

kardexremstar

Scale your intralogistics.
Vertical Buffer Module.



Simple integration

Energy efficiency

High picking performance

Intralogistics trends of the future

What you need
to be prepared for:

Growing process complexity due to:

- Wider product ranges
- Increasingly smaller batch sizes
- Safety and ergonomics in the workplace

24-hour service due to increasing **e-commerce** trends and fast access to production and spare parts

Accelerated **technical progress** and increasing **individualization** of logistics processes

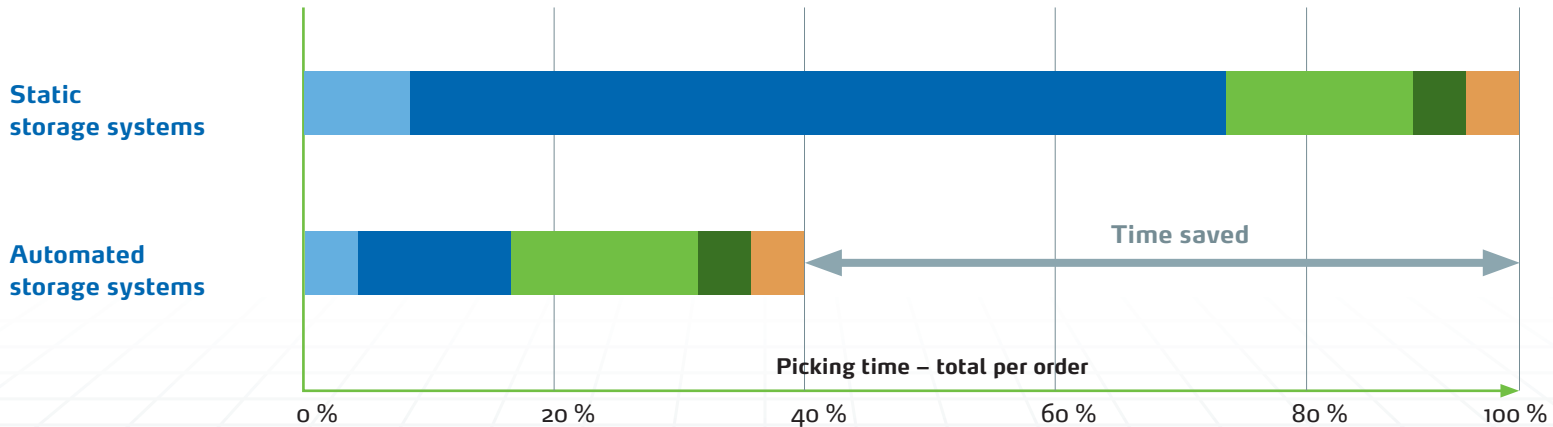
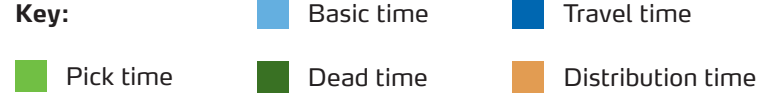
Efficient storage, retrieval, and distribution of goods within companies

Quickly expanding range of products:
Finished goods, components, spare parts

Vertical Buffer Module – Secure a competitive edge by optimizing intralogistics

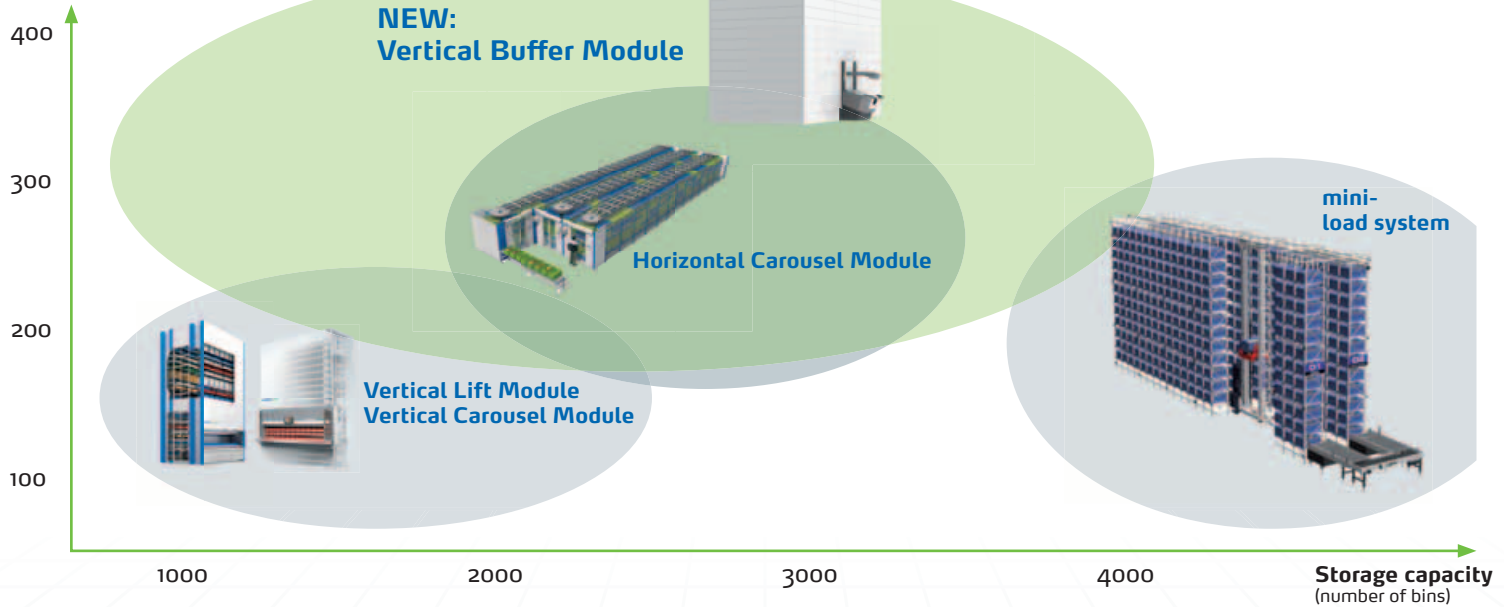
The new Vertical Buffer Module product category from Kardex Remstar is the ideal solution for picking small parts and small quantities from totes, bins, cardboard boxes, and trays.

Here is a **comparison of picking processes** using static and automated storage systems:



The Vertical Buffer Module product category and applications

Order picking performance
(picks per hour)



Make your storage logistics fit for future market requirements

With the Vertical Buffer Module from Kardex Remstar you can modernize your intralogistics, systematically order your processes, and optimize your workflows.

Scale your intralogistics. Vertical Buffer Module.

Kardex Remstar has developed the new Vertical Buffer Module product category for future intralogistics market requirements.

Combining the most essential elements:

- One or more picking stations or access openings
- Mini-load bins, trays, and other loading equipment
- A shelving system with an aisle
- An automatic handling system
- Logistics and picking software

Introducing the LR 35 – the first product in the Vertical Buffer Module series.



The advantages of the new Kardex Remstar LR 35

More efficient order picking

- Practically **no picking errors** thanks to controlled access to one single bin
- **Precise, simple, and fast order picking** using pick-to-light systems
- **There is no longer a need to search for a storage location** and the picking process is optimized
- **Fewer employees needed and money saved** due to automatic replenishment



Energy efficiency by design

- **Consumes a third of the energy** of comparable systems by using the latest technology and innovative design features
- **No energy recovery necessary**



Lightning-quick access

- **Short travel times** by delivering bins to one access opening from an entire storage area
- **Very fast picking speed** with any unit size

Flexible storage of goods

- **A mix is possible!**
Trays and bins can be easily mixed
- **More with less**
Wide range of items and high storage capacity coupled with fast access times and small storage volume per item



The advantages of the new Kardex Remstar LR 35

Comfortable picking

- **Ergonomic working conditions** provided by different picking stations

Simple integration

- Thanks to its **modularity** and **scalability** the Kardex Remstar LR 35 can be perfectly adapted to processes and building dimensions

The result: Fast project management and delivery times



The Kardex Remstar LR 35 in use

Kit assembly

The Kardex Remstar LR 35 is capable of achieving exceptionally high picking performance and can store and buffer **goods of different sizes** particularly efficiently.

It provides ideal conditions for intelligently **putting together assembly kits** from various components.



The Kardex Remstar LR 35 in use

Supplying assembly areas

Pre-picked order bins are placed in an intermediate buffer before assembly, so that orders can be retrieved **just in time** for continuous component assembly. This prevents incorrectly picked orders and ensures that the right components are always supplied.

In combination with your **conveyor technology** you can create ideal conditions for optimal material flow.



Slow-Mover Management

The goods-to-person principle and **high picking performance** make the Kardex Remstar LR 35 particularly suitable for goods with low turnaround.

This makes it possible to pick numerous **articles of various sizes** in small amounts consecutively.



The Kardex Remstar LR 35 in use



Technical data

Performance

- Up to 500 order lines per picking station and hour (A station can consist of one or more units)
- Max. total load 138,891 lbs (63 t)

Bins

- Standard mini-load system compatible bins 23.6" x 15.7" (up to 25.2" x 17.3")
- Load 77 lbs / location

Unit dimensions

Width 6.3 ft to 34.4 ft
Depth 7.7 ft
Height 9' 10" to 39' 8"
for bins measuring 23.6" x 15.7"

Unit vertical steps

3.9" increments



Options

- Several access openings per unit
- Different access opening designs
- Automatic connection of existing conveyor technology
- LED pointer
- Position indicator
- LED lighting
- Barcode scanner
- ESD version
- Sockets and interfaces
- Optical status signals
- Confirmation buttons
- RFID scanner for user login

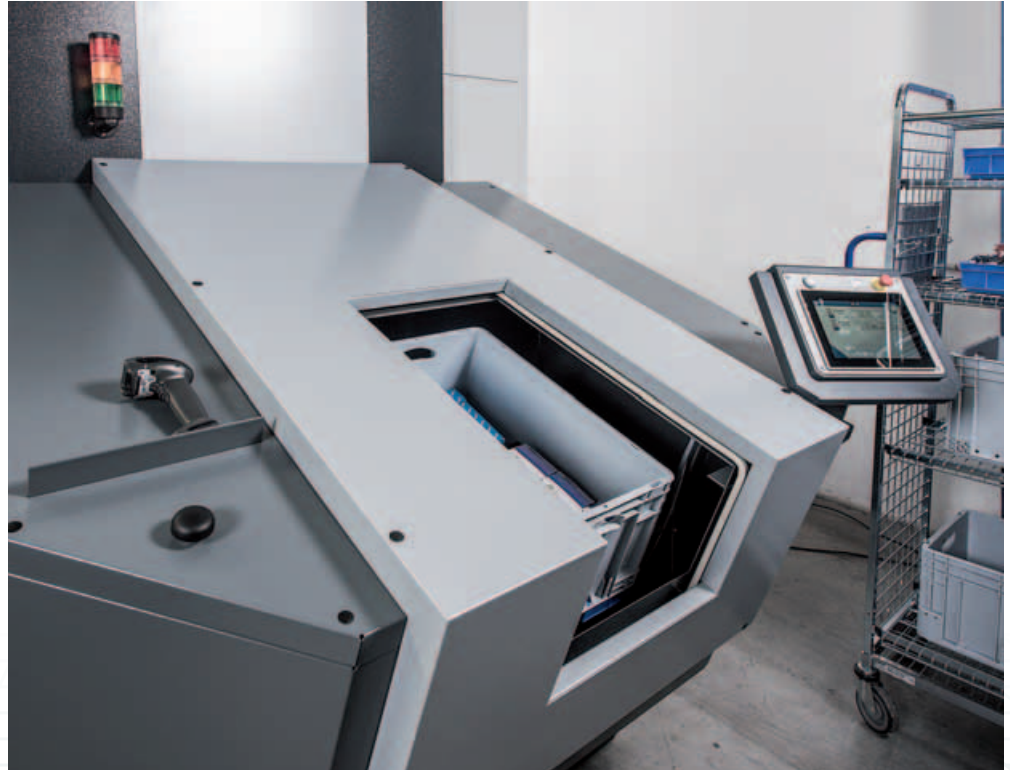
Unit components – Access openings and picking stations

Select the most suitable access opening for your requirements. **Up to four access openings** can be fitted on each unit, working together for maximum throughput.

Picking station

The turntable is the key element of the picking station. Tilted at a 20° angle, it is **particularly ergonomic** and thus easy to operate.

While the operator is picking the order the next bin or tray is being prepared in the background and placed on the **rear shelf of the turntable**. As soon as the operator has finished picking one order the turntable rotates by 180° and the next bin is ready for picking.



Manual access opening

The manual access opening is ideal for **controlled access to individual bins**, containing valuable tools and equipment, in conjunction with user administration.



Unit components – Access openings and picking stations

Conveyor connection

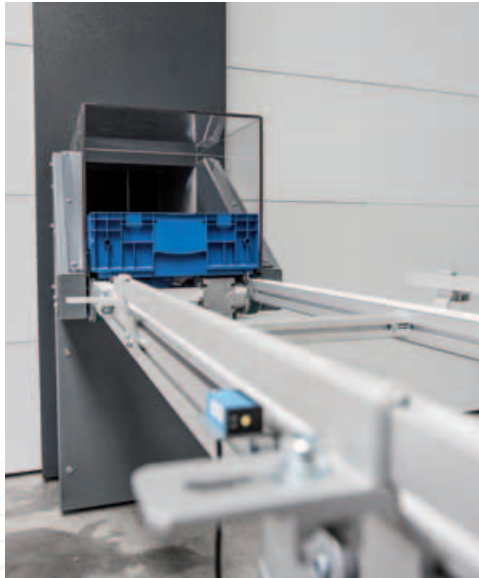
The Kardex Remstar LR 35 can easily be connected to existing conveyor technology, either for **manual storage and retrieval** of bins and trays or for **automatic operation** and transfer to the existing material flow.

The connection can be fitted on the front, rear or face side of the unit. The conveyor connection serves to **transfer or return the bin/tray** to the storage position in the Kardex Remstar LR 35 shelf system when transporting to or from an external conveyor system.



The conveyor connection has been designed for **permanent filling and retrieval** of entire bins.

Automatic replenishment saves staff costs.



Operation – More performance, more flexibility, more convenience

Unit software

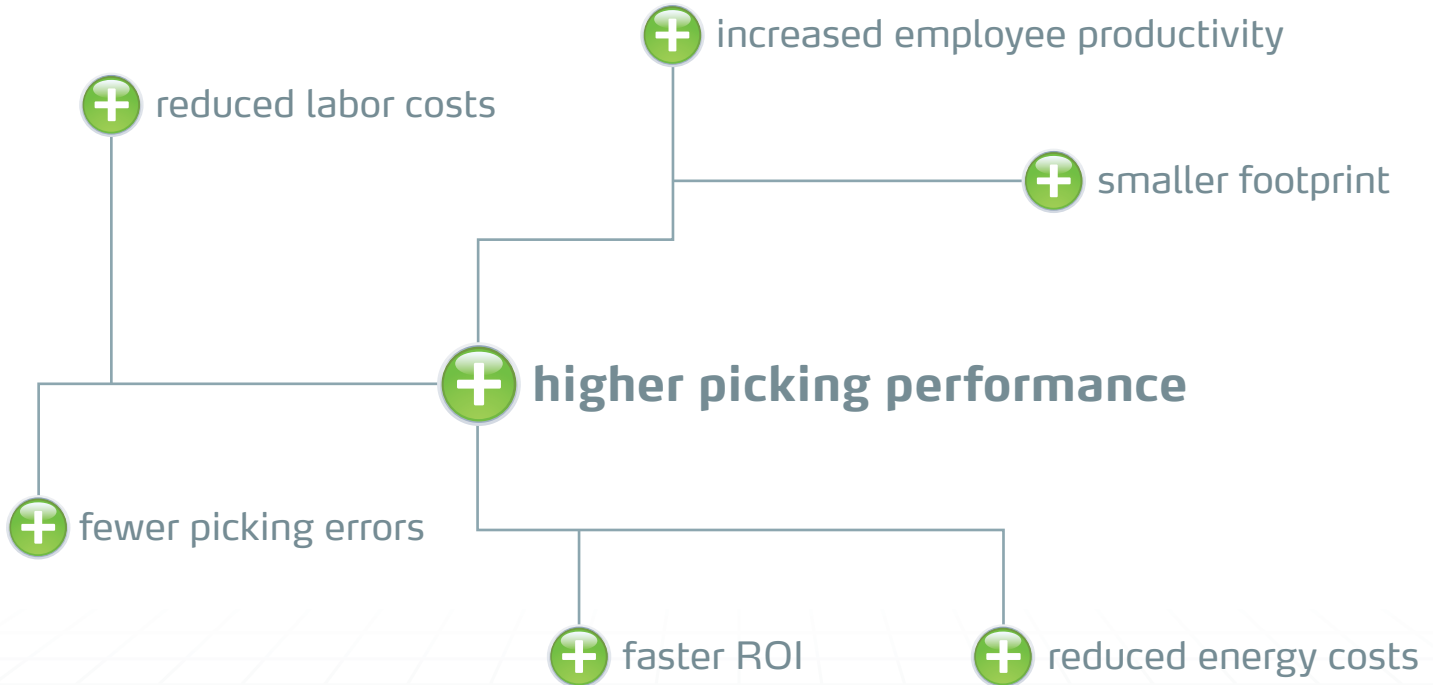
The Kardex Remstar LR 35 features a **modern operating concept** with new software architecture and touch display.

Faster handling is possible thanks to the capacitive **high-resolution touch screen**. The efficient and flexible hardware guarantees **fast performance**.

The **software is Web-based** and can thus be used with a wide range of hardware. New and enhanced functions give users real added value.



The right decision – Kardex Remstar LR 35





Scale your intralogistics. Vertical Buffer Module.

Modular and scalable
from small to large

kardexremstar

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