

Software solutions for intralogistics processes

From the flexible entry solution to complex stock management: JMIF, Kardex Drive, Power Pick® Global



Power Pick Global: Flexible solutions and user-friendly software design provide maximum flexibility



Pick orders in the quickest and most direct sequence from dynamic storage systems. Achieve a noticeable reduction in picking times, tap into valuable storage resources, and boost productivity: Power Pick Global gives you the flexibility to adapt to changing requirements, both today and in the future.

Structure of Power Pick Global

The **Keytec**® core module forms the basis of the structure for Power Pick Global. **Keytec** includes functions for convenient management of users, rights, containers, materials, warehouses, and storage spaces. They enable simple reporting by means of preproduced lists and reports. Unscheduled stock placements and return transfers are also possible with automatic storage space suggestion and unscheduled stock removals can also be made using dynamic lists.

On top of this, further optional modules can be put together in line with customer requirements, thus further boosting the functionality of Power Pick Global. If required, Power Pick Global can be individually adapted with special programming.

Special programming

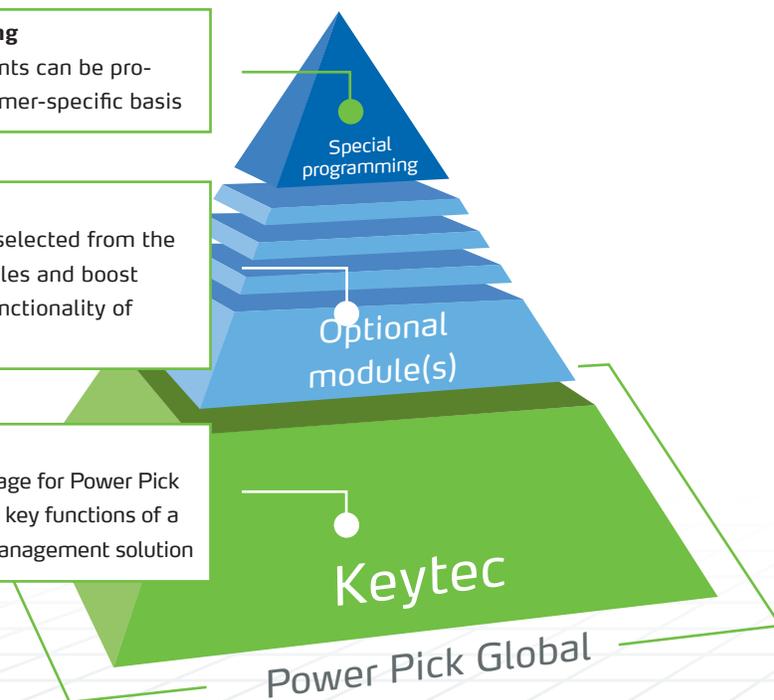
Individual requirements can be programmed on a customer-specific basis

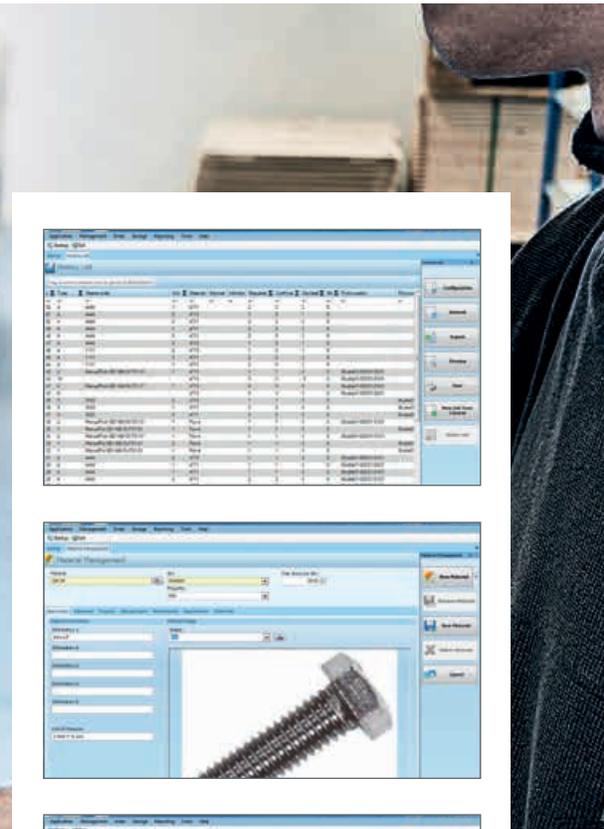
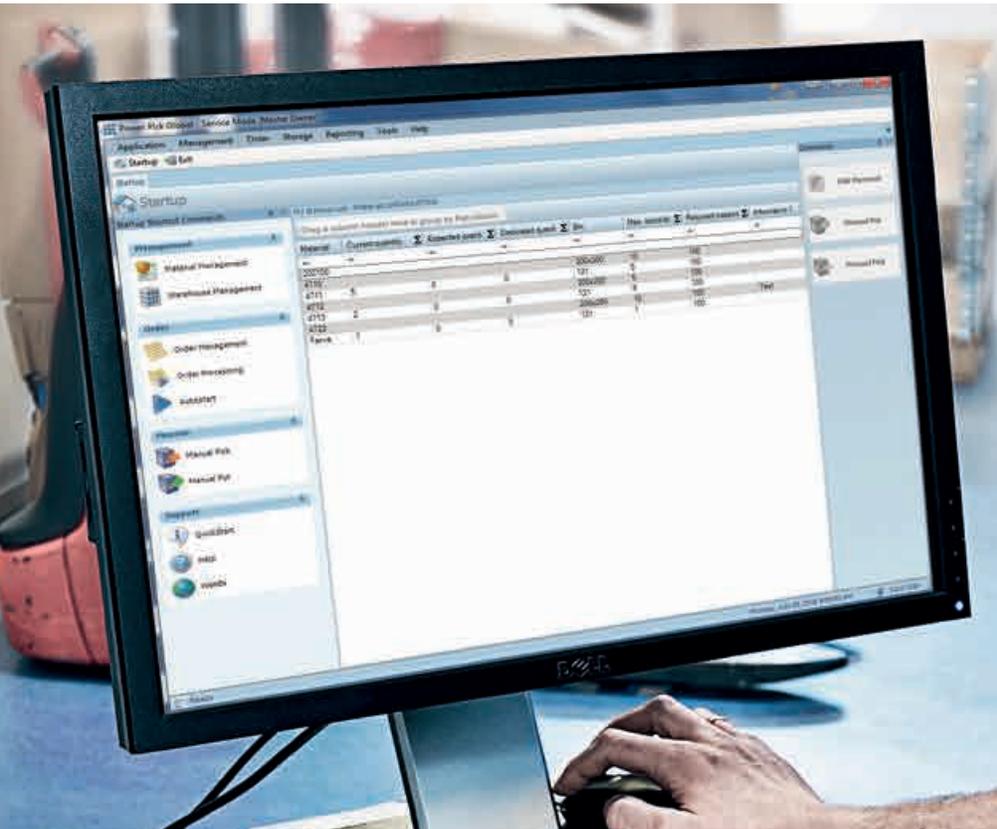
Optional module(s)

These can be freely selected from the list of optional modules and boost the capability and functionality of Power Pick Global

Keytec

This is the basic package for Power Pick Global and covers the key functions of a flexible warehouse management solution





Custom software packages based on expert advice

Building on the basic functions of Keytec, additional features such as interfaces, batch management, or inventory support can be added with optional modules or selected at a later time. Through consultation with our inventory management specialists optional modules are selected to create a custom software package meeting the specific needs of each customer.

Key functionality of Keytec

- **User management**
Management of user accounts and access rights for those within the software
- **Materials management/materials characteristics**
Management of materials (items) and their characteristics
- **Stock management**
Administration and organization of the dynamic and static storage systems, PC workstations, and peripheral equipment to be managed in the warehouse
- **Container management**
Definition and management of different container types and their dimensions
- **Storage space management**
Organization of the storage area provided by the dynamic or static storage systems for the use of different containers or free space
- **Unscheduled warehousing**
Individual, manual stock placements, return transfers, and stock removals
- **Report generation (basic)**
Access to predefined warehouse statistics and lists
- **History**
Logging of bookings and other software events

Key benefits:

- **Software-supported processes and checks (e.g. bar code checks)**
- **More efficient use of dynamic and static storage systems**
- **Functional scalability thanks to modular design**
- **Security for investments and for the future, thanks to modern development environment**
- **State-of-the-art IT architecture (client/server)**

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State-of-the-art IT architecture

development environment

Multiuser order picking: Intelligent solution generates considerably greater profitability



High-end order picking thanks to user guidance with visual display systems.

- **Order handling; working with orders**
- Bundling of several orders into collective orders (batches)
- Optimized, parallel control of multiple systems to provide the materials for the collective order – horizontal optimiza-

- tion without losses caused by movement times
- Use of special hardware (order picking trolleys with special display technology) to organize the removed parts for individual orders in the collective order (batch)

- Two order pickers can work at the same time with color guidance so that each knows which container to place his/her parts in

Case Study Schölly

Power Pick Global ensures that items are placed into stock systematically. Individual orders are compiled to form batches with stock removal based on the FIFO method. Orders are picked using pick to light in order picking trolleys.

Multiuser picking also enables parallel order picking of multiple orders with two pickers. During picking, the serial numbers are registered with a bar code scanner and checked for validity. Multiple users can work on one collective order at the same time:

- Each user is assigned a color, showing which pick light the picked goods should be allocated to. This boosts picking performance and at the same time minimizes the error rate
- The users have confirmation buttons in the relevant color to confirm removal (e.g. red/green)
- Can be expanded to include up to 5 pickers

Key benefits:

- Full integration of the warehouse into in-house processes
- Process integration through connection to the in-house ERP system by means of electronic data transfer
- Effective use of dynamic storage technology in terms of space and throughput
- High picking performance with minimized error rate

Scan here to see the practical application of Power Pick Global



MDE order picking: Mobile systems for person to goods operations



Mobile order picking between manual, order, and direct storage.

The concept of MDE functionality

The MDE (mobile data entry) device replaces the stationary Power Pick Global workstation, which is operated with dynamic storage systems, such as Shuttle XP and Megamat RS. It is used in applications where the goods are not brought to the person.

Examples of practical use include stationary shelving areas in the warehouse, pallet racks, floor storage, etc. that are managed by Power Pick Global. This requires a workflow that is adapted to the way of working, which is mapped out using the MDE.

Staff can use MDE for the following

- Manual stock placement and removal (with storage space suggestion)
- Performing direct stock placement (putting items directly into a storage space without a storage space suggestion)
- Working through orders
- Dynamic creation of collective orders and working through these directly
- Calling up storage space information at the storage space itself
- Correcting stock

The MDE concept turns the Power Pick Global workstation into a mobile system and can also be used across different zones, for example, while online connection via WiFi still guarantees instant data transfer at all times.

Key benefits:

- Management of order picking activities using mobile devices
- Stock management in areas without dynamic storage systems
- Independent workstations covering different zones
- Real-time data transfer through online connection via WiFi
- Reliable and clear menu guidance ensures minimal error rate

Kardex Drive and JMIF: Innovative communication solutions for connecting external systems



Solutions for networking external management systems with dynamic storage technology.

Kardex Drive

All dynamic storage systems from Kardex Remstar can be controlled directly from SAP®* with Kardex Drive. Here, the SAP® system used for stock management takes on full management of the storage spaces.

Benefits of Kardex Drive:

- Full integration of Kardex Drive in SAP®
- No time required for familiarization; simple installation
- Simple integration into customer-specific processes and reduction in the time needed for training

- Implementation without risks or impact for existing processes
- Languages available: German, English, French, and Dutch. A tool is integrated for translation into other languages.

JMIF (Java Machine Interface)

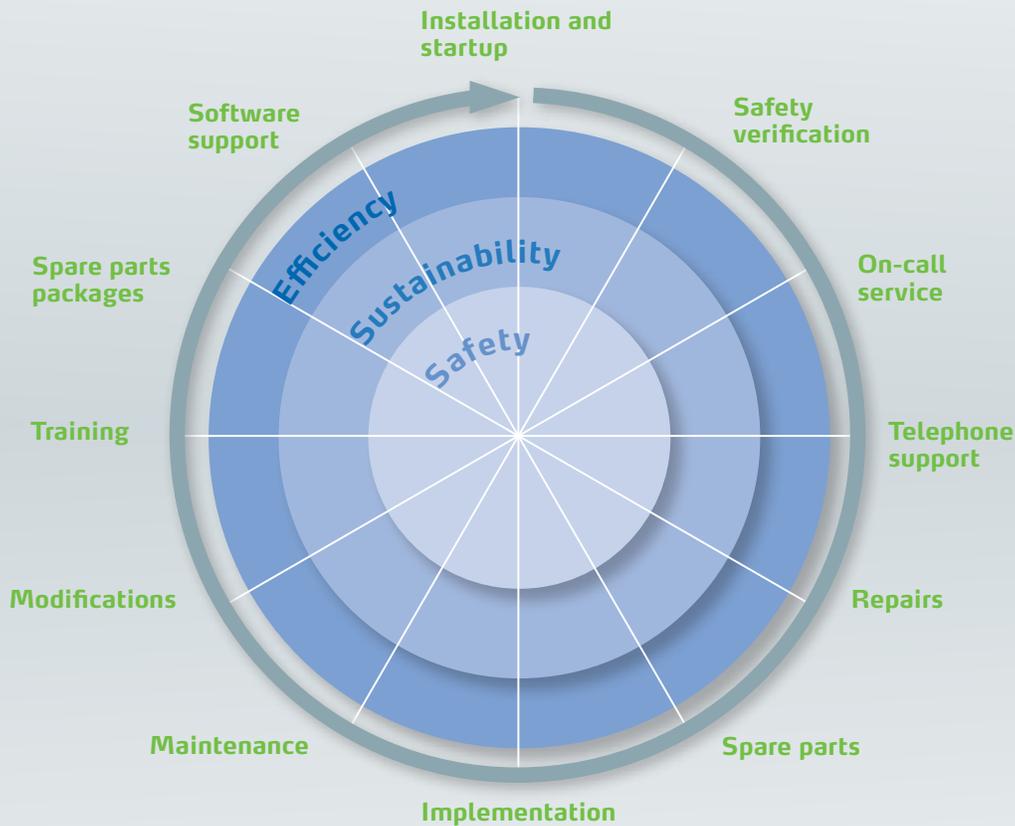
JMIF is a tool for communication between dynamic storage technology and external systems (such as stock management systems, handling devices, robots, conveyor technology, indicator lights, WMS).

Benefits of JMIF:

- Java technology means no platform dependency
- Based on widely used and rigorously tested open source components
- Can be run as a service or in a console without a user interface
- Excellent parallelization (multi-threaded)
- Control of multiple machines without loss of performance
- Highly configurable with extensive options

*SAP® is a registered trademark of SAP SE.

Kardex Remstar service principle: Guarantee high productivity for your company in the long term



The software experts at our central help desk take care of your service needs over the telephone and via remote access to the relevant applications if set up.

Depending on needs and production requirements (single shift, double shift, or continuous operation), coverage is also available outside of normal business hours and at the weekend. The contract types and support levels are as follows:

Support Level A:

Mon. - Fri. from 8 a.m. to 5 p.m., including public holidays

Support Level B:

24/7, 365 days a year

Key benefits:

- Many years of experience
- Manufacturer expertise
- Second and third level support
- Trained specialists
- Option for support around the clock, 365 days a year
- In-house support center
- Optimum availability of your Kardex stock management software
- Maximum system reliability
- Your business processes are safeguarded
- Boost in efficiency



800-639-5805
info.remstar.us@kardex.com

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**Further information:
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