

# Hospital Logistics

Improving The Patient Experience



## Improving Patient Experience



Today the pressure on hospital executives and managers to reduce hospital operating costs is rising. In order to survive and maintain a profit margin in this economic climate hospitals are forced to cut costs. The largest component of the hospital operating budget is the supply chain, which is now coming under the microscope of hospital administrators.

### Leaning Out Waste

Very often hospitals are using outdated technology and antiquated processes in their materials handling flow. By implementing dynamic storage and retrieval solutions such as horizontal and vertical carousels to increase pick accuracy, improve productivity and save space: hospitals are leaning out wasted time

and money in current processes. By implementing these systems, hospitals have realized sustainable reductions of waste attributable to labor, inflated inventories, expired product costs, lost items and workplace injury.

### Part Traceability

Complete traceability is no easy task. Inventory management software provides real time information for traceability, can reduce stock levels and can generate on demand reports with little effort.

## Order Picking

**When speed matters... in situations in which every minute counts and accuracy becomes an issue, we can make your distribution run smoothly.**

Multiple inventory management techniques including batch picking, pick and pass, parallel picking, static or dynamic batching, host-directed batching and many more can be incorporated in order to make your order processing run exactly according to your needs.

Our solutions are designed to be modular and can be integrated in stages into any workflow, regardless of its current level of automation.



## Horizontal Carousels



### An efficient solution for fast order picking

Whether in production or distribution, for applications with frequent access to stored items Horizontal Carousels are the perfect solution. Providing fast access times, increased throughput and short delivery periods, Horizontal Carousels can speed order picking operations. Integrated inventory management software and pick to light technology can drive batch picking to maximize throughput and increase pick accuracy while providing the flexibility to handle seasonal peak volumes.

## Shuttle XP



### High-density storage in a compact footprint

The Shuttle XP has been designed to meet a broad range of storage and retrieval application requirements in manufacturing, distribution, retail and warehouse operations. The combination of storage density, flexibility, effectiveness and security makes it a unique storage solution. Trays are automatically delivered to the access opening at the push of a button or a scan of a bar code. The device is modular in its construction allowing the height and number of access openings to be adjusted post construction. By utilizing existing ceiling height, up to 85% of occupied floor space can be recovered. The height of each tray is automatically scanned to find the ideal storage location within the system using the least amount of possible space.

## Case Study: hospital supply chain distribution improves patient experience



### The Customer

Founded in 1908 in Denver, Colorado, Children's Hospital Colorado recently moved to a new facility in the suburb of Aurora. Children's Hospital Colorado has grown with the community from 30 beds in 1908 to 298 beds today with plans to add another 124 beds in the future. The materials management stockroom picks and delivers over 141,000 pieces a day.

1

### Task definition

Children's Hospital Colorado needed to maintain inventory levels in less floor space once they moved to their new facility.

2

### Solution

Three horizontal carousels, pick to light technology and inventory management software.

3

### Advantages at a glance

- Saved 42% floor space
- Reduced labor requirements

4

### Scope of delivery

- 3 Horizontal Carousels
- Pick to Light Technology
- Inventory Management Software

## Life Cycle Management

### Life Cycle Management

We keep your logistics on the move. 24 hours a day, 7 days a week, in over 25 countries throughout the world. Life Cycle Management is the active management of the complete life cycles of Kardex Remstar storage and retrieval systems. Our service provides a secure basis for the long term, efficient operation and ensures sustainability and profitability. Life Cycle Management by Kardex Remstar comes in three practical packages.

### ESSENTIAL

Qualified dealer certified service technicians implement know-how to protect and maintain your machinery and equipment. The service included in this package sets the foundation for long term and efficient operation of your storage unit.

### PLUS

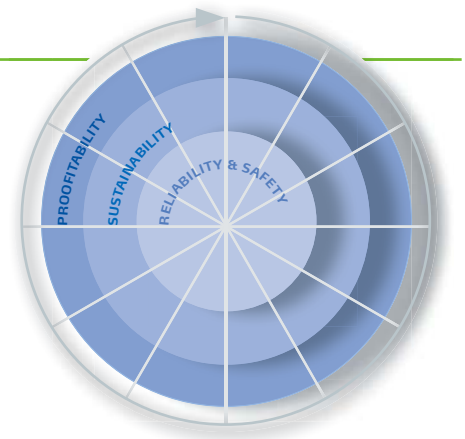
Besides maintenance, the key components of this service package include priority telephone support with 24/7 availability every day of the year and high-efficiency management of spare parts.

### EXTRA

Are you looking for something more? If so, the EXTRA Service package is the answer! Active maintenance management, move management, modification work plus training and regular software support combine to make this service package comprehensive.

### Service Products

- Safety Inspection
- Standby Service
- Telephone Support
- Maintenance



- Spare Parts
- Move Management
- Repairs
- Modifications
- Training
- Spare Part Packages

## Kardex Remstar:

Your local authorized Kardex Remstar distributor

**Our dynamic storage and retrieval systems are designed to improve your material flow and optimize your intralogistics.**

**Experience in intralogistics: as a technical leading supplier of vertical lift modules, vertical carousels, horizontal carousels, order picking software and life cycle services Kardex Remstar has installed more than 140,000 dynamic storage solutions all over the world.**

Our applications serve a wide range of customers including administration, automotive, chemical & pharmaceutical, electronics, government, healthcare, medical device, oil & gas, and warehouse & distribution. With more than 1,300 employees, two production facilities and local representatives and service locations in over 30 countries around the globe we offer solutions that provide greater profitability.

Further information: [www.kardexremstar.com](http://www.kardexremstar.com)