Technical details

	BoxUpper Module	BoxDock Module
Footprint (L x W x H)	867 x 520 x 290 mm	1290 x 830 x 1740 mm
Unit Weight	45 kg	300 kg
Power Supply	Mobile Robot dependent	230 VAC/50 Hz, Single Phase 10 A
Autonomous Mobile Robot (AMR) Compatibility	OMRON, MiR and OTTO Motors	
Payload size and weight	Euro Boxes, 40-100 kg (AMR dependent)	
Transfer height	500 - 1200 mm	
Transfer time	< 16 s	
Transfer direction (relative to vehicle movement)	Front and sideways	
Payload rotation	Yes	
Sensors	Payload accurate position and presence sensors, Payload ID (QR or bar-code)	
Compliance	CE, RoHS	

Ready to elevate your AMR operations to the next level?

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✕ MOVELI

MOVELI Box Solution

Boost your AMR's performance:

Innovative solutions for efficient and safe box and pallet transportation

What is MOVELI?

MOVELI offers a family of modules for Autonomous Mobile Robots (AMR) designed and produced in Switzerland.

Our modular and patented solutions have been engineered to set a new standard in Intralogistics for boxes and pallets, while guaranteeing compatibility across the major AMR OEMs.

We aim to provide easy and safe solutions for both large and small operations with evolving needs.

Core benefits

- Modular design that handles payloads of different sizes, orientations and weights
- Designed for collaborative environments
- Increases workplace safety
- Ergonomical working height
- Reduced product damage
- Simplified installation
- Quickly movable to new locations in the facility

High Reach Lift

Payload

BoxDock

Standard AMR

BoxUpper

Key features

- Transport of Euro boxes up to 65 kg
- Direct communication between the Upper and Dock modules, requiring minimal software integration
- Advanced alignment system guaranteeing a high transferability rate
- Payloads can be rotated to the orientation of choice
- Wide range of heights on the Dock adapting to any green- or brown-field installations
- Compatible with major AMRs

Applications

MOVELI solutions have been designed to speed up and improve efficiency in **Warehousing** and **Manufacturing** facilities, across different industries.

Contact us to learn more.