

K.HARTWALL

Logistics Efficiency through Innovation



A-MATE®

AutoMate your load
carrier movements



A-MATE®

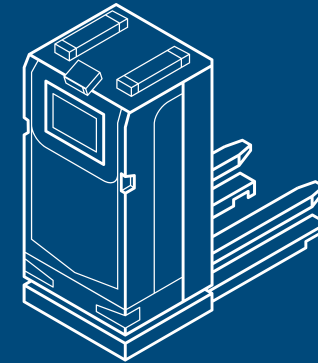
A-MATE® are intelligent mobile robots designed to transport load carriers such as pallets and roll containers in production and logistics environments like warehouses and sorting centers, without the need for an on board operator or driver.

The unique benefits include a compact design and advanced driving system to enable agile movements in tight spaces. Equipped with a powerful electric free lift*, they can pick up and drop off loads both from the floor as well as from shelves and conveyors. A 360 degree scanner coverage ensures maximum safety.

* no scissors below the forks



A-MATE® Counter



MEET THE FAMILY

- Compact design
- Electric free lift
- 360° safety
- Contour-based LiDAR navigation
- Long lasting Li-Ion batteries
- Load carrier detection
- Obstacle detection & avoidance

AVAILABLE MODELS

A-MATE® FreeLift | A-MATE® Counter
A-MATE® Lite



MODULAR MOBILE ROBOT SOLUTIONS FOR TRANSPORTING



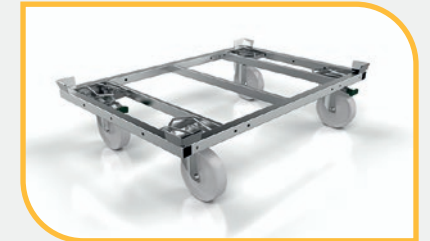
COMPATIBLE PRODUCTS



EURO PALLETS



EPAL MESH BOXES



K.HARTWALL DAUGHTER CARTS



COMPATIBLE PRODUCTS



CHEP & GMA PALLETS



K.HARTWALL SMARTCUBE® CAGES

LARGE AND SMALL LOAD CARRIERS



COMPATIBLE PRODUCTS



K.HARTWALL LEAN DOLLIES
800 x 600 mm



HALF-EURO-PALLETS



K.HARTWALL ROLL CONTAINERS



COMPATIBLE PRODUCTS



K.HARTWALL LEAN DOLLIES
600 x 400 mm

TAKE ADVANTAGE OF THESE BENEFITS AS WELL

- No adjustment to the load carriers and transfer stations necessary
- Stand-alone or VDA5050-based Fleet Management

WHAT YOU CAN ACHIEVE WITH A-MATE®



Reduce your handling costs



Improve ergonomics and
Health & Safety



Ensure interoperability with
other systems



Fast and safe integration into
your IT environment



Plug, Connect & Produce to
reduce your project lead time





The **implementation of A-MATE®** in your operation increases the digitalization of your workflows and transparency of your processes.

This increases the flexibility and competitiveness of your production environment.

- Increase scalability
- Facilitate rapid process modifications
- Utilize existing capacities and resources
- Track your load carriers systematically
- Minimize disruptions

SHAPE THE FUTURE WITH A-MATE®
AND GAIN A COMPETITIVE EDGE

ELECTRIC FREE LIFT



A-MATE® is a perfectly fitting solution for multiple use cases as it can both handle loads on the floor as well as deliver to or pick up from conveyor belts and shelves.

COMPACT DESIGN



The advanced driving system combined with a compact design enables A-MATE® to move very efficiently in narrow and tight environments.



VERSATILITY



A-MATE® transports various types of load carriers, for example pallets, foldable cages, roll containers and dollies, in different sizes, empty or full.

This makes our AGVs a universal solution for a wide range of intralogistic process flows in manufacturing, warehousing and sorting operations for various industries.

They are designed to operate in demanding industrial environments with heavy traffic and rough conditions.

Automotive



Manufacturing



Parcel & E-commerce



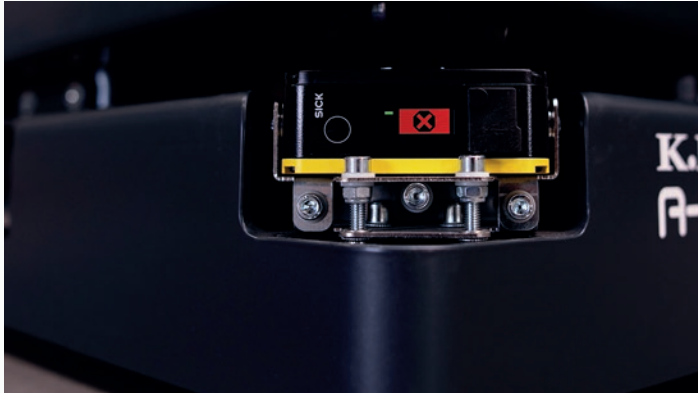
Retail



reddot winner 2025



SAFE INTERACTION WITH HUMANS



MULTIPLE SCANNERS

to make the A-MATE® a 360° safe mobile robot



CLEAR LIGHT INDICATORS

to signal the operating status



EMERGENCY STOP BUTTONS

visible and accessible at any moment



INTERACTIVE DISPLAY

easy to access and easy to handle

OPEN SOFTWARE ARCHITECTURE

A-MATE® works reliably in a constantly changing environment, stand-alone and connected to customer WMS/MES or connected to via VDA5050 fleet manager.



WE ARE ALSO USING A-MATE®



BOSCH



Danfoss



ebm**papst**

SCHAEFFLER

EXPERIENCE. KNOWLEDGE. RELIABILITY.

SUCCESSFUL CUSTOMER PROJECTS



DANFOSS GRÅSTEN, DENMARK

- Four A-MATE® FreeLift
- Automated transport of full units from a buffer lane to various drop-off-locations
- Safe interaction with other AGVs, manually driven forklifts and human workers.



Watch video



SCHAEFFLER BUEHL, GERMANY

- Six A-MATE® FreeLift
- Automated transport of full and empty units between machines and shipping area
- Navigation in narrow aisles
- Floor-to-floor and conveyor handling
- Interaction between internal Schaeffler software and external fleet management



Watch video

VISIT [K-HARTWALL.COM](https://www.k-hartwall.com) FOR MORE CUSTOMER STORIES

A-MATE
K.HARTWALL

A-MATE
K.HARTWALL

K.HARTWALL
A-MATE



We at K.Hartwall strive to create future-fit logistics solutions that answer the needs of our customers and bolsters their industry development. We know what it takes to make robust, industrial-grade AGVs for the most demanding environments.

65
COUNTRIES

We serve you
globally in
65 countries

1500
CUSTOMERS

We serve more
than 1500 satisfied
customers

90+
YEARS

Over ninety years
of design and
innovation

K.Hartwall Oy Ab

Kay Hartwallin tie 2
01150 Söderkulla, Finland
Tel. +358 9 413 1833
contact-khw@k-hartwall.com
www.k-hartwall.com



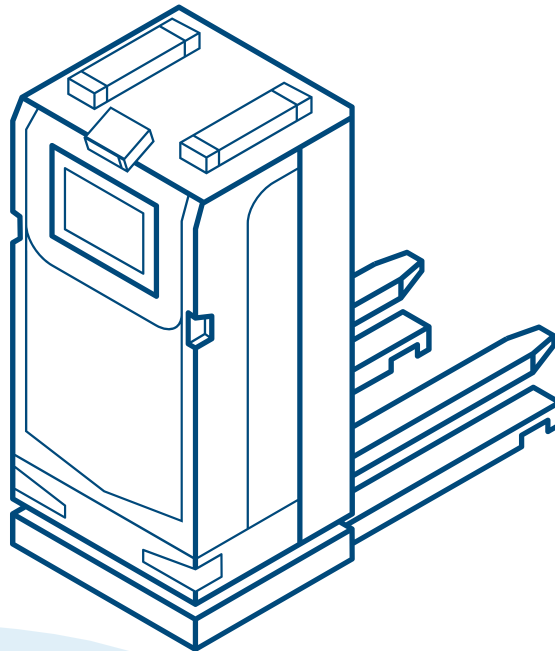
Watch A-MATE® in
action at Schaeffler



Watch A-MATE® in
action at Danfoss



Watch the
A-MATE® animation



A-MATE®

**MAKE THE NEXT
SMART MOVE
IN LOGISTICS**