

HEAVY LOAD TOWING AGV

K10 One-way Mouse

Robust towing: 1,200 kg load and 600 N max towing force.

1,200 kg

load cap. / 600 N towing

1 m/s

Magnetic guidance

VDA5050

compatible

APPLICATION

Compact AGV designed to operate underneath carts and load carriers without taking up additional aisle space. A proven solution for moving heavy loads stably on repetitive production routes.

Key applications

- Heavy cart towing
- End-of-line to packaging
- Material reception to staging
- Automotive, metal & industrial intralogistics

TECHNICAL SPECIFICATIONS

Model	K10
Dimensions	1492 x 460 x 332 mm
Profile	Ultra-low
Payload / towing force	1,200 kg / 600 N
Maximum speed	1 m/s
Navigation	Magnetic guidance
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

- **Ultra-low profile** — Operates underneath carts without taking extra aisle space.
- **PIN coupling** — Automated pin engagement for stable heavy-load towing.
- **1,200 kg load / 600 N towing**
Moves heavy loads on repetitive production routes.
- **Magnetic guidance** - Guided navigation for repeatable routes.

1,200 kg

Load capacity
600 N max. towing

1 m/s

Work speed

332 mm

Ultra-low height

PIN

Coupling system

Magnetic Guidance - Stable, Proven, Heavy-Duty

The K10 One-way Mouse runs underneath carts and load carriers with an ultra-low profile, moving up to 1,200 kg without occupying extra aisle space. It uses magnetic guidance for repeatable routes - a robust, proven solution for stable heavy-load flows in industrial intralogistics.

Ultra-low profile

Heavy-load stability

Magnetic guidance

Repetitive routes

VDA5050

READY

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

Global Partner Network

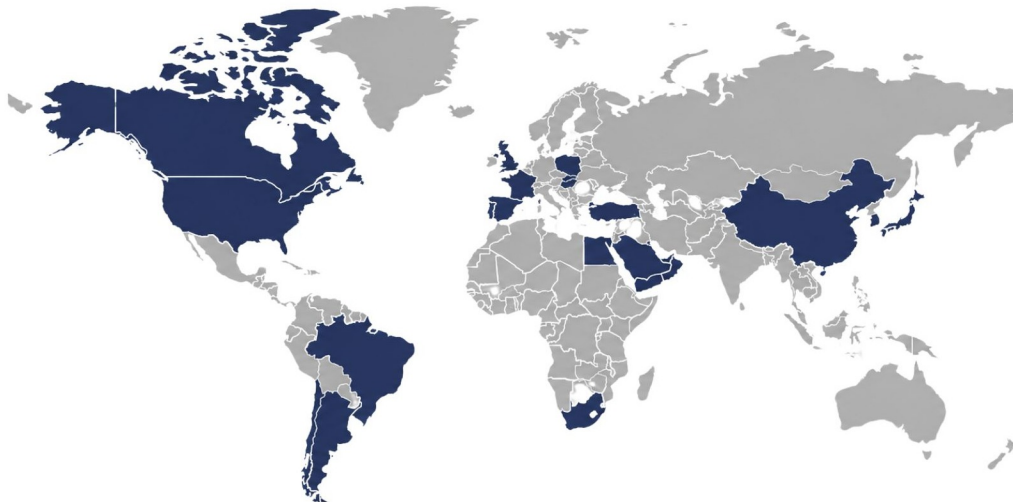
A worldwide network of certified integrators, distributors and technology partners ensures local implementation, after-sales service and continuous support.

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.