

AR SHUTTLE

PALLET SHUTTLE RACKING



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AR SHUTTLE is a compact semi-automated high density pallet storage solution operated by self-powered 2-way shuttle carts that load and unload the palletized goods into the rack.

Main advantages include:

The AR SHUTTLE system enables to maximize the storing capacity by minimizing the operating aisles needed for trucks. As forklift truck drivers do not operate

inside the racking system then safety is full guaranteed when handling pallets avoiding collisions at the racking structure. This allows to reduce the cost of maintenance both the racking system and the forklift trucks, and also reduces damages on the goods for handling operations.

The AR SHUTTLE system allows an automatic inventory control, being able to report the number of pallets in store. Remote control and bar codes provide

a better control on the stock and also a drastic error reduction

With the AR SHUTTLE system both FIFO or LIFO solutions are available. AR SHUTTLE is also suitable for cold and freeze storage up to -22°F (-30°C).

- SPACE OPTIMIZATION
- RECHARGEABLE LITHIUM BATTERY
- LOW MAINTENANCE COST
- FIFO / LIFO
- SAFE OPERATIONS
- CONTINUOUS UNLOADING MODE
- TEMPERATURE RANGE FROM 113°F TO -22°F
- RF CONTROLLED, WIFI OPTIONAL



How does it work?

Designed for high-turnover storage, AR SHUTTLE enables automatically loading and unloading pallets by using a remote controlled system. Unit loads are either placed on the first available location until the rack is fully loaded or retrieved from their storage location and moved to the front ready to be picked by a forklift truck.

Operation

- AR SHUTTLE is positioned required lane with a fork lift truck. The pallets are placed by the fork lift truck one by one at the beginning of the lane.
- AR SHUTTLE lifts up the pallet and moves it along the lane placing the pallet in the first free position. Then, it comes back to the beginning of the lane ready for the next operation.
- Just before storing the last pallet into the lane the AR SHUTTLE must be removed to another lane.



Remote control

- Each remote control unit can control several AR SHUTTLES.
- Pallet counting inventory.
- Maintenance messages on display.

AR SHUTTLE is suitable for:

- Manufacturing
- Cold Storage
- 3PL Operations
- Blast Freezers
- Distribution Centres
- Replenishment
- Order Staging
- Cross Docking
- Food Industry

Discover how our
AR SHUTTLE system
works in this video:



The pallets can be loaded
and unloaded according to
two different storage needs:



LIFO (Last-in-First-out)

This is the most common system, where the pallets are loaded and unloaded from the same side of the racking structure.



FIFO (First-in-First-out)

Loading and unloading operations are performed from opposite sides of the racking structure.

Depending on the customer
requirements, AR SHUTTLE
could be customized adding
additional features:

Standard features	Standard equipment	Optional equipment
<ul style="list-style-type: none"> • Loading / Unloading • Continuous Unloading • LIFO / FIFO • Manual operations • Inventory control 	<ul style="list-style-type: none"> • On-board lithium battery • Battery charger • Remote control + charger • Anti-collision sensors 	<ul style="list-style-type: none"> • Multi pallets function • Spare parts • Freezer version



AR SHUTTLE



AR DRIVE IN



AR LS



AR MULTITIER



AR UNITLOAD RACK



AR MOBILE



AR LIVE STORAGE



AR SILO CLAD RACK



AR PAL



AR MINILOAD RACK



AR RACKING

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