

Fastest Growing
AutoStore Partner
in the World

AutoStore | **kardex**

AutoStore
203
Empowered by
kardex

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AutoStore™ empowered by Kardex

High-density cube storage

AutoStore™ empowered by Kardex

As a leading global AutoStore partner, Kardex has delivered over 100 of the fastest and most-space efficient fulfillment solution available. Designed to handle a wide range of small parts across industries, AutoStore helps operations maximize storage density while maintaining industry leading system availability of 99.8% and maximum flexibility.

AutoStore uses autonomous, battery-powered robots operating on an aluminum grid to store and retrieve bins stacked vertically. Robots continuously deliver inventory to ergonomic workstations for picking and replenishment. The modular system design allows seamless expansion without disrupting operations, enabling systems to scale inventory and throughput independently as business demands grow.

Kardex enhances AutoStore with a portfolio of proprietary innovations spanning software, workstation technology, and system maintenance. Together, these solutions streamline workflows, simplify operations, and unlock additional benefits from the system over time.

7x Better
space
utilization

Scalable
and
future-ready

**High-
performance**
order
fulfillment

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Application range

Where AutoStore delivers value

AutoStore powered by Kardex is deployed across a wide range of industries and operational environments – supporting everything from high-volume distribution to production supply.

High-throughput fulfillment

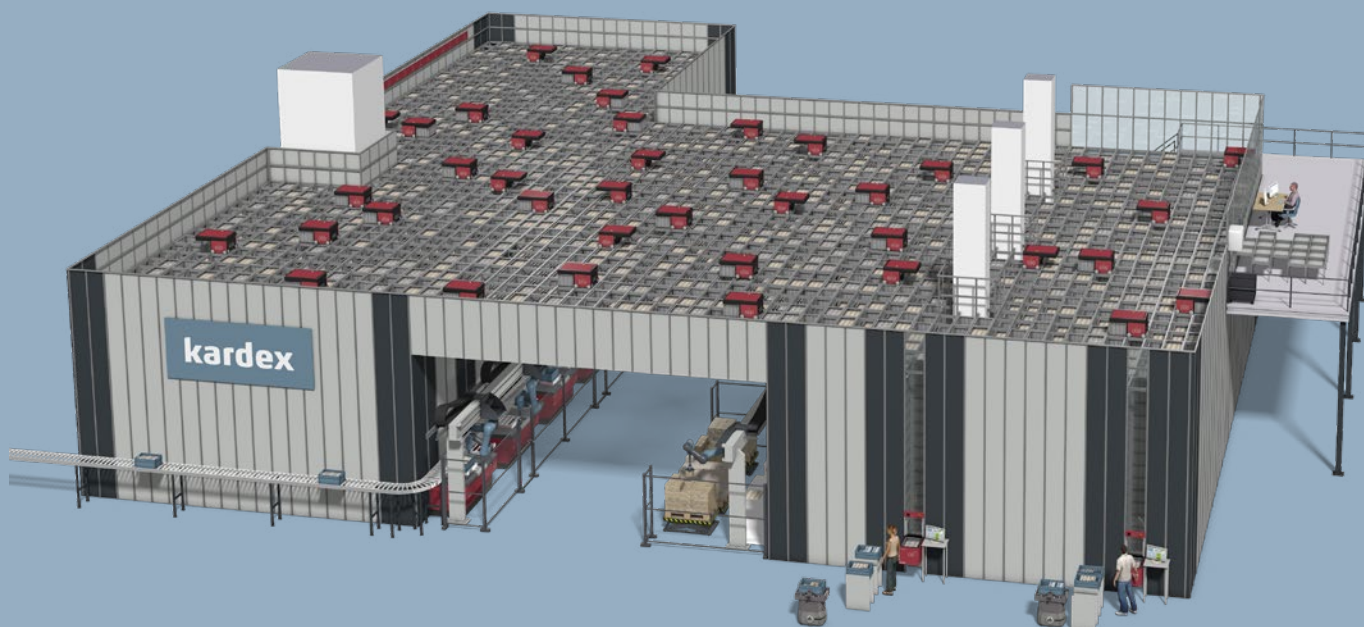
Optimize order picking speed and accuracy for e-commerce, retail, and 3PL operations.

Production and spare parts supply

Ensure reliable, just-in-time access to inventory to keep operations running without disruption.

Flexible deployment environments

From large distribution centers to space-constrained facilities, AutoStore adapts to your footprint and workflow.



Bin dimensions and loads

Outside dimension (l × w)	649 mm × 449 mm 25.6 in × 17.7 in
Inside dimension (l × w)	603 mm × 403 mm 23.7 in × 15.9 in
Max. load capacity	30 kg 66.1 lbs

Bins are available in the following three heights

Outside	425 mm / 330 mm / 220 mm 16.7 in / 13 in / 8.7 in
Inside	404 mm / 312 mm / 202 mm 15.9 in / 12.3 in / 8 in
Max. stack	14 bins / 16 bins / 24 bins



Learn more
about AutoStore

Components



Bins

- Made of either polyethylene (HDPE) or anti-static ESD
- Lengthwise and crosswise bin dividers can maximize capacity



Grid

- Bins are stacked vertically in the grid and retrieved by robots
- Grid can be installed to fit any warehouse size and shape



Robots

- Operate 24/7 regardless of lighting & recharge automatically
- If one robot breaks down, another one takes over its tasks



Ports (workstations)

- Various port options available based on functionality and required throughput – the FusionPort boasts up to 550 bin presentations per hour
- Switch between picking & replenishing at the push of a button



Controller

- Command center, traffic control & database management
- Connects the network to the customer's infrastructure

Complementary technology

Kardex can install AutoStore either as a stand-alone solution or integrated into an overall logistics concept. By pushing warehouse automation to its limits, order fulfillment will see significant cost savings and enhanced performance.



Conveyor technology

- AutoStore ports can be linked directly to conveyor systems
- Smooth transition to sub-systems (e.g., carton erectors & sealers, labelers, palletizers, AGVs and AMRs)



Pick and place robotics

- AutoStore ports can be operated by integrated robots
- Robots work with various processes including pick-to-tote, pick-to-belt, pick-to-pallet, consolidation and replenishment



Software

- Modular and customized software solutions
- Integrate into existing process environments or serve as superior control software



Integrated Kardex Technologies

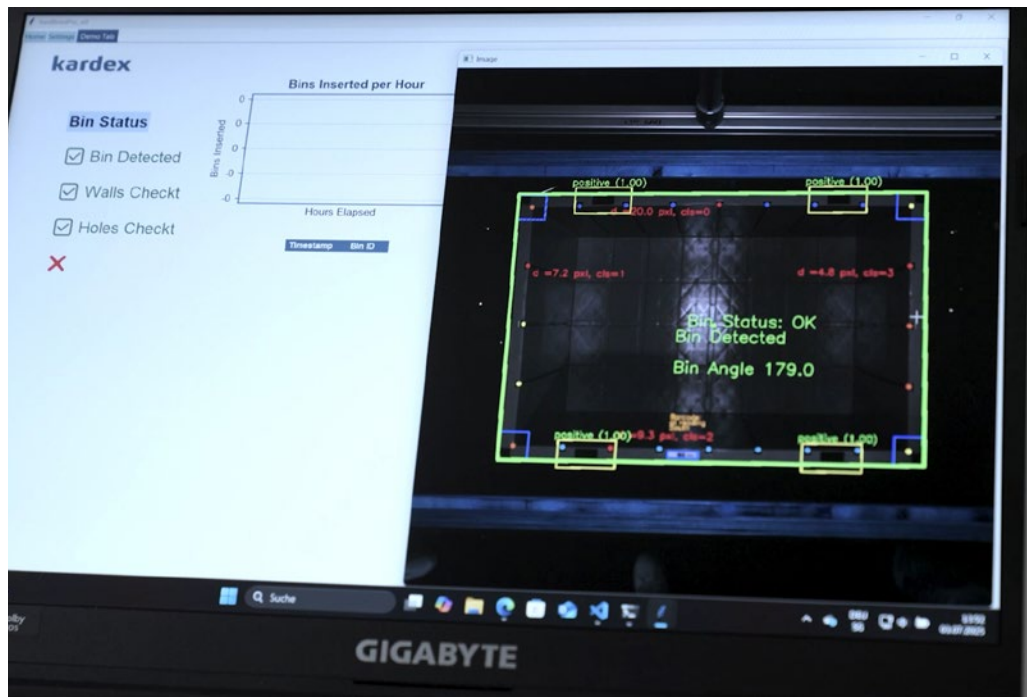
- AutoStore can be integrated with Kardex Remstar Vertical Lift Modules (VLMs) and Vertical Buffer Modules (VBMs)
- Combines high-speed goods-to-person picking with maximum flexibility of SKU assortment
- Enables storage of slower-moving or non-bin-friendly items outside the grid
- Supports a unified solution across multiple storage technologies

Kardex innovations to enhance performance

Kardex innovations are designed to improve real warehouse operations – driving higher throughput, better accuracy, and reduced manual effort across your Auto-Store system.

From picking to maintenance, each solution is built to deliver measurable impact where it matters most: productivity, reliability, and cost.





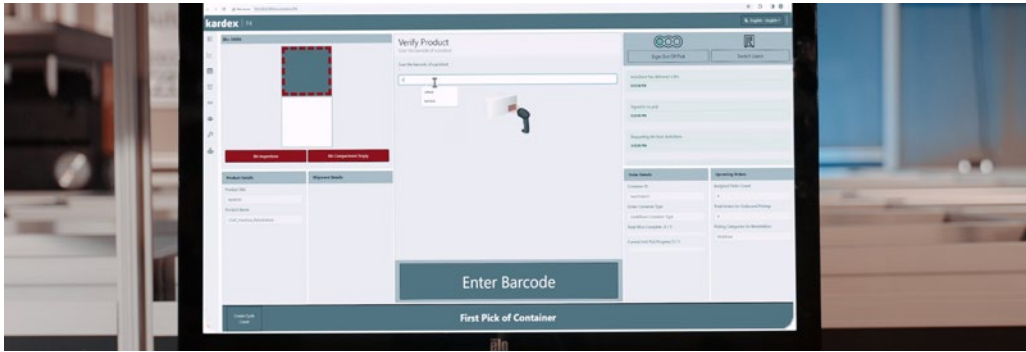
Kardex BinInductAI

Kardex's unique BinInductAI reduces the time to install an AutoStore on-site by up to 30%. By leveraging AI and cameras the system is able to validate the quality of each bin while accelerating the process to save labor and time.

- One-touch bin induction with AI-driven verification
- Eliminates manual scanning and reduces errors
- Validates system reliability with minimal facility impact

Result: Faster induction, reduced labor, and improved accuracy

 [Learn more about Kardex BinInductAI](#)



Kardex FulfillX Software

FulfillX is the orchestration engine behind your AutoStore system – optimizing how robots, inventory, and operators work together.

- Dynamically prioritizes orders and optimizes workflows
- Maximizes robot and operator efficiency
- Integrates seamlessly with existing systems

Result: High throughput, lower operating costs, and scalable performance

 [Learn more about Kardex FulfillX Software](#)



Kardex Intuitive Picking Assistant (IPA)

Picking is one of the most critical – and error-prone – steps in fulfillment. IPA guides operators visually and validates every action in real time.

- Highlights the exact pick location directly at the workstation
- Detects and confirms operator actions instantly
- Improves performance and significantly reduces errors

Result: Faster picks, fewer errors, and consistent operator performance

 [Learn more about the IPA](#)



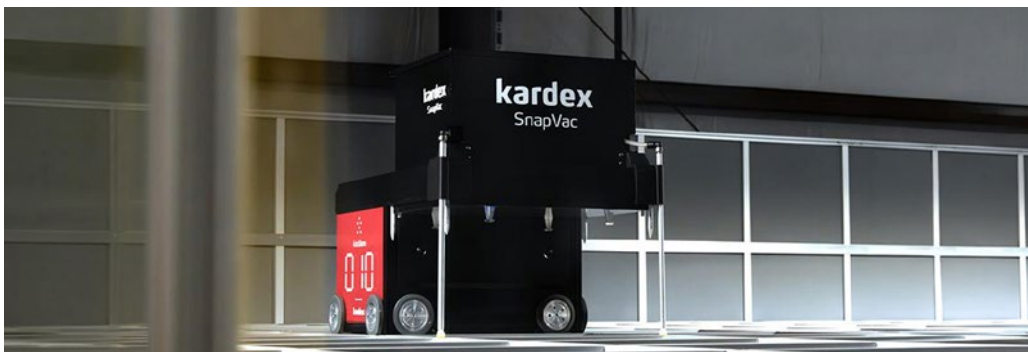
Kardex SensorCleaningStation

Dust and debris can impact robot performance over time. This automated solution ensures consistent sensor performance without manual intervention.

- Automatically cleans robot sensors in seconds
- Reduces maintenance effort and prevents performance issues

Result: Increased uptime and reduced maintenance requirements

[Learn more about the Kardex SensorCleaningStation](#)



Kardex SnapVac

Keeping the grid clean is essential – but traditional methods require downtime. SnapVac automates this process during live operation.

- Removes dust and debris without interrupting operations
- Improves robot reliability and system availability
- Reduces manual cleaning and enhances workplace safety

Result: Higher uptime and reduced maintenance labor

[Learn more about Kardex SnapVac](#)



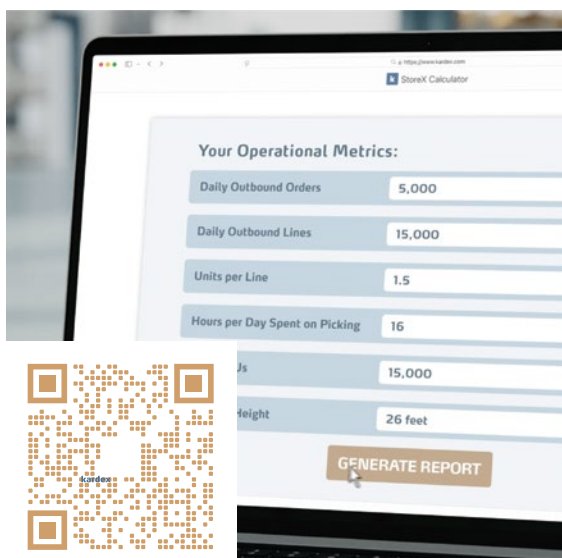
Kardex PortScale

PortScale introduces integrated weighing technology at the workstation, enabling real-time validation of every pick and putaway.

- Confirms quantities through real-time weight detection
- Enables real-time item counting and improves inventory accuracy
- Reduces errors and supports loss prevention

Result: Greater accuracy, improved traceability, and higher confidence in inventory data

 [Learn more about Kardex PortScale](#)



Curious about how AutoStore can work for your business?

Calculate your ideal AutoStore system and ROI with StoreX; our quick assessment tool.

- Find out what's your system size, cost, and expected ROI.
- **Scan or click the QR-Code** to access the AutoStore cost calculator.
- **Bonus:** Compare different configurations to see what fits your needs best.

Proven experience and expertise in AutoStore solutions worldwide

Since 2021, AutoStore empowered by Kardex has delivered:

- ✓ 130+ projects
- ✓ 4,000+ robots
- ✓ In 23 countries globally

Choosing the right partner for your AutoStore system is more than just technology – it's about collaborating with an experienced team that understands your operational challenges to help you **achieve real efficiency gains**, from design to deployment and life cycle support.

Trusted by industry leaders worldwide

