

Transport systems for factory automation

Modular Vehicle Selection Guide












➤ Transporting pallets

This vehicle is built for pallet transport, featuring an integrated lift to collect pallets from various transfer stations. Its inductive charging during load exchanges ensures extended range and continuous operation.



Reference application:

Pallet transport via integrated life module

 Dimensions L = 1500 mm, W = 1000 mm, H = 425 mm	 Energy supply Inductive spot charging	 Navigation Laser contour navigation
 Drive concept Middle differential drive	 Energy storage Lithium battery	 Weight 580 kg
 Speed Max. 1.5 m/s	 Stroke max. 150 mm	 Payload max. 1250 kg










➤ Transporting large loads

Engineered for versatility, this vehicle easily handles heavy, irregular loads. Its omnidirectional drive ensures smooth movement in tight spaces, and the lift module allows precise vertical positioning.



Reference applications

- **Car body transport**
- **Long material transport**
- **Special load transport**

 Dimensions L = 3800 mm, W = 1100 mm, H = 450 mm	 Energy supply Inductive point charging	 Navigation Laser contour navigation
 Drive concept Omnidirectional drive	 Energy storage Lithium Batter & MoviDPS SuperCaps	 Weight 1370 kg
 Speed max. 1 m/s (forward/reverse) max. 0.5 m/s (transverse)	 Stroke max. 105 mm	 Payload max. 3000 kg










➤ Efficient load transfer

This vehicle is ideally suited for the seamless transfer of pallets, boxes, containers, and other loads thanks to its robust design, inductive charging capabilities, and advanced navigational technology.

Reference applications:

Pallet transfer via integrated conveyor module



 Dimensions L = 1500 mm, W = 1000 mm, H = 375 mm	 Energy supply Inductive spot charging	 Navigation Laser contour navigation
 Drive concept Middle differential drive	 Energy storage Lithium battery	 Weight 500 kg
 Speed Max. 1.5 m/s	 Special interface Driven axis for customer-specific load handling	 Payload max. 1250 kg










➤ Specific load handling

This vehicle features a compact design tailored for custom load-handling devices, powered by an integrated lithium battery with inductive charging for continuous use.

Reference applications:

Customer specific load handling devices



 Dimensions L = 1500 mm, W = 1000 mm, H = 375 mm	 Energy supply Inductive spot charging	 Navigation Laser contour navigation
 Drive concept Middle differential drive	 Energy storage Lithium battery	 Weight 500 kg
 Speed Max. 1.5 m/s	 Special interface Driven axis for customerspecific load handling	 Payload max. 1600 kg



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