



# Automated compact storage system for containers

## PowerCube

Up to 4x higher storage density / system height up to 12 metres

**JUNGHEINRICH**

# **Make full use of the available time and space with the PowerCube.**

## **The compact solution for automated and efficient storage.**

In this era of e-commerce and just-in-time delivery, companies can very quickly reach their limits in terms of time, space and organisation. Now, the PowerCube from Jungheinrich can transform space and time in your warehouse.

The PowerCube is an automated compact storage system for containers in which the individual containers are stacked vertically, stored, relocated and retrieved by lithium-ion shuttles and taken to the workstations. The PowerCube can be individually adapted to spatial requirements and the desired throughput.

Whether it is used as a stand-alone solution or integrated into a complex automated warehouse, the PowerCube always guarantees speed, flexibility and efficiency. The self-contained intralogistics solution sets new standards in the field of automated warehouse systems and is perfect for further increasing your profitability and competitiveness.

## **Your benefits at a glance**

- Unique use of space up to 12 metres in height.
- Easily scalable in terms of throughput, number of containers and shuttles.
- Offers a storage density that is up to 4 times higher than a shelving system.
- Impressive speed, reliability and efficiency.
- Inexpensive automation solution and cost-effective 24/7 operation.
- Simultaneous transport of 2 containers and payload of up to 50 kg per container.

# Your PowerCube

## for maximum customer benefit.



### Efficient

Maximum efficiency in the smallest of spaces.

The PowerCube opens up a new dimension in efficiency for your warehouse: It combines performance and cost-effectiveness with optimal use of space.

#### Powerful performance

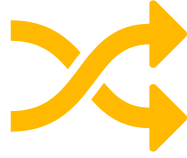
- High throughput thanks to the use of an automated shuttle system: Each shuttle can hold up to 2 containers at the same time.
- Fast storage, retrieval and provision of goods at the workstations.
- Suitable for systems with a very high number of containers and a payload of up to 50 kg per container – unprecedented for a compact storage system for containers.
- Shuttles can be charged during operation, resulting in no downtimes and 24/7 operation.

#### Ultra compact design

- Extreme space-saving design.
- The use of vertical container stacking increases the storage density by up to 4 times compared to a shelving system, improving space and organization in the warehouse.
- Optimum use of space results in more free space for other uses or for expanding your product range.

#### Inexpensive automation

- High profitability due to automated and efficient processes.
- The ease of integration makes the PowerCube ideal for those new to automation.



### Pioneering

An intelligent solution to tackle existing and future challenges in logistics.

Faced with trends such as storage consolidation, increasing automation and changing dynamics in intralogistics, the PowerCube represents an innovative solution for your small parts warehouse.

#### Flexible application

- Individual dimensions depending on the shape and size of the warehouse – up to 12 metres in height. This makes the PowerCube the tallest compact storage system for containers in its class.
- Flexible adaptation to different storage channel heights and ceiling constructions – an advantage over conventional warehouse systems.
- Highly scalable in terms of storage and retrieval volumes and number of containers.
- Can be expanded and relocated very quickly if demand increases.
- Can be used as a stand-alone solution, an addition to wide-aisle warehouses or the key component of a complex automated system.
- PowerCube system containers are compatible with external materials handling equipment.

#### Smart technology

- Smart shuttles ensure fast and automated processes and thus fewer complaints due to mistakes during order picking.
- An innovative solution for numerous industries such as e-commerce, wholesale and retail, industry and third-party logistics.

#### Sustainable concept

- Minimal energy consumption thanks to the use of lithium-ion technology in the shuttles.
- Fewer errors mean fewer returns and more efficient use of resources in transportation.
- Simultaneous transport of 2 containers shortens transport routes and saves energy.



### Reliable

Perfect conditions for safe and efficient operation.

As a fully automated compact storage system for containers, the PowerCube guarantees safe processes and uninterrupted operation. Plus, you will be guided through every stage from planning and integration to service.

#### Reliable processes

- Prevention of errors through automated processes.
- A complete overview of the inventory at all times, as each item is recorded.
- Reliable intralogistics means stable supply chains and satisfied customers.
- The highest standards in fire and accident prevention.
- Simple and ergonomic handling, while always striving for employee satisfaction and safety.

#### Easy integration

- Short assembly and commissioning times.
- Suitable for normal industrial floors without the need for milling or sanding the floor.
- No additional maintenance platform required: Maintenance and service work takes place at floor level outside the rack.
- Easily connected to the customer's WMS or ERP system.
- Since the solution is so easy to integrate, it is also an attractive option for those new to automation.

#### Strong partnership

- Holistic intralogistics solution from Jungheinrich: Assistance with planning and implementation through to service and support.
- As a general contractor with many years of automation and software expertise, Jungheinrich is able to offer everything from a single source. This sets the system apart from other comparable automated warehouse systems.

Zertifiziert sind die deutschen  
Produktionswerke in Norderstedt,  
Moosburg und Landsberg.

ISO 9001  
ISO 14001

Jungheinrich Flurförderzeuge  
entsprechen den europäischen  
Sicherheitsanforderungen.



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