

# Pallet Shuttle System

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## Broad range of possibilities!

Thanks to a broad range of possible applications and accessories our Pallet Racking systems can be easily adapted to your specific storage requirements.

From standard wide aisle, through Narrow aisle and high bay options to multi-level racking and mobile racking, our systems provide the ideal solution.

Pallet Shuttle System is a product in the category

## Pallet Racking

- Pallet Racking P90 Standard
- Mobile Pallet Racking
- Multi-tier Pallet Racking
- Pull-Out Unit
- Drive-in
- Pallet Shuttle System**
- Push-Back
- Pallet Flow
- Narrow Aisle
- Pallet Racking RACK83
- Carton Flow - P90
- Safety Accessories
- Pallet Racking K90 Standard
- Pallet Racking System

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## Description

**The Pallet Shuttle System is a semi-automated storage solution for the handling of goods inside channels similar to a drive-in setup. The Pallet Shuttle System removes the need for forklift trucks to enter the aisles and hence offers a cost effective and time saving storage solution.**

- Efficient system of compact storage for warehouses with low levels of SKU
- Optimisation of storage, loading and unloading stages
- Low level of risks or stress to the warehouse operating staff
- Low level of risks or damage to the equipment -loading machinery and racks, thanks to the movement front warehouse
- Removes the need for specialist forklift trucks

All handling of the goods within the channels is carried out by using the Pallet Shuttle which is remotely controlled by the user. Handling of the pallets outside of the rack is conducted using standard forklift trucks. This therefore removes the need for a forklift truck to access the

[Pallet Racking](#) › [Pallet Shuttle System](#)

## References:

Arc E-Commerce, Sweden  
GC Rieber Salt AS, Norway  
B. Volwater & Zonen B.V., The Netherlands

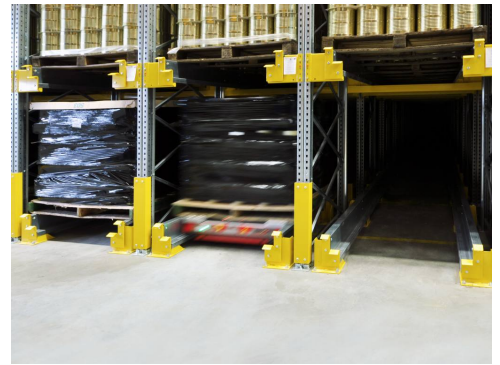
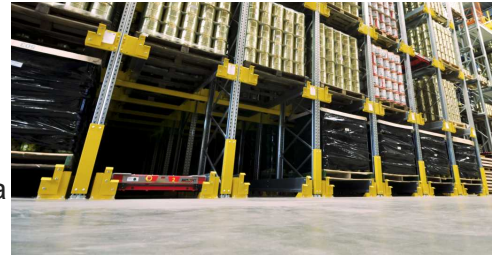


storage channel.

The pallets are placed on an Pallet Shuttle (a battery powered pallet cart) which carries the pallets in the rack.

The Pallet Shuttle System can work either as FIFO or as LIFO, so it is a highly efficient alternative to Live storage and Drive-In Racking in such situations as:

- Cold Storage
- Food Production
- Meat Processing
- Beverage Production and Distribution
- All Drive-In / Drive-Through Racking users



## Benefits

**The Pallet Shuttle System will save you both time and space, which in the fast-moving world of logistics equates to saving money.**

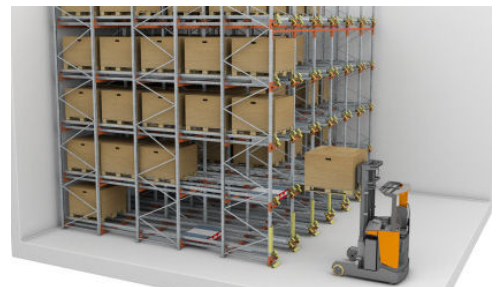
**SAVE TIME + SAVE SPACE = SAVE MONEY**

There are many benefits with the Pallet Shuttle System:

- Increased Storage Capacity
- Optimisation of storage, loading and unloading stages
- High operating speeds
- Good reliability (minimum maintenance for the Autosat® Shuttle and almost none for the racking)
- Reduced number of operators
- Reduced number of forklifts required
- No requirement for specialised forklift trucks
- Reduced operating costs

Saving time is obvious as a forklift truck does not need to enter the storage channel. The time required to position the pallets perfectly at the picking face or to retrieve the pallets is automatically handled by the Pallet Shuttle System, hence increasing the speed substantially.

Saving space is important. Since the forklift trucks does not need to access the aisle, all channels can be fully utilised at all times providing extra storage space. The Pallet Shuttle System offer a high density and more effective storage method.



## Specifications

The Pallet Shuttle, powered by a **Lithium Ion battery**, allows the high density storage of materials loaded on pallets in a drive-in style racking system. Positioned in a channel, the Pallet Shuttle can pick-up, deposit and re-organise the pallets with great precision.

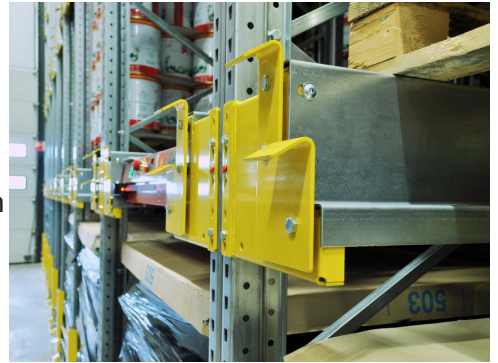
The Pallet Shuttle is a **CE** marked machine produced and assembled in Italy.

The Pallet Shuttle is available in different models, designed for various pallet configurations.

It can be configured for:

- ambient environment (**0 to 45° C**)
- cold environment (**-1 to -30°C**)

Pallet Racking › Pallet Shuttle System



### PALLET SHUTTLE MODELS:

Models	Max. Load (kg)	Pallet Depth (mm)	Pallet Wide (mm)
SAT.0812.ST.LTH	1500	800	1200
SAT.1210.ST.LTH	1500	1200	1000
SAT.1012.ST.LTH	1500	1000	1200
SAT.1111.ST.LTH	1500	1100	1100
SAT.1112.ST.LTH	1500	1100	1200
SAT.1165.ST.LTH	1500	1165	1165
SAT.1212.ST.LTH	1500	1200	1200

**AUTOSAT PERFORMANCES:**

<b>Speed with load (m/min)</b>	30-33
<b>Speed empty (m/min)</b>	63-66
<b>Working range (h)</b>	10-12-16

**BATTERY:**

<b>Type</b>	Lithium – Ion MNC
<b>Voltage (V)</b>	24
<b>Capacity (Ah)</b>	53
<b>Weight (kg)</b>	~13
<b>Charging station power (Vac/Hz)</b>	EU 240/50
<b>Charging time 80%(h)</b>	3
<b>Charging time 100%(h)</b>	5.5
<b>Battery life (with correct use)</b>	min. 900 cycles charging
<b>Batteries quantity on board</b>	1

**REMOTE CONTROLLER:**

<b>Type</b>	RF
<b>Display</b>	O-Led
<b>Protection</b>	IP65
<b>Power</b>	Lithium Battery
<b>Charging battery</b>	500 mAh – 4.8 V
<b>Max. consumption during transmission (mA)</b>	55
<b>Max. consumption during receiving (mA)</b>	50
<b>Stand-by after not Use of (min)</b>	3
<b>Battery life (at 20°C) continuous Use (h)</b>	continuous 10 h stand-by 1300 h



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