Factsheet

Kardex Megamat
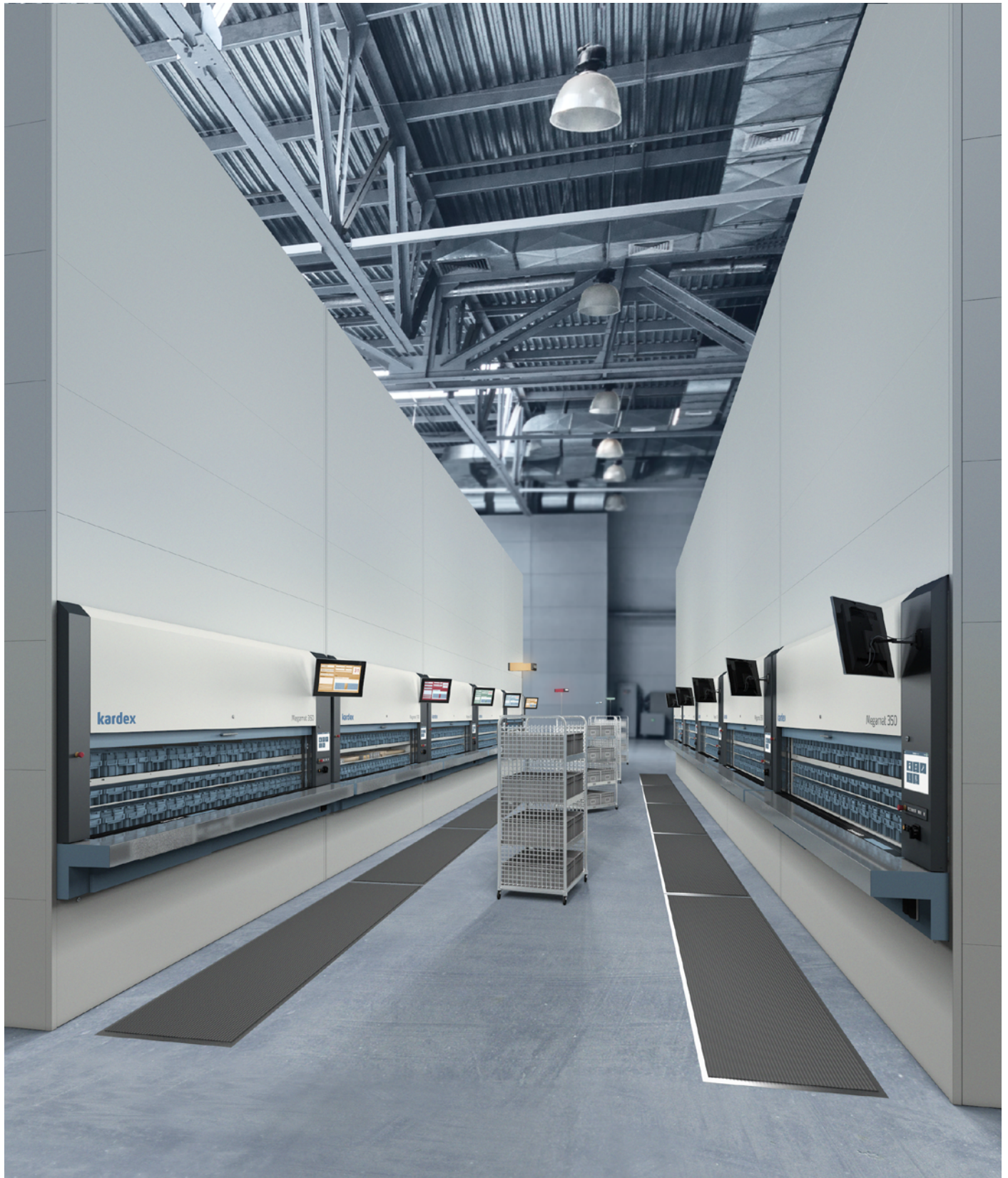

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Kardex Megamat

The Kardex Megamat is a Vertical Carousel Module (VCM) using the paternoster principle to provide quick and precise access to stored goods. This future oriented system, based on the latest technologies, is built with a series of carriers attached in fixed locations to a chain drive. A motor powers the carriers to move in a vertical loop around a track in both forward and reverse directions.

The Kardex Megamat is especially suitable for frequently accessed goods because it conveys the right carrier to the access opening via the shortest possible path. It is the ideal choice when storing products with similar heights. Each unit can be used as a stand-alone solution or connected to a networked system, thereby ensuring the highest level of efficiency and flexibility.

Kardex tailors solutions to meet various industry needs by offering a variety of Kardex Megamat machines. Whether warehouse requirements call for picking small, lightweight parts, storing and retrieving loads up to 1,433 pounds (650 kg), using as an interim storage solution for semi-finish products or as a storage buffer during drying phases, Kardex offers multiple options.

ⓘ **Learn more** in our customer success stories

High **picking performance**

Minimal **footprint**

Ideal for **uniform storage goods**

Application range

Order picking
The Kardex Megamat is the perfect choice when it comes to order picking. It increases throughput, improves picking accuracy and optimizes worker ergonomics. It quickly provides goods at the right time providing up to 400 items per hour. Combined with the Kardex Color Pick System it significantly accelerates order fulfillment by picking multiple orders at the same time.

Spare parts management
Excellent spare parts management requires the efficient use of space, organization and inventory control. Many companies choose the Kardex Megamat to optimize their spare parts management process. It consolidates the inventory into 85% less floor space than traditional shelving and enables organized storage locations. This ensures that spare parts are always available and easy to pick.

SMD handling
Many customers use a Kardex Megamat for their SMD handling. It makes it easy to handle SMD reels and increases the access accuracy rate. In combination with advanced software features it uses the FIFO principle to avoid material aging or partially used SMD reels.

	Kardex Megamat 180	Kardex Megamat 350	Kardex Megamat 650
Width	1,875 – 3,875 mm *74 – 153 in*	1,875 – 4,275 mm *74 – 169 in*	1,975 – 4,275 mm *78 – 169 in*
Height	2,210 – 7,510 mm *88 – 296 in*	2,360 – 10,010 mm *93 – 395 in*	2,360 – 10,010 mm *93 – 395 in*
Depth	1,251; 1,441; 1,631 mm *50; 57; 65 in*	1,271; 1,471; 1,671 mm *51; 58; 66 in*	1,311; 1,511; 1,711 mm *52; 60; 68 in*
Payload	180 kg *396 lbs*	350 kg *771 lbs*	650 kg *1,433 lbs*

Standard technical data, other sizes possible on request

ⓘ **Learn more** about VCMs

Access opening
- Smooth and smart design for ergonomic access
- Multiple access openings possible

Multipurpose, customizable carrier system
- Adaptable & user-friendly to store goods directly or in bins
- Subdivide storage locations using intermediate shelves, drawers or dividers

Personal protection light curtain
- The unit stops operating if the light barrier is activated
- Protects the operator and the inventory

Multi-touch operator panel
- High-resolution multi-touch operator panel
- Intuitive user interface in a tile-shaped design

Software architecture TIC platform
- Modular, future-oriented hardware and software platform
- Interface ILA enables a future-proof and stable connection

Complementary technology

Kardex can install its Kardex Megamat either as a stand-alone solution or integrated into an overall logistics concept. By adding further enhancements or combining it with other technologies, users benefit from higher performance results and see improvements in throughput and accuracy.

Display LED-Navigator
- Improves user guidance
- Provides order information at exactly the right time

Workstation equipment
- Position indicator, confirmation button, RFID reader, sockets & interfaces
- Hardware handshake for robot or conveyor connection

Kardex VCM Box
- Organized storage & full use of space
- Up to 20% higher storage volume than other products

Life Cycle Service
- Holistic, flexible, and modular service portfolio
- Remote support and optional services like smart monitoring, assistance and conferencing or analytics

Further options and storage environments with air conditioning, clean room, fire protection or esd versions are available.

Spare parts management with Kardex Megamats

SMD handling with Kardex Megamats

Smart Intralogistics Solutions

Kardex offers an A-Z product portfolio targeting the niche needs of various industries. Discover innovative offers ranging from everyday handling of bins and pallets or storage in controlled environments to fully-integrated automated storage solutions and material handling systems. From day one, the Life Cycle Service team works hand-in-hand to support your project implementation, maintenance and future plans.

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