

Stacker cranes

Automated stacker cranes perform the storage and retrieval of goods while working within the racking system.

Application and function

Designed for automated material storage, stacker cranes move lengthwise along the aisles between the warehouse shelves, where they enter, position the load, and extract the materials.

The handling device picks up the loading units from the appropriate bays and then places them in the storage cells (and vice versa).

Control the storage of your goods

Our extensive range of stacker cranes can operate with diverse loads, from 1kg to 5000kg, arranged in single or multiple deep storage configurations. They may reach up to 50m and achieve speeds up to 6m/s.

In addition, in-rack overhead cranes (inverted stacker cranes with a telescopic mast) allow the easy circulation of people, and equipment such as forklifts, AGVs or conveyors.

The ground level beneath an in-rack overhead crane solution can be dedicated exclusively to picking operations, creating a high number of picking stations in a reduced area, while granting easier access to products, ensuring excellent workplace ergonomics.



“There is a lot of innovation happening, and we stay agile by integrating with the latest and greatest technology.”

Michiel Veenman
Körber

Key benefits

Technology agnostic

We don't stick to any single technology. We deploy the technologies that work best to increase your process innovation and reduce your business complexity.

Practical thinking

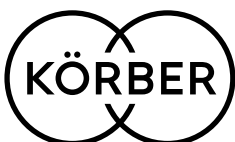
By understanding the business processes and material flows you need to optimize your competitiveness, we shape the optimal supply chain solution for you.

Risk-free delivery

We deploy the newest technologies only after thoroughly evaluating their design, reliability and effectiveness. In this way, we deliver risk-free projects on time and with the right result.

Research-based results

By taking the time to understand your business operations and value chain, we deliver custom solutions for your B2B, B2C and online supply streams.



This equipment can also be designed to operate in special working conditions, such as freezing, high humidity and clean or harsh environments.

Benefits

- Automation of the product input and output operations.
- Fast and accurate warehouse controls and updates, facilitating the inventory system.
- Elimination of manual errors.

The stacker cranes are driven by the warehouse management software, which coordinates their activities.

Main configurable characteristics

- Storage configuration: single, double or multiple deep.
- System configuration: one/several stacker cranes per aisle, or aisle-switching curving stacker cranes.
- Type of handled load units: pallets, containers, totes, cartons, frames.
- Number of load handling devices.
- Stacker crane type: single or double mast, in-rack overhead crane.

The Körber difference

We map your existing processes and customer requirements, and implement targeted, meaningful solutions. By applying integrated technologies developed by the leading industry innovators, we remain responsive and agile to our clients' changing needs.

“Our aim, first and foremost, is to be the best lifecycle partner for our customers.”

Thomas Metz
Körber

Our solution in use



Anheuser-Busch InBev

AB InBev is the world's largest beverage and brewery company. Körber delivered a fully automated warehouse management solution to increase storage efficiency and productivity at their UK brewery. Stacker cranes handle two pallets at a time to achieve greater levels of throughput.

Contact us to discuss your warehouse's requirements

koerber.com/competency

