

CARRYPICK®

FLEXIBLE & SCALABLE
SOLUTION FOR WAREHOUSE
FULFILLMENT

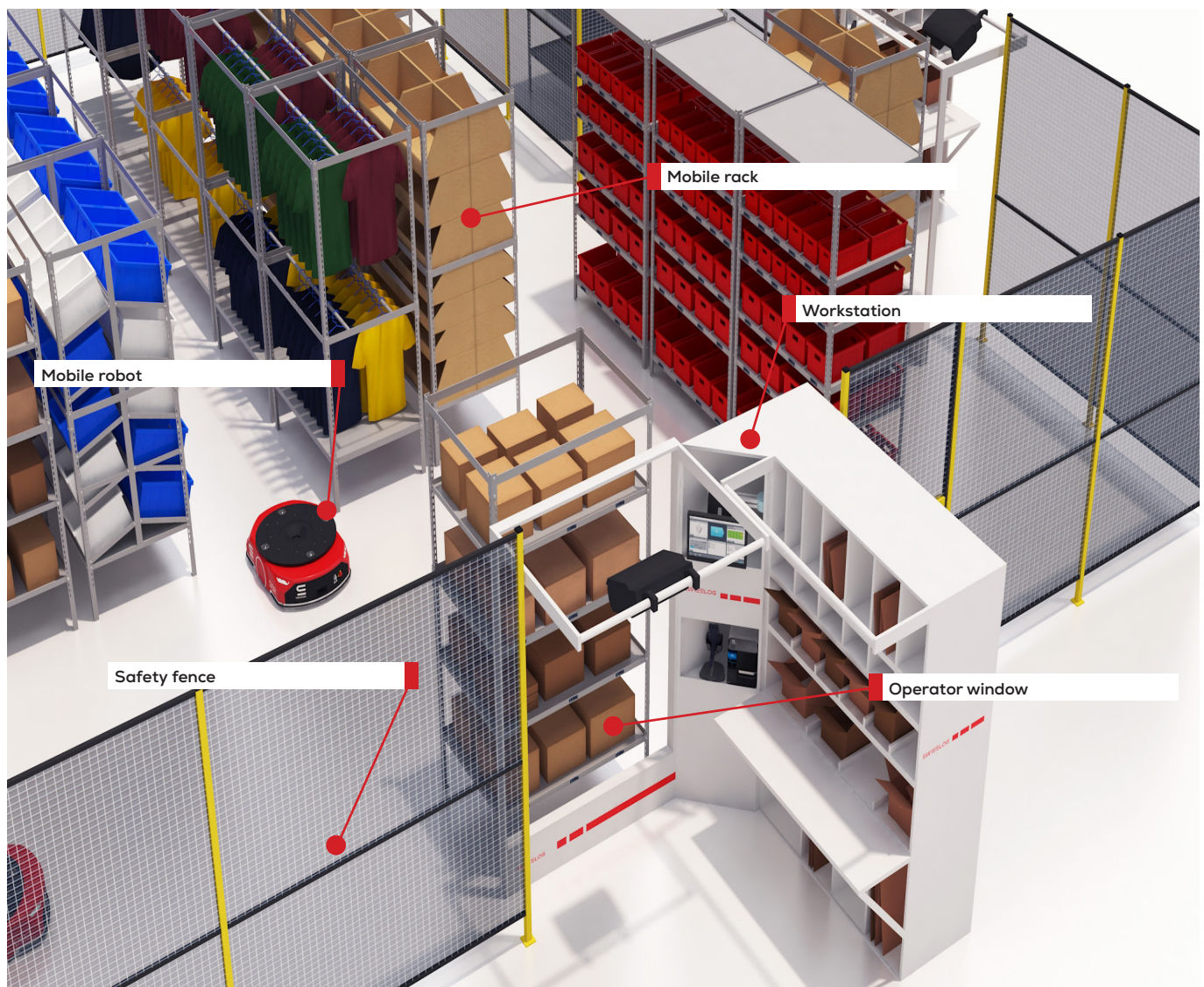


A Sophisticated System with Fast Deployment

No grids, no lifts and no conveyors are needed

The CarryPick system consists of mobile robots, mobile racks, and workstations managed by Swisslog's SynQ software to deliver the highest level of intelligent operation and efficiency. CarryPick realizes Goods-to-Person picking, put-away, and inventory storage using advanced mobile robots to supply workstations with mobile

racks. Swisslog CarryPick systems uses state of the art engineering to meet all common safety standards and ensure high availability and reliable operations. The CarryPick system can be applied to a wide range of applications including e-commerce, retail, third-party logistics, fashion, and grocery.



Mobile Robots

- KMP600i payload up to 600 kg (1,322 lbs) and KMP1500i payload up to 1,500 kg (3,307 lbs).
- Advanced battery management with an 8-hour run time and a 90-minute recharge.
- Designed for performance, durability, and maintainability.

Workstations

- Multi-functional workstations for picking, replenishment & returns handling
- Customizable
- Intuitive operator interface

Mobile Racks

- Complete flexibility for storing a wide range of goods including large and small items, cases, cartons, pallets, and hangers
- Easily adapted for changing inventories.

Software

- Fully integrated in Swisslog's SynQ software suite
- Complete integrated solution of controls, WMS & fleet management

The Next Generation

The CarryPick robotic goods-to-person solution

Globalization and increased customer demand for wide product ranges and timely delivery are redefining competitiveness and services such as same-day delivery and in-store pick-up are becoming standard. These trends are forcing companies to improve the efficiency of their warehousing because the sheer volume and mix of orders puts them under increasing pressure to deliver efficiently in the shortest possible time.

The problem for many companies is that their traditional rigid warehousing strategies no longer work well enough.

Flexible and data-driven automation is the only way to maintain market positioning and gain competitive advantage.

CarryPick is the answer to solving fast-changing market demands. It's the perfect solution for 21st century business challenges including labor shortages, changing product mixes and volumes, and achieving faster delivery times.

CarryPick offers a short ROI and increases warehousing performance while also reducing operational costs and a CarryPick solution can be seamlessly integrated into logistics operations in just a few months.



Key Benefits

Compared to conventional logistics systems



Flexible

- Quickly adapts to changing product line changes.
- System components can be reconfigured and reused.
- Customizable workstation design.



Modular

- Rapid deployment (less than six months).
- Eliminates logistics complexity.
- Easy to integrate into existing buildings with mezzanines and low ceilings.



Scalable

- Seamless scaling to handle variable peak periods.
- Simple addition and removal of mobile robots and racks.
- Mobile robots can be rented.



Smart & Efficient

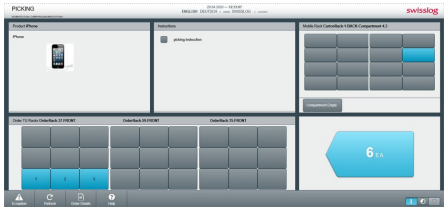
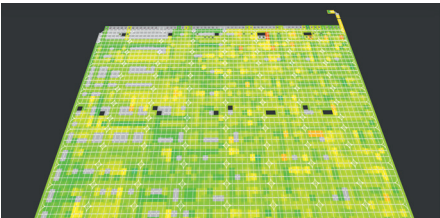
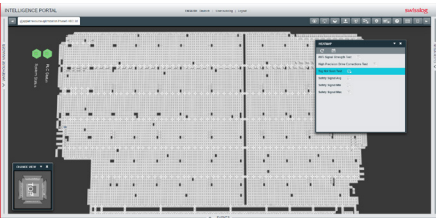
- Intuitive user interface for fast operator onboarding.
- Smart order management.
- Extensive data analytics and a KPI dashboard.

Powered by the SynQ

Optimize your warehouse with full operational visibility

CarryPick is controlled by Swisslog's SynQ software, the brain of the system that brings everything to life, providing end-to-end warehouse management and optimized material flow. CarryPick supports all customer business processes for picking, putaway, returns handling, and inventory control.

For customers with an existing Warehouse Management System, SynQ also offers a light version that connects the fleet management to the customer's WMS. Where customers require specific custom processes our local software development team has decades of experience in delivering custom solutions.



Smart Algorithms

Swisslog's CarryPick fleet management system, CarryManager, delivers dynamic route planning to find the optimum path to pickstations and avoids deadlock situations.

Make the Right Decisions with the Right KPIs

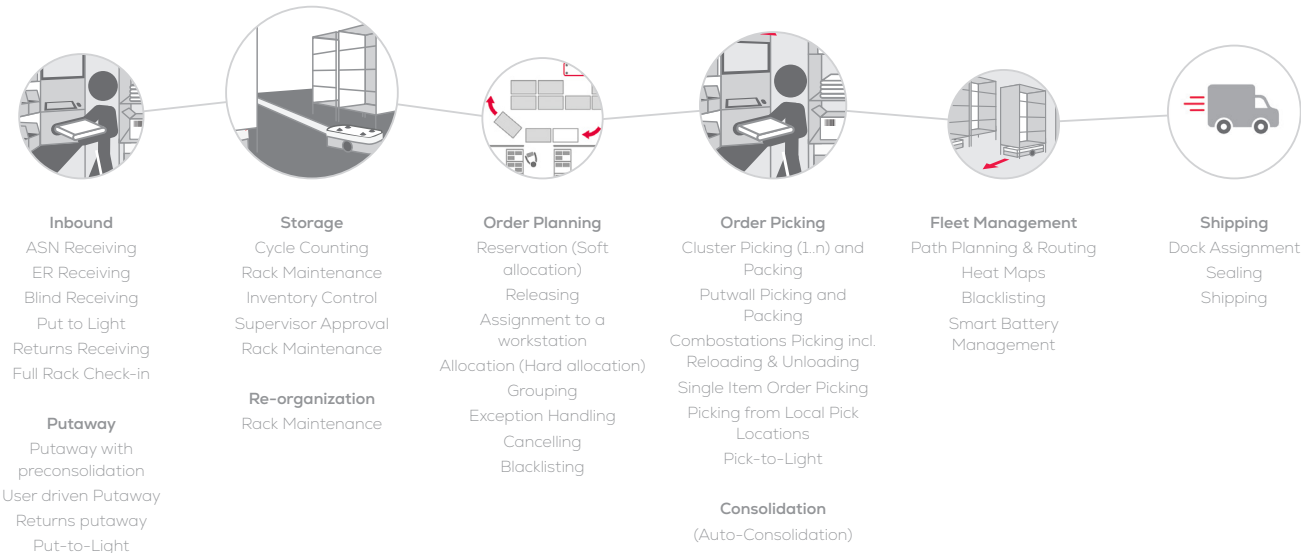
Monitor and control your warehouse with full operational visibility through real time KPI tracking and visualizations including heat maps.

Intuitive User Interface

SynQ comes with simple user interfaces for all warehouse operations. The task-centric design speeds up onboarding for new staff and increases the picking performance at the workstations.

SynQ Supported Processes

Starting package for fast implementation



Maximum Performance

Delivering next generation automated warehousing

CarryPick's sophisticated design, high quality engineering, and professional solution implementation delivers a short ROI and a low total cost of ownership.

With operations in over 50 countries around the world, Swisslog provides support services wherever you're based. We make sure your warehouse operates at maximum efficiency so you can concentrate on your core business.

Whether you need 24/7 technical support, preventative maintenance, system optimization, spare parts management, or training for your employees, we make sure your warehouse is futureproof.



Our references

Happy customers worldwide



FREUDENBERG
SEALING TECHNOLOGIES

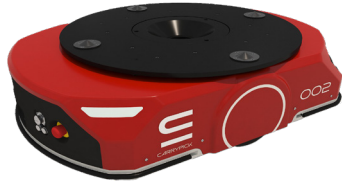


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Technical Details

What you need to know



MOBILE ROBOT

SIZE AND WEIGHT

Dimensions (LxWxH)	980 x 686 x 256 mm (38 x 27 x 10 in.)
Weight	148 kg (326 lbs)
Payload capacity	600 kg (1,322 lbs)

PERFORMANCE

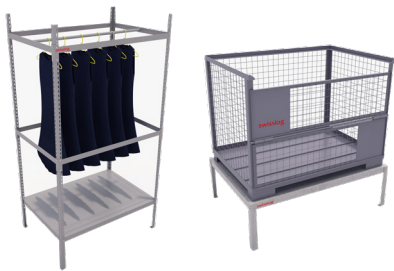
Speed (unloaded)	max. 2.3 m/s (7.6 ft/sec)
Speed (loaded)	max. 1.5 m/s (4.9 ft/sec)
Navigation	Floor data matrix

BATTERY

Technology	Lithium Iron Phosphate (LPF)
Charging	Auto or Manual

SAFETY & ENVIRONMENT

Obstacle detection	Front LiDAR and all-around contact strips
Operating temperature	0° to 45 °C (32° to 113 °F)
Air humidity	maximum 93 %



MOBILE RACKS

RACK TYPE	RECTANGULAR	SQUARE
Dimensions	1,300 x 900 (51 x 35 in.)	1,300 x 1,300 (51 x 51 in.)
Configuration	Adaptable to your inventory - items, cases, cartons, pallets and hangers	

Why Swisslog is your first choice

Proven benefits



Demonstrated Efficiency

CarryPick is proven to improve warehousing efficiency and tested and approved by our customers worldwide.



Decreased Downtime

Combined with Swisslog's years of logistics expertise, CarryPick's highest quality components guarantee a reliable solution with maximum uptime.



Ready for Future Growth

CarryPick can integrate with your entire supply chain, connecting seamlessly to other logistics technologies allowing you to automate as you grow.



Smart Local Support

Swisslog, a global company, has experts based around the world to ensure service and support when and where you need them.