
Safety	Front scanner
Transport system	PIN

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



Onboard control panel & status display

Key Features

- **Bidirectional** — Travels both ways for critical aisles and flexible layouts.
- **PIN coupling** — Automated pin engagement for stable heavy-load towing.
- **1,200 kg / 600 kg towing - Depending on configuration.**
- **Magnetic guidance / Mapping - Depending on variant.**

1,200/600 kg <small>depending config.</small>	1 m/s <small>Work speed</small>	2-way <small>Bidirectional</small>	PIN <small>Coupling system</small>
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Bidirectional Magnetic Guidance / Mapping - Flexible & Heavy-Duty

The K11 Two-way Mouse is the bidirectional evolution of the K10, transporting 1,200 kg / 600 kg depending on configuration without requiring wide maneuvers. Travelling in both directions, it suits critical aisles, sequencing and line delivery. With magnetic guidance / Mapping, it adapts to dynamic environments, route changes and operator-robot coexistence.

- Bidirectional
- Narrow aisles
- Magnetic / Mapping
- Fleet integration

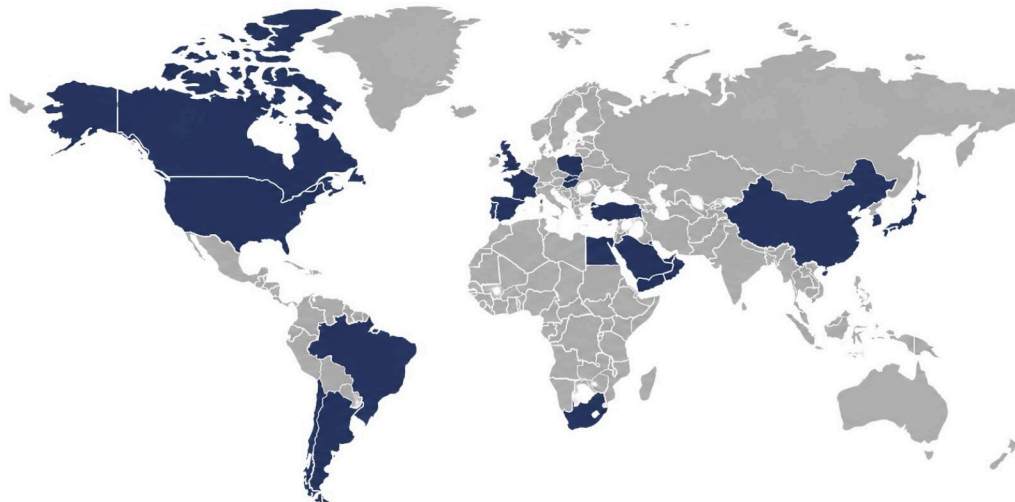
VDA5050
READY

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.