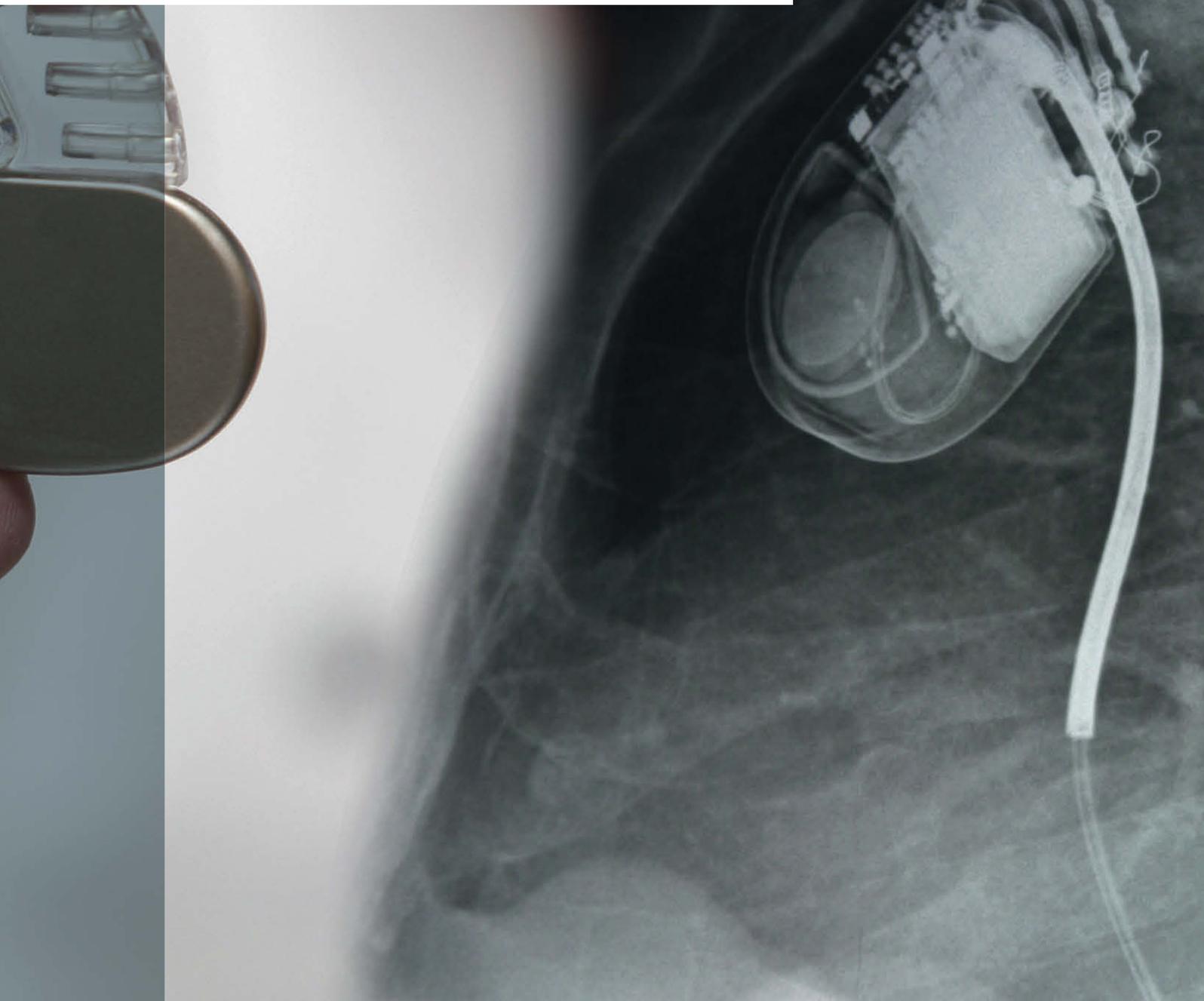


Medical Device Manufacturing

Parts Handling That Exceed
Good Manufacturing Practices



Exceeding Good Manufacturing Practices



Stock Rotation

When used in conjunction with Power Pick Global warehouse management software, Kardex Remstar dynamic picking solutions provide electronic documentation for stock rotation programs and ensure that expired devices are not shipped.

Picking Validation

Bar code verification routines assure picking accuracy. Picking validation can be set up to verify items by material, location, lot or serial number, allowing tracking of non-conforming items and preventing accidental release of items on hold.

Medical device manufacturers must comply with record keeping and quality control processes mandated by the Food and Drug Administration (FDA). To comply with these regulations, medical device manufacturers must establish and maintain procedures to ensure that mixups, damage, deterioration, contamination or other adverse effects to products do not occur during handling. The regulations

go on to ensure that obsolete, rejected or deteriorated products are not distributed and that items adhere to proper stock rotation. Kardex Remstar automated storage and retrieval systems support the processes demanded by leading medical device manufacturers – from receiving to quality control to manufacturing to distribution and shipping.

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.

Megamat RS



Maximum storage space on a minimal footprint

Kardex Remstar has thoroughly refined the Megamat system, which has been proven over decades of use. The compact design ensures maximum storage space using minimal floor space. Shelves or drawers rotate up or down via the shortest path to automatically deliver stored items to an operator at an ergonomically positioned work station. Every Megamat RS can be used as a standalone solution or integrated with software.

Case Study: distribution of medical devices on just-in-time basis, supports over 500,000 surgeries/year



The Customer

DePuy, Inc. is a major medical device manufacturer and distributor. DePuy distributes a large volume of medical devices on a just-in-time (JIT) basis directly to hospitals and to its sales force of individual reps, who deliver to the hospitals. The DePuy DC turns most orders around in the same day, marked from the time of order receipt to the time of that order shipping.

1

Task definition

DePuy, Inc. needed to comply with quality assurance procedures, save floor space and ensure accuracy.

2

Solution

One Shuttle XP, Two Vertical Carousels, Three Horizontal Carousels integrated with inventory management software.

3

Advantages at a glance

- 99.9% order accuracy
- Picking up to 625 lines per hour

4

Scope of delivery

- 1 Shuttle XP
- 2 Vertical Carousels
- 3 Horizontal Carousels
- Inventory management software

Software Solution Power Pick Global

Flexible Warehouse Management Software for intralogistics solutions.

Power Pick Global is a user friendly Warehouse Management Software designed to enhance intralogistics solutions by providing complete inventory management. Combining dynamic storage systems with Power Pick Global maximizes storage density, reduces pick times for greater productivity and increases pick accuracy.

The software can optimize space within the unit, create pick sequences, prevent out of stock inventory shortages and provide easy real time reporting. With a modular structure, Power Pick Global can meet a customer's requirements – today and in the future.

It can be tailored to various requirements and meets the highest quality standards. Designed as a base package with multiple add-on options, Power Pick Global can be customized to meet the exact needs of each application.

Why choose Power Pick Global?

Efficiency

Power Pick Global helps lower processing times, sequences order picking and assists with time optimized unit movement to increase throughput.

Accuracy

From standard validation via barcode, handheld scanner, weight control or pick to light technology, Power Pick Global



reduces picking errors, increasing accuracy to up to 99.9 %.

Security

Individual user and group rights can be controlled and managed, each transaction can be tracked.

Integration

Based on the latest windows technology, Power Pick Global can be easily integrated with your current ERP or host system.

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