

## Maintenance

Maximize Uptime With Quick Access  
To Spare Parts



## When Speed Matters



From spare parts distribution to maintenance and repair parts to handling tools, dies and fixtures it's critical to find parts quickly and accurately. Automated storage and retrieval solutions provide increased part accessibility and accuracy, along with accountability and real time stock management.

### When Speed Matters

In operations when every minute counts, automated storage and retrieval solutions can increase productivity by eliminating walk and search time commonly associated with shelving. With the push of a button the part is delivered to the operator, clean and ready to use, within seconds. To maximize order picking throughput, batch picking allows an operator to fill multiple orders simultaneously.

### Pinpoint Pick Accuracy

Using pick to light technology the operator is directed to the exact location of the required part, increasing pick accuracy to 99.9%. The TIC (transaction information center) provides the location, quantity and description of the part to be picked.

### Prevent Part Shortages

Integrated inventory management software provides real time inventory. Reorder points can be set by part number. When the part quantity dips below the reorder point, purchasing is notified, preventing part shortages.

## 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.



## 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.

## 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.

## Case Study: parts distribution center doubles productivity & recovers 83% floor space



### The Customer

Kubota has been introducing groundbreaking tractor and utility vehicles for construction, commercial and residential use for 36 years. The distribution center in Markham, Canada fulfills Kubota's parts promise; keeping parts available for 20+ years.

1

### Task definition

Kubota Canada aimed to manage inventory growth while increasing productivity and maintaining labor rates.

2

### Solution

Pick and pass strategy with three pick zones: six horizontal carousels for fast movers; four Shuttle VLMs for medium movers and hi bay shelving for slow movers.

3

### Advantages at a glance

- 83% floor space savings
- Improved picking productivity
- Increased pick accuracy

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### Scope of delivery

- 6 horizontal carousels
- 4 Shuttle VLMs
- 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

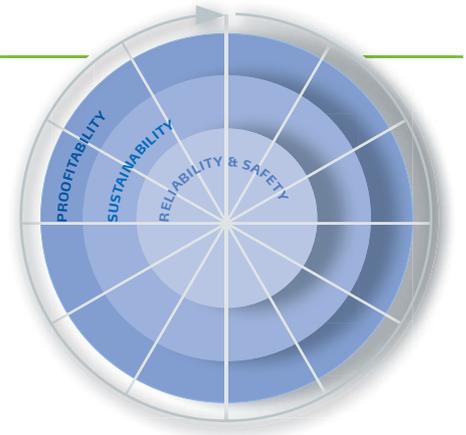
Besides maintenance, the key components of this service package include priority telephone support with 24/7 availability every day of the year and high-efficiency management of spare parts.

### 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)