

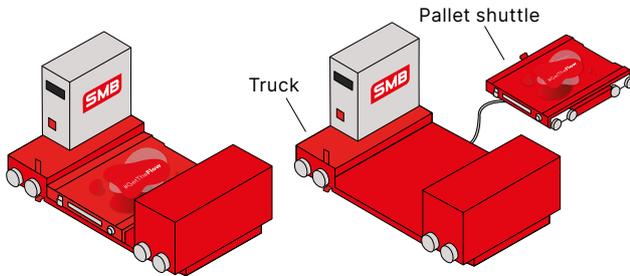


Pallet shuttle systems Truck Shuttle Classic



Automation on up to 20 storage levels

The Truck Shuttle Classic is a scalable, high-performance solution for multi-depth pallet storage on up to 20 storage levels.



Maximum storage density. Minimal space requirements.

Multiple-depth storage within the channels is space-optimised – without the additional space requirements of individual aisles as with conventional systems with automated storage and retrieval systems (AS/RS). With only one main aisle per level, SMB truck shuttle systems can serve up to 20 storage levels, optimally maximising storage space and storage density. The truck shuttle thus offers an economical solution for space-intensive pallet storage.

Reliable pallet automation for channel storage

The two-component system enables the automated distribution of pallets at storage level in channel channel storage systems. An electrically powered truck transports the pallets precisely to the designated rack channel. There, the pallet shuttle takes over the storage and retrieval of pallets.



Core Benefits



Total flexibility

Whether in existing systems or new developments, the Truck Shuttle can be used in a wide variety of applications.



Automation at all levels

In combination with vertical conveyors, all storage levels are fully automatically accessible.



Modular expandability

The system can be flexibly expanded to meet growing storage requirements.



Low energy consumption

Highly durable equipment with low energy consumption during storage and retrieval.



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Continuous 24/7 operation with enhanced safety

In pallet warehouses, the truck shuttle system easily achieves a comparable gross space utilisation rate to automated warehouses with drive-in racks. At the same time, a significantly higher utilisation rate is achieved, up to 95 per cent as standard. The energy concept allows for genuine continuous operation, even under demanding conditions such as in deep-freeze areas down to -30°C.

Autonomous system designed for maximum efficiency

The system operates completely autonomously and is software-controlled, eliminating the need for operating personnel. Sensors integrated into the truck and shuttle ensure precise positioning, collision avoidance and maximum operational safety through functions such as automatic stops when obstacles are detected.

The low-maintenance system is designed for both new buildings and retrofit solutions. It enables high storage density, optimized process flows, and maximum throughput in high-bay warehouses – both in in-house construction and silo construction.



Get a quote!

Learn more and request a personalized quote directly on our website!

Technical Data Truck Shuttle Classic

Pallet formats	
Euro pallet	1,200 × 800 mm
Industry pallet	1,200 × 1,000 mm
Special pallets	available on request
Capacity	
	1,000–100,000 pallet spaces
Storage height / levels	
	40 m / 20 levels
Max. channel depth	
	21 m
Max. pallet sag under load	
	25 mm
Throughput	
	35–40 single-command cycle/h (level)
Tare weight	
Truck	850 kg
Shuttle	300 kg
Max. payload	
	1,500 kg

Max. gross weight	2,650 kg
Lift / Lift Time	30 mm / 1 s
Speeds	
Truck speed	3.0 m/s
Shuttle speed	0.5 m/s
Acceleration	0.5 m/s ²
Power supply	
Truck	Conductor rail
Shuttle	Power cable
Data transfer	Data light barriers
Temperature range	Deep-freeze version on request