

COMPACT LIFTING & ROTATION | AMR

# K05 Twister

360° rotation for compact, fast flows without complex infrastructure.

**450 kg**  
/ 1,000 kg towing

**0.7 m/s**

**Magnetic**

**VDA5050**  
compatible

## APPLICATION

Low-profile intelligent platform for automating internal transport from underneath racks, carts or fixtures. It combines compact lifting, towing and full maneuverability to optimize dynamic production spaces.

### Key applications

- Transport of tables, boxes and kits
- Internal milk-run and line replenishment
- Cart towing and chassis-top loading
- Transfer via table, PIN or rollers

## TECHNICAL SPECIFICATIONS

Model	K05-M1000
Dimensions	800 x 800 x 280 mm
Lift	With external table
Maximum payload	450 kg / 1,000 kg towing
Maximum speed	0.7 m/s
Navigation	Magnetic
Safety	Front scanner
Transport system	PIN · table · conveyor · top load

### 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 HMI control panel & status display

### Transport System Options

- **PIN** — Automated coupling/decoupling with carts and load carriers.
- **Lifting table** — Precise load lifting for trays, bins and fixtures.
- **Conveyor** — Roller/belt transfer to and from static conveyors.
- **Top load** — Direct platform for boxes, bins and KLT containers.

**360°**

In-place rotation

**< 1 cm**

Positioning

**0.7 m/s**

Work speed

**450 kg**

Onboard load

### Magnetic Navigation — Reliable, Repeatable, Low-Cost

The K05 Twister follows magnetic tape embedded in the floor: onboard sensors read the strip continuously for precise lane-keeping with sub-centimetre accuracy. This delivers low infrastructure cost, simple route modification and high reliability in continuous 24/7 operation — ideal for stable layouts and repetitive milk-run circuits.

Sub-cm accuracy

Low infra cost

Easy re-routing

24/7 reliability

**VDA5050**

**READY**

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

### Global Partner Network

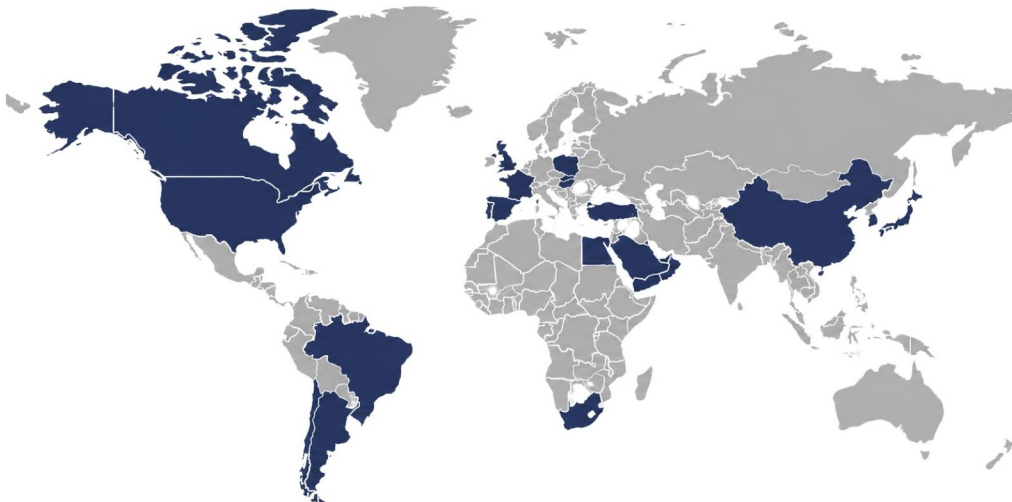
A worldwide network of certified integrators, distributors and technology partners ensures local implementation, after-sales service and continuous support.

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.