



Pallet shuttle systems Truck Shuttle Half Pallet

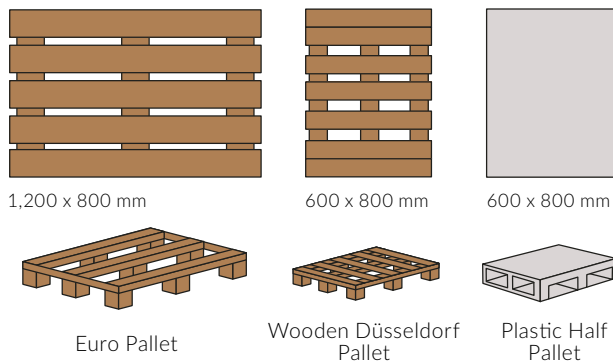
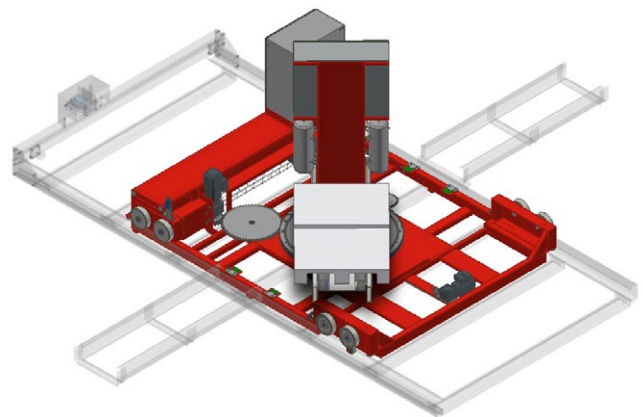


Storage system for Euro and half pallets

The Truck Shuttle Half Pallet enables food retailers to efficiently handle multiple pallet formats within a single warehouse, streamlining intralogistics processes.

Flexible pallet handling without base pallets

Our automated storage system seamlessly accommodates both Euro pallets (1,200 x 800 mm) and half pallets (600 x 800 mm), eliminating the need for base pallets, retooling, or pallet doublers. This flexibility streamlines operations and maximizes storage capacity.



Intelligent, gentle goods transport with two-component shuttle system

Our 2D shuttle system features a carrier vehicle (truck) with an integrated turntable and a pallet shuttle, enabling smooth, safe transport of fragile goods like PET containers and beverage crates. The frequency inverter-driven propulsion ensures gentle handling throughout the storage and retrieval process.

Core Benefits



Optimized for retail

Handles Euro and half pallets simultaneously – efficient and unique on the market.



Gentle beverage transport

Intelligent driving profiles secure even top-heavy pallets. Beverages and glass containers remain safely in place.



Efficient order picking

Assemble promotional items, fast movers, or beverages specifically for individual stores.



Battery-free operation

Continuous power supply reduces downtime and minimizes fire risks.



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Optimized warehouse efficiency for retailers and discounters

The Truck Shuttle Half Pallet is purpose-built for central warehouses serving complex store networks. By accommodating both Euro and half pallets, the flexible system boosts throughput and storage density, accelerates order picking processes and streamlines store replenishment operations.

Formation of mixed pairs directly in the warehouse

The system allows two half pallets from different storage channels to be automatically and quickly combined into a new pair during outbound handling. Programmed acceleration and braking profiles prevent pallet tilting.

Streamlined store-specific order picking

The Truck Shuttle Half Pallet optimizes outbound processes by enabling store-specific picking directly in the warehouse. This reduces travel distances for forklifts and accelerates the dispatch of ordered goods, driving efficient handling of beverage containers, fast movers, and promotional items.

The Warehouse Management System (WMS) and Material Flow Controller (MFC) ensure a steady flow of pallets prepped for each store's specific requirements. By bringing store-level customization upstream into the warehouse, the Truck Shuttle Half Pallet significantly streamlines retail order fulfillment.



Get a quote!

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Technical Data Truck Shuttle Half Pallet

Power supply

Truck	Conductor rail
Shuttle	Power cable

System structure

Truck	Main aisle
Shuttle	Channels

Load carrier

Euro pallet	1,200 x 800 mm
Half pallet	800 x 600 mm

Materials

	Wood and plastic pallets
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Payload

	up to 1,200 kg
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Throughput

	200 UPH (inbound only)
	132 UPH (mixed operations: outbound & inbound)

Operating mode

	24/7 continuous operation
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System availability

	98.5 % (average reference systems)
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Max. channel depth

	20 m
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Max. pallet sag

	15 mm
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Turntable function

	integrated
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Quality inspection

	Contour and fork-opening control
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Control system

	fully automatic via WMS, manual operation via mobile panel
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FEFO Control

	integrated into WMS
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Deep-freeze

	on request
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