

# Shelving or storage machine? Which storage system best suits your needs and requirements?

Storage of small parts within a traditional shelving solution is still the most popular solution for storing smaller items, both in traditional construction as well as mobile shelving. Storage machines, are however a more sophisticated alternative, which provides efficient and compact storage of small parts.



Which system best suits your needs?

## Small part handling matrix

	Low investment	Low handling cost	High number of picks per time unit	High utilization of storage volume	Appropriate for FIFO (First-In-First-Out)	Easy to adapt and change
HI280 Shelving System Standard	<input type="checkbox"/>					<input type="checkbox"/>
HI280 Shelving System Multi Tier	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>
HI280 Mobile Shelving System				<input type="checkbox"/>		<input type="checkbox"/>
HI280 Shelving System Narrow Aisle		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Carton Flow			<input type="checkbox"/>		<input type="checkbox"/>	
TORNADO Lift System		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IPN Paternoster Vertical Carousel		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HOCA Horizontal Carousel		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Note: this table highlights the most significant benefits, click on the solution to see more key facts and features for each system.

= Best option     = A good option



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## HI280 Shelving System Standard

How HI280 Shelving System Standard compares against alternative storage systems for small part handling.



Scale: 1

10



### Facts:

- Shelving system in standard design requires low investment.
- The system is easy to assemble and easy to adapt and change to the needs.
- Wide range of application areas, thanks to the wide range of accessories.
- Limitations in effective floor utilisation.
- Adequate facilities for item handling; hand pallet truck and picking trolleys.
- A standard system can be modified, for development of HI280 Multi Tier later.

### More information

[Product info](#)

[Accessories](#)

[References](#)



## HI280 Shelving System Multi Tier

How HI280 Shelving System Multi Tier compares against alternative storage systems for small part handling.

Investment cost for complete installation:	
Handling cost per item excl. investment:	
Handling capacity, pick per unit in time:	
Utilisation of room volume:	
Meets FIFO requirements:	
Easy to adapt and change:	

Scale: 1

10



### Facts:

- An economical way to create more floor space when the ceiling height permits.
- The floor consists of wooden chip board with a slip and flame-retardant laminate.
- Standard load is a maximum of 500 Kg / m<sup>2</sup> (5 kN / m<sup>2</sup>) floor.
- For transporting pallets to the upper level you can place a gate in the guardrail, vertical conveyor or install a lift.
- Loading and picking is done by manual picking trolleys.
- Carefully review your article frequency before installing HI280 Multi Tier. On the upper floors you should only store low-frequency items.

### More information

[Product info](#)

[Accessories](#)

[References](#)



## HI280 Mobile Shelving System

How HI280 Mobile Shelving System compares against alternative storage systems for small part handling.

Investment cost for complete installation:	
Handling cost per item excl. investment:	
Handling capacity, pick per unit in time:	
Utilisation of room volume:	
Meets FIFO requirements:	
Easy to adapt and change:	

Scale: 1

10



### Facts:

- Mobile shelving is shelf placed on rail mounted trolleys.
- The trolleys can be moved manually with a winch or by electric drive.
- An effective security system ensures that no accident will occur to staff or damage to goods.
- Mobile shelving saves floor space by reducing the number of aisles.
- Shelf sections / blocks can be made lockable.
- Mobile shelving is very suitable for small parts where you need to store large volumes of small components.
- Suitable storage system for low-frequency articles.

### More information

[Product info](#)

[Accessories](#)

[References](#)



## HI280 Shelving System Narrow Aisle

How HI280 Shelving System Narrow Aisle compares against other storage systems for small part handling.

Investment cost for complete installation:	
Handling cost per item excl. investment:	



**Facts:**

- Narrow Aisle requires a small floor space as you use maximum height, while the aisles are very narrow.
- The system is served by manned trucks.
- In order to achieve a high capacity, incoming and outgoing goods should be placed in relation to the compilation area.
- The system is designed to the requirements of the picking aids and goods demand.
- Relative high investment cost of narrow-aisle trucks / picker.
- Narrow Aisle is best suited for areas where the pickoff frequency is smooth so the Narrow Aisle truck can be used efficiently.

**More information**

- [Product info](#)
- [Accessories](#)
- [References](#)



## Carton Flow

How Carton Flow compares against alternative storage systems for small part handling.



**Facts:**

- Carton Flow provides a high degree of goods density.
- 40% floor savings can be achieved in comparison to conventional shelving storage.
- The number of levels in the rack can be adapted to accommodate other handling methods; eg: manual or forklift handling of goods and containers.
- Loading and unloading has separate areas - picking is carried out smoothly.
- Meets the FIFO (First-In-First-Out) requirements.
- Racking can be placed on wheels, which permits easy change of the warehouse layout.

**More information**

- [Product info](#)
- [Accessories](#)
- [References](#)



## TORNADO Lift System

How the TORNADO compares against alternative storage systems for small part handling.



**Facts:**

- TORNADO operates with policy: articles to person picking.

**More information**

- [Product info](#)



- Up to 70% savings in floor space whilst providing the same storage capacity.
- Ensures fast, efficient and error free picking.
- The machine is closed and locked and well suited for fragile and valuable articles.
- High picking capacity, as walking distance is minimal.
- Extra picking openings can be installed, which enables picking from different levels.
- Optional extras are available, such as a light pointer and locator indicator list.
- Can be connected to the warehouse management system (WMS).
- Safe and ergonomic working environment, as picking is performed at a good operating level.
- Best suited for small items but flexible even for larger products.

[Accessories](#)

[References](#)



## IPN Paternoster Vertical Carousel

How the IPN Paternoster compares against alternative storage systems for small part handling.



### Facts:

- IPN Paternoster operates the policy: articles to person picking.
- Requires a small floor space compared to its storage capacity.
- Several size variants with varying load capacities are available as standard.
- The device is closed and lockable and well suited for fragile and valuable articles.
- High picking capacity, as walking distance is minimal.
- Can be connected to the warehouse management system (WMS).
- Safe and ergonomic working environment as picking is performed at a good operating level.

### More information

[Product info](#)

[Accessories](#)

[References](#)



## HOCA Horizontal Carousel

How the HOCA compares against alternative storage systems for small part handling.



### Facts:

- Excellent option for premises and buildings with low ceilings.
- HOCA operates the policy: articles to person picking.
- Operated from either the short or long side.
- The system provides quick and easy picking.
- Can be equipped with a pick light system that makes it quick and simple for the operator to batch pick.
- Can be connected to the warehouse management system (WMS).

### More information

[Product info](#)

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- HOC can handle very large volumes of goods.
- Both small items and the large goods can be picked from the same machine.



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