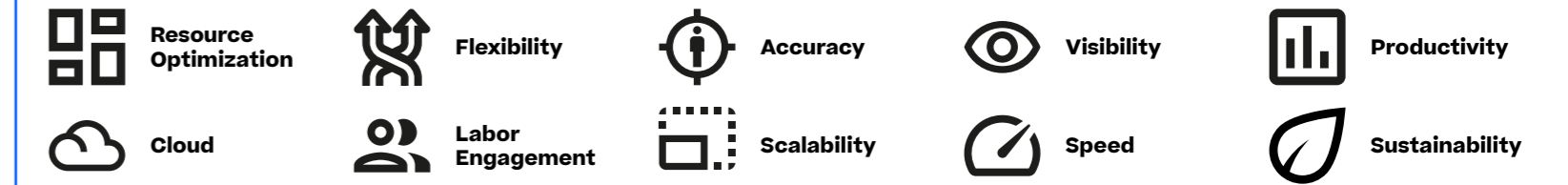# Körber Supply Chain Software Portfolio

Rising to the challenge

Supply chains are becoming increasingly complex, due to the rise of unexpected events, higher consumer expectations, and more products, suppliers, and channels. All these things make disruptions more likely. Although supply chains are becoming more digital to tackle these challenges, they sometimes remain fragmented.

At Körber, we can deliver a holistic approach integrating software, automation, voice, robotics, and expertise to tie it all together. We are more than a vendor: **we are your partner – here to help you conquer supply chain complexity.**

Benefits

- Resource Optimization
- Flexibility
- Accuracy
- Visibility
- Productivity
- Cloud
- Labor Engagement
- Scalability
- Speed
- Sustainability

Körber One

Order Management System (OMS) & Commerce Platform

Our OMS is the heart of our unified commerce platform, empowering brands and retailers to create frictionless and unforgettable customer experiences.

The microservices-based, API-first OMS connects front-end and back-end systems, optimizing the entire order lifecycle, reducing fulfillment costs, and empowering associates to truly delight customers.

Capabilities include:

- Enterprise-wide inventory visibility
- Omnichannel fulfillment (BOPIS, curbside, etc.)
- Order orchestration & distributed order management (DOM)
- Customer care portal
- Integration platform as a service (iPaaS) with prebuilt integrations and connectors
- Loosely coupled modules: POS/mPOS, PIM, dropshipping, track and trace, and more.

Warehouse Design and Simulation

With Körber's warehouse design software, you can easily test changes in the warehouse using a digital model, without devoting time and resources to making those changes in the real world.

The intuitive system requires minimal data input on your part, and will quickly highlight the areas of your warehouse that urgently need your attention.

Capabilities include:

User-guided processes for creating/recreating your warehouse, covering

- Layout
- Manpower
- Equipment
- Storage systems
- Workstations

Review any changes to see how they would impact your operation.

These changes can include:

- Adding technologies like AMR or voice
- Changing the location or number of truck bays
- Increasing the number of orders processed etc.

We also offer warehouse design consulting services to build and interpret the model.

Warehouse Management Systems (WMS)

We offer a highly flexible portfolio of WMS solutions, backed by a deep understanding of supply chain processes and customer needs.

Our solutions can be adapted to the size and complexity of a customer's warehouse, and tailored to their exact business requirements – from small operations to large, highly-automated distribution centers.

Capabilities include:

- Integrated resource and labor management
- Differentiated inventory management
- Order and wave management
- Advanced shipping management and staging
- Built-in returns management
- Add-on software modules for incremental functionality
- Cloud or on-premises deployment

99% customer retention rate

+1k customer base across the Americas, Europe and Asia

50% increase in warehouse productivity

55% of all WMS deployments will involve a cloud-based WMS by 2025

Warehouse Control Systems (WCS)

Our WCS is vendor-agnostic and supports all material handling technologies. This creates a single point of data and communication among material handling equipment (MHE), WCS and WMS, and provides centralized control and management.

It also ensures continued material flow if individual devices fail.

Capabilities include:

- Management of all common vendors
- End-to-end visibility of the automation chain
- Support for all common workflows
- Constraint-based algorithms, enabling dynamic optimization strategies
- Offline emulation mode to simulate automation scenarios
- Database-driven architecture, enabling easy scalability
- Intuitive dashboards to visualize data and provide actionable insights

Unified Control System (UCS)

Our UCS provides a single point of management and control for mixed portfolios of automation equipment in people-powered environments. It supports different technologies (and their vendors), including:

- Autonomous mobile robots (AMR)
- People-driven technologies
- Automation and material handling equipment (MHE)

Capabilities include:

- Workflow planning, orchestration and execution
- Native integration of AMR and MHE with built-in RCS and WCS
- Embedded decision support to optimize end-to-end material flow
- Analytics and simulation capabilities to drive process improvements
- Centralized tracing of bottlenecks and issues to raise uptime and productivity
- User-friendly visualization of technologies and material flow across the warehou

Voice-Directed Work

Our industry-leading voice-directed systems empower warehouse staff to complete tasks in a more ergonomic, accurate and efficient way. They improve safety in busy warehouses by allowing workers to keep their hands and eyes free, keeping them focused on the task. Additionally, voice makes training easy, helping workers get up to speed quickly.

Capabilities include:

- Workflow support, including order selection, put-away, replenishment and cycle counting within the warehouse, and many others
- Optimization of business efficiency to reengineer and improve processes
- Advanced ergonomic capabilities to make life easier, safer and significantly more productive for warehouse workers and preventative maintenance technicians
- Hand- and eyes-free movement, with instructions given through a headset, allowing pickers to work quickly and efficiently, and increasing productivity and accuracy

Autonomous Mobile Robots (AMR)

AMRs can improve efficiency in supply chain operations of all sizes, compared to manual operations or a traditionally automated environment. They can take on many manual activities, supporting the warehouse through labor shortages related to high turnover rates.

Our AMR solutions offer advantages for efficiency, growth, accuracy, and speed.

Capabilities include:

- Put-away and replenishment
- Bulk material movement
- Components shuttling
- Goods-to-person
- Piece picking
- Sortation

70% of warehouses notice high improvement in KPIs

99.8% accuracy in picking, movement and sorting

200 Increased productivity, with AMRs moving up to 200 lines hourly (compared to 30 with manual labor)

Transportation Spend Optimization (TSO)

Our TSO solution is a technology-enabled service that helps reduce total transportation spend, improve on-time delivery performance, and enhance the overall transportation spend management process.

It powers our freight audit and payment cloud-based software transforms data into actionable intelligence, and optimizes and improves complex supply chain operations across all modes of transportation, across the globe, in any currency or language.

Capabilities include:

- Global freight audit and payment (FAP)
- Invoice audit and financial automation
- Carrier payment solutions
- Sustainability and carbon emissions analytics
- Contract negotiation and benchmarking
- Real-time track and trace
- Actionable business intelligence