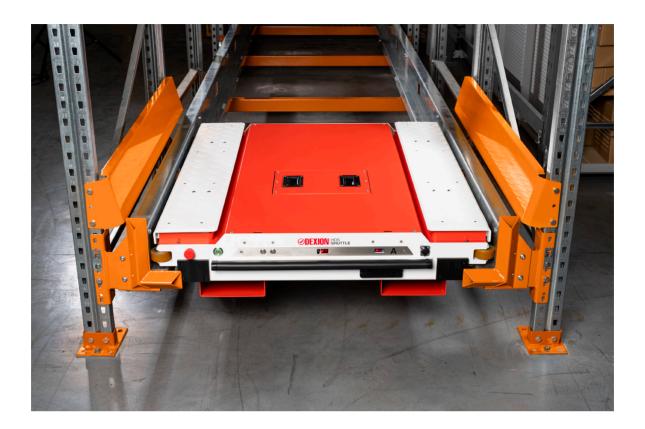
Dexion | HDS Shuttle





Product overview

The Dexion HDS (High Density Storage) Shuttle is a semi-automated system designed for high density storage, increasing storage space and improving user safety as compared to Drive-In, Push-Back and Pallet Live storage systems.

The self-powered 4 or 8 wheel shuttle travels below the pallets then elevates the pallet from the support rails and carries it back and forth within the system as required.

This type of system generally suits a warehouse with a low SKU count with high stock levels. It is easily scalable, simply by adding additional shuttle units to increase throughput.

Key features and benefits

- High density storage solution that maximises warehouse space
- Makes unloading and loading more efficient with automatic sort and retrieve
- Provides a safe environment to workers and goods as compared to other high density storage solutions, by eliminating the need for forklifts to drive into the rack
- The shuttle is controlled via a simple and easy to use RF Remote Control
- Smart safety sensors ensure the shuttle avoids any obstructions in the lane

- · Long lasting and fast charging lithium ion battery
- Fully compatible with Dexion racking systems
- Excellent for FIFO or LIFO operations or a combination of both
- Designed and manufactured by Dexion ensuring spare parts are readily available while being simple to service and maintain
- Other features include a fork lift magnets, fork tyne pockets and location beakers



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Applications



- Businesses that require very dense storage of finished goods and/or raw materials
- · Operations with 100% stock accessibility
- Goods that require bulk or batch distribution
- Suitable for 'pack and hold' operations where pre-picking and staging is possible especially FMCG operations
- Warehouses or DCs looking to improve space utilisation and immediately increase storage capacity

Technical specifications

Number of wheels	4-wheel or 8-wheel
Unload Time	4 secs
Loaded Speed	50m / min
Unloaded Speed	84m / min
Lift Capacity	4 Wheel: 1,500kg 8 Wheel: 2,000kg
Battery Autonomy	Up to 16 hours
Charging Time	5 hours
Battery Type	Lithium Ion 48V40Ah
Dattery Type	Add-ons:
	Dexion Battery Power Station
Remote Type	Radio-Frequency (RF) with WIFI optiona
Operational	Cold Room -30°C to 50°C
Temperature	Ambiant Room 0°C to 50°C
Pallet Racking System	Speedlock MK8

Safety Features	Standard: Ground Stops Back Stops Emergency Button	Add-ons: Collision sensors Tyne pockets Safety carriage Electromagnetic locking system Anti-tilting alarm Drop alarm
Standard Features	Single load Single unload Continuous load Continuous unload Battery meter	Add ons: Reshuffling Shuttle unit locator Shuttle Performance Dashboard
Pallet Type		Wooden/Plastic
Shuttle Dimensions (LxWxH)		1300 x 960 x 175 mm







Battery Charger

Smart Battery Management Station

Remote Control

Contact

For more information on the Dexion HDS Shuttle, please contact us on 1800 100 050.

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