

AMY
Efficiency through agility

DS
AUTOMOTION



**Increase
efficiency up
to 80 %***

Smart solution for small loads

With the simple transport solutions for small load carriers, you can rediscover the future of intralogistics. The system offers a solid construction that is reduced to the essentials, enabling low investment costs and minimal maintenance effort. As a result, you can increase throughput performance in companies of all sizes by automating load transfer.

AMY combines the flexibility of an AMR with the reliability of an AGV. AMY offers simple, cost-effective integration, an innovative transfer concept, predictable autonomy, and optimized scalability – ideal for companies looking to automate quickly and efficiently.



* Based on average annual personnel costs of €50,000 / \$52,400 in a three-shift operation.

Request a quote now!



Employee relief and ergonomics

Automating simple transport tasks enhances comfort and employee well-being. Flexible transport concepts with well-designed load handling devices and suitable transfer stations ensure safe load handling – perfectly tailored to your requirements.

Load handling device - passive with gravity latch

Passive load transfer handling, developed in collaboration with the Fraunhofer IML Institute, is not only straightforward and reliable but also cost-effective to implement. The gravity-controlled solution eliminates the need for additional drives and sensors for load handling.

Load handling device - active with lift comb

The lift comb load device is actively controlled but allows both passive transfer stations and stationary conveyor technology to be operated with a single concept. The system can also be integrated into existing infrastructures without significant modifications.

No control or electrical connection of the station

Planning and commissioning

- Simple Planning**
Our intralogistics solutions enable quick and efficient project execution. Standardized solutions shorten the planning phase.
- Low Costs and High Profitability**
Accelerated planning and efficient implementation of our solutions lead to high profitability for your company.
- Pre-configured AMR Systems**
Our AMR systems are delivered fully set up. This significantly reduces the error rate during installation and ensures smooth commissioning.
- European Quality**
Our products stand for European quality, guaranteeing long service life, easy integration, and high stability.
- Short Commissioning Time (IBN)**
Thanks to careful preparation of commissioning and installation infrastructure, our systems can usually be implemented within a week.

Complete solution from a single source

We are the OEM manufacturer of the vehicles and transfer stations, as well as the entire software, offering complete solutions from a single source. A solution from one point of contact for your planning and expansion security. With plannable autonomy, you can use the mobile robots with the advantages of either AGVs or AMRs. By defining autonomy zones, you can precisely determine the behavior of the mobile robot in different areas and have full control over the flexibility and efficiency of your system.



NAVIOS 

Software and control

The key to optimizing and automating processes in production and logistics lies in an efficient fleet manager. Our solution includes a pre-configured NAVIOS control system according to the VDA 5050 standard, which can be expanded project-specifically if needed. This ensures the greatest possible planning security and flexibility.



Discover AMY
with a passive load
handling device using
**Augmented
Reality!**

The perfect solution for small load transports

- Seamless Integration** — With numerous transfer concepts, sources and sinks can be implemented as active and passive stations. This makes cost-effective implementation in existing systems easier than ever before.
- Scalable** — AMY significantly boosts your productivity. Thanks to its intelligent technology, it is not only easy to operate but also highly effective in a swarm.
- Plannable** — Plannable autonomy allows you to deploy autonomous functions precisely where they offer advantages. Conversely, autonomous functions can be deliberately prevented where they have disadvantages.



Technical advantages

Our standardized small load carrier solutions enable quick integration of mobile robots and shorten implementation time. The scalable systems allow for flexible expansions with additional stations or vehicles. AMY is specifically designed for small load carriers up to 400 x 600 mm / 15.75 x 23.62 in and combines robust and innovative technology.



VDA 5050
and LIF file
compatible

Technical data

Load capacity:	max. 35 kg / max. 77 lbs
Weight:	60 kg / 132 lbs
Dimensions (l x w x h):	638 x 428 x 349 mm 25.12 x 16.85 x 13.74 in
Navigation:	contour-based
Communication with central computer:	WLAN
Protection system:	laser scanners in the front and back, optional camera
Speed:	max. 1,8 m/s / 5.91 ft/s
Power supply:	automatic charging via charging contacts
Battery:	lithium
Load handling device (LHD):	active with lift comb, passive with gravity latch, platform
Stations:	roller conveyor, gravity latch, lift comb