

CARRYPICK

FLEXIBLE & MODULAR ; THE NEW APPROACH TO STORING AND PICKING A LARGE VARIETY OF ITEMS



Goods-to-person picking

CarryPick's automated guided vehicles continuously supply workstations with mobile racks for use in a variety of industries. In contrast to other systems, CarryPick is extremely flexible and responds rapidly to the changing customer needs and demands. It is perfect for those whose business challenges include product variability, delivery time and cost efficiency. This flexible new approach to automation supports different sizes and weights of products, provides the ability to add racks and vehicles quickly as storage volume increases and enables equipment to be easily moved from one warehouse or storage location to another. Plus, it's easy to retrofit CarryPick into existing buildings with low ceiling heights.

Efficient storage

CarryPick supports storage in cartons, bins or single items and can easily handle garment on hanger. With its integrated controls software called Resource Optimizer, mobile vehicles lift and transport shelving on an optimized route to workstations. At each ergonomic workstation, customer-specific processes are integrated using both pick-by-light and put-to-light techniques. Users enjoy increased productivity and maximized pick quality. CarryPick allows perfect alignment and constant optimization of all components by one dedicated team of experts from Swisslog.

BENEFITS

Adapts to changing customer requirements

CarryPick can be used in any location and quickly adapts to changes in condition. It can be adapted to any possible warehouse layout and a broad spectrum of different SKUs.

Reduced investment risk

Start small, grow fast. Reduce your investment risk with flexible financing models.

Easy extension, implementation and training

The system can be extended by adding additional vehicles and racks. Project implementation and employee training can be completed within six months.

Hassle-free customer experience

Highest reliability and up-time for customers through full integration. Global service support available 24/7 along with continuous improvement.

EASILY ADAPTABLE AND SCALABLE TO MEET CHANGING DEMANDS

DESIGN & RANGE



Highest performance

Highest performance and reliability through full integration from the vehicle to the system software.

Modular design

The modular design allows customers to start out with a basic version that consists of a limited number of components. As the company grows and higher picking rate /throughput is needed, workstations and vehicles can be added without a long planning/extension process.

Ease of integration and low energy costs

CarryPick can easily integrate into existing structures. The storage space does not need to be lit, ventilated or heated, which results in remarkable energy savings in the entire storage area.

COMPONENTS | VEHICLES & RACKS



KMP600

The vehicle processes orders independently within the system. Because of its small size, it can move quickly between and under racks. The vehicle is able to lift goods with a weight of up to 600 kg. The mechatronics make the AGV quiet, energy efficient and enable a more ergonomic workspace. The AGV has a strong wifi connection and due to less weight, it offers a longer battery life.

Mobile racks

Each mobile rack within the CarryPick system can be variable. Only the chassis, whose dimensions are based on the Euro pallet size, is standardized. Depending on the requirements, the rack can be equipped with bottom inserts, compartments, drawers, bins or hanging bars for garment on hanger.

COMPONENTS | WORKSTATIONS & WMS



Multi-functional workstations

The workstations are used for picking, to put away replenished items or to restock returns. A variety of tools, such as put-to-light, support effective and error-free workflows to boost employee productivity and ergonomics. Because the workstations are intuitive to use, employees are able to work efficiently after only a brief training period.

SynQ Warehouse Management System

CarryPick is controlled by our SynQ Warehouse Management Software. SynQ offers a reduced number of interfaces between different systems, achieving an optimal alignment and reduction of instance of errors. SynQ performs a continuous physical inventory of the stock in order to check and safeguard delivery reliability. At the same time, SynQ stores fast-moving items closer to the workstations while slower-moving items are placed in the back of the warehouse. The software offers advanced visualization options as well as data analysis for ongoing optimization.

Resource Optimizer

The Resource Optimizer is the control center software for the vehicles and coordinates their interactions. Dynamic route planning and integrated power management make it possible to optimize order handling. A WiFi network is used for communication with the robots.

FACTS

Mobile racks – dimensions (L x W x H)	1,300 mm x 900 mm x 2,500 mm
Mobile racks – types	Cartons, hanging goods, returns
Vehicle load capacity	max. 600 kg
Vehicle power supply	inductive, charging mats
Room height – building	min. 3 m