


# Small parts storage

## Vertical lift system

JUNGHEINRICH

# Vertical lift system

## for high-density storage.

**Maximum picking performance in a small space.**

The vertical lift system enables high-density storage on a small footprint, be it in production or in the warehouse. Ideal for remaining flexible in the face of frequently changing goods and keeping productivity levels high. The enclosed system comprises trays stored vertically on both sides, an extractor and a control unit to deliver the goods to an ergonomically arranged service opening. Even during order picking of a tray, the extractor is already working in the background to prepare the next tray in order to minimise time losses. High speeds, minimum waiting times and perfected tray handling all combined to guarantee optimum picking capacity. The Jungheinrich Logistics Interface serves as the interface with your warehouse management software so you can easily connect your vertical lift system to your existing system.

JUNGHEINRICH
RACKING COMPETENCE

**Racking expertise since 1958**

Racking is the backbone of your warehouse. We develop tailored solutions for every industry and every demand in order to meet the utmost quality requirements and to grow along with your needs. As a system provider, we are your single point of contact from planning right through to after sales.

JUNGHEINRICH
RACKING INSPECTION

**Certified quality. Guaranteed**

Even when your racking solution is up and running, we continue to ensure quality and safety levels in the warehouse. At your request, one of our 120 certified inspectors will visit your site to perform the annual inspection stipulated by DIN EN 15635. If something is amiss, the original spare parts will be delivered right away.

## All benefits at a glance

- Significant reduction in storage space by utilising the room height (up to 30 metres)
- Efficient order picking by shortening routes
- Flexible expansion capability guarantees future investment security
- Pick-to-light systems minimise picking errors
- Easy to connect to a variety of Warehouse Management Systems

# Your Jungheinrich racking

## for maximum customer benefits.



### Flexibility

Racking as individual as your business.

Jungheinrich lift racking is put together and assembled according to the modular principle. The modular design means that the height of the unit can be quickly and cost-effectively adjusted to changes in location or working conditions.

**Modular design**

- Up to 6 service openings at the front and rear.
- Minimum tray spacing of 25 mm.
- Subsequent increase in 100 mm increments possible at any time.
- Additional trays can be added later.

**Simple reprogramming**

- Slow speeds for delicate items.
- Storage of frequently needed items near the “golden zone”.
- Stipulation of access rights for trays.
- Simple storage of trays with varying weight capacities.



### Efficiency

Everything you need for optimum material flow.

Unlike conventional modular racking systems, lift racking enables high-density storage in a small space. The goods come to the operator, thus saving on highly time-consuming and energy-consuming routes. The space gained can be used for another purpose.

**Small space requirement**

- Almost infinitely variable storage of trays reduces space requirement significantly.
- Regular optimisation of the use of space possible thanks to the storage consolidation function.

**Easy integration**

- Easy to integrate into existing warehouse processes.
- Direct connection to warehouse management systems (WMS) such as Jungheinrich WMS or SAP EWM.
- Integration via award-winning interface software Jungheinrich Logistics Interface or add-on module LRK Connect for SAP EWM.
- Stock management possible in WMS.

**Pick-by-light systems (optional)**

- Laser pointers show the operator which parts are to be removed.
- TIC matrix at the lower end of the service opening supports quick and precise retrieval of goods.



### Safety

Best conditions for working safely.

Our preventive services and the appropriate racking accessories ensure that people, trucks and racks all stay safe – in every situation. So your processes can keep flowing and your capital goods remain protected.

**High process reliability**

- Controlled access to individual trays.

**Safety equipment**

- Lift doors and light curtains for maximum safety and a high level of protection for personnel and goods.

# Overview

## The right solution for your applications:

| Name | LRK 250 / 500 | LRK 700 | LRK 1000 |
|---|---|---|---|
| Equipment height min/max | 2250 - 30050 mm | 2550 - 20050 mm | 2250 - 20050 mm |
| Equipment width min/max | 1580 - 4380 mm | 1580 - 4380 mm | 1580 - 4380 mm |
| Device depth min/max | 2315 - 3074 mm | 2362 - 3125 mm | 2362 - 4343 mm |
| Load (max.) | 120 t | 120 t | 120 t |
| Tray width min/max | 1250 - 4050 mm | 1250 - 4050 mm | 1250 - 4050 mm |
| Tray depth min/max | 610 - 864 mm | 610 - 864 mm | 610 - 1270 mm |
| Fabric height (max.) | 730 mm | 730 mm | 730 mm |
| Tray load (max.) | 555 kg | 725 kg | 1000 kg |
| Storage location grid | 25 mm | 50 mm | 50 mm |
| Tray spacing (min.) | 75 mm | 100 mm | 150 mm |
| Lift speed (max.) | 2 m/s | 1.2 m/s | 0.73 m/s |
| Extractor speed (max.) | 0.7 m/s | 0.39 m/s | 0.39 m/s |

The German production facilities in Norderstedt, Moosburg and Landsberg are certified as well as our Genuine Parts Center in Kaltenkirchen.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.

CE

JUNGHEINRICH