

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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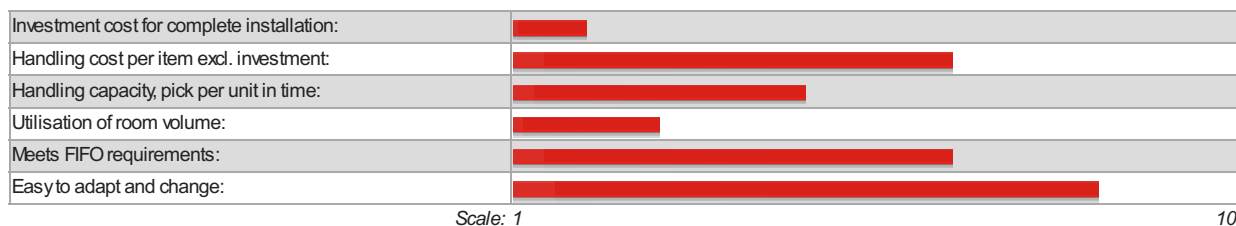
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HI280 Shelving System Standard

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



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 / m² (5 kN / m²) 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](#)

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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.

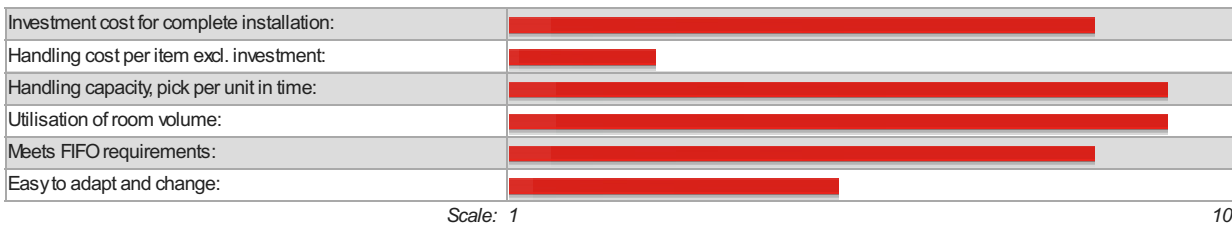
More information

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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.

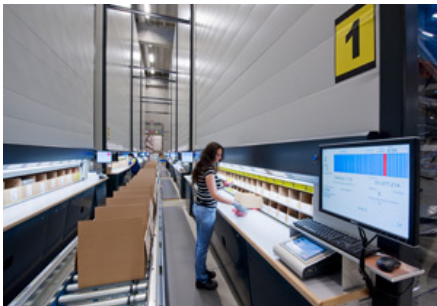
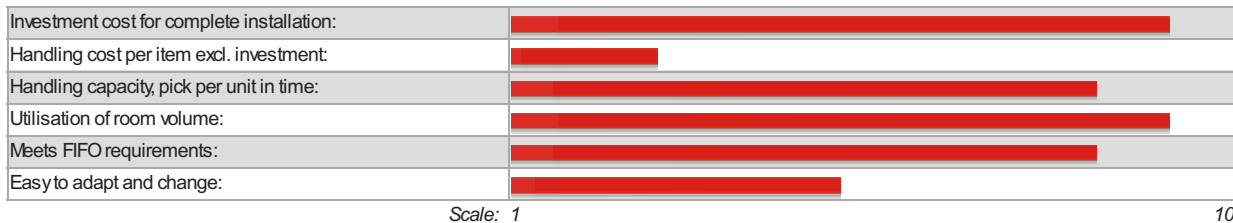
[Accessories](#)

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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](#)

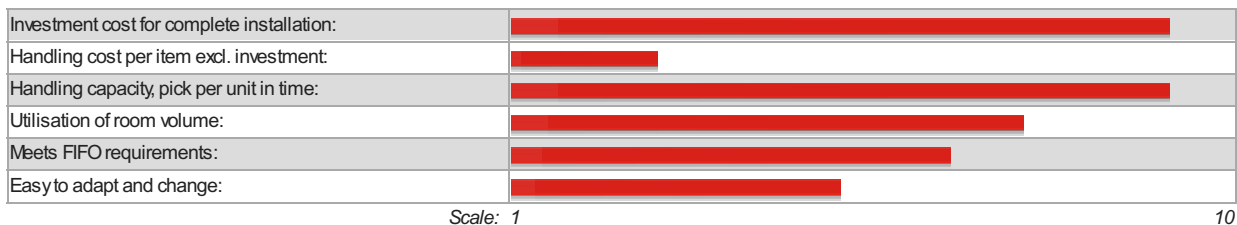
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HOCA Horizontal Carousel

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

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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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