



# AUTOMATED STORAGE

**MAXIMUM PERFORMANCE  
IN MINIMUM SPACE**



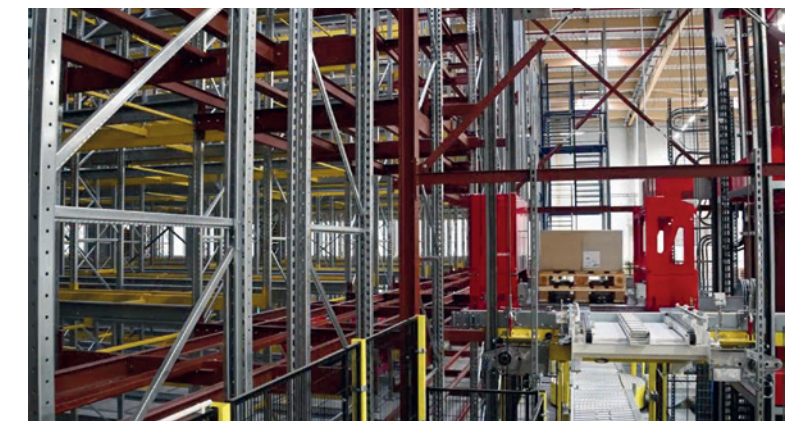


## AUTOMATED STORAGE TAKE A FRESH LOOK AT YOUR STOCK

In an environment that requires operations to be carried out more rapidly and more orders to be produced in a limited space, automated storage has become the most effective solution for increasing competitiveness.

Storage of your logistics units is the crucial aspect, which affects the downstream responsiveness of your picking and shipping processes. The efficiency of automated storage and the use of appropriate technology for your situation, and your needs, determine the speed at which products are made available to your teams, with a direct impact on your level of service.

SAVOYE offers a comprehensive range of automated storage technologies, for both light and heavy loads, with single, double, and multiple depths, for adapting to all types of stock.



## THE BENEFITS OF AUTOMATED STORAGE

### 01

#### Optimize the available space

Use the full height of your building and reduce traffic areas

### 02

#### Take the next step

Join the leaders in your sector by switching to goods-to-person and goods-to-robot processes

### 03

#### Boost your efficiency

Products and parcels available quickly and rapidly stowed

## USES



#### PICKING STORAGE

For continuously supplying your goods-to-person stations with the products to be picked



#### BIN AND FINALIZED PARCEL BUFFER

For supplying your manual stations and robots in accordance with the palletization plans



#### PALLET BUFFER

For sequenced supply to shipping docks based on carrier departures



#### RESERVE STORAGE

For stowing your pallets on receipt and replenishing your picking areas

# X-PTS



## HIGH-PERFORMANCE SHUTTLES FOR LIGHT LOADS

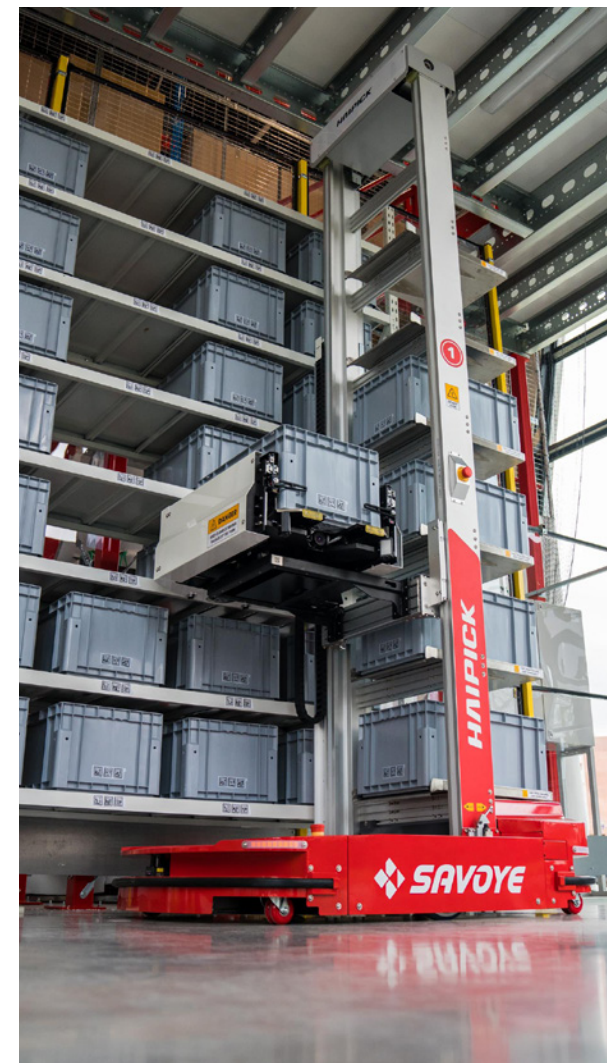
X-PTS enables your picking and palletization stations to be supplied with bins, trays, and boxes at very high throughputs.

### THE ADVANTAGES OF THE X-PTS SHUTTLE SYSTEM

- Flexibility**  
 With its all-terrain shuttles, the X-PTS solution is designed to operate at ambient temperature, in chilled and negative cold environments, down to -28°C. Its fixed or variable width grippers enable boxes and trays to be picked up and put down, allowing them to be stored together on the same level.
- Performance**  
 The elevator is the key component guaranteeing your system's performance. Based on the dual cradle concept created and patented by SAVOYE, the elevators pick up and put down four containers per cycle, ensuring continuous optimization of inputs and outputs stock flows.
- Great height**  
 With a potential height of up to 20 meters, take advantage of the full size of your warehouse by installing as many storage levels as possible. You can also stack the picking stations on two or more levels, served directly by the elevators. This means that the minimum surface area is used: your picking area will be smaller than ever.
- Density**  
 With its ability to handle load sizes from 10.4"x10.4" (265x265mm) to 32.3"x24.4" (820x620mm), the X-PTS system comes in a number of possible configurations. With the ability to store two containers equivalent to 23.6"x15.7" (600x400mm) in the same depth, and four 15.7"x11.8" (400x300mm) compartmentalizable containers, you minimize the space occupied whatever the volume of your items.
- High availability**  
 The maintenance access zones are isolated and secure. In the event of maintenance, only shuttles from the same area are temporarily stopped, while the rest of the system continues to operate normally.

# HAIPICK

BY SAVOYE



## FLEXIBLE BIN HANDLING ROBOTS

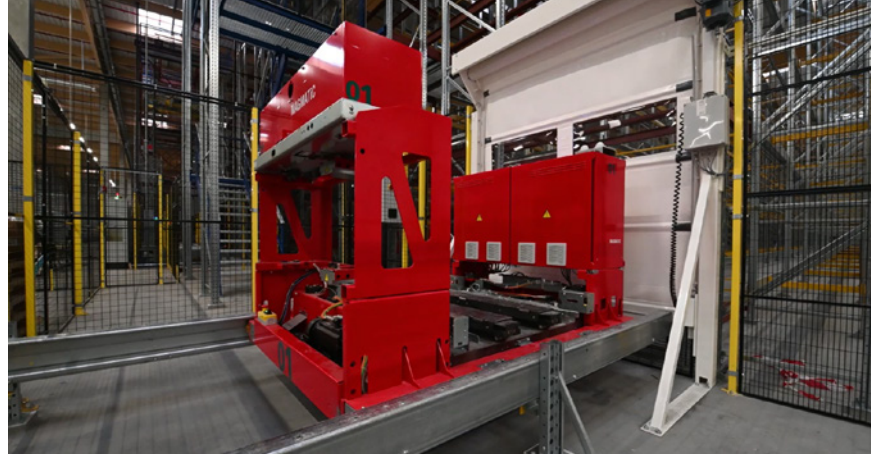
HAIPICK by SAVOYE is a simple, quick to install goods-to-person solution based on HAI ROBOTICS Autonomous Case-handling Robots (ACR).

It is scalable and modular, and is ideal for companies wishing to take their first step toward robotizing their picking process.

### THE ADVANTAGES OF HAIPICK

- Efficiency**  
 HAIPICK robots perform all the operations between the workstations and the shelves where products are stored. Picking, placing, transportation: the robots' routes are optimized to favor the shortest path and to group pick and place operations occurring in close proximity, all while minimizing energy consumption.
- Adaptability**  
 Configure the system to suit your situation: height of up to 16.4 ft (5.6 m), single or double depth storage of 23.6"x15.7" (600x400 mm) containers, handling of bins or boxes, compartmentalizable bins. You define your system's dimensions according to the available area, with complete freedom as regards the geometry of its footprint.
- Scalability**  
 HAIPICK evolves as your production requirements increase. You can easily add robots to increase your flow and shelving to expand your product offering. With minimal disruption to your system's operation!
- Productivity**  
 HAIPICK robots can take up to eight simultaneous loads per cycle, which allows them to complete the greatest possible number of pick and place operations per trip through the warehouse.
- Speed**  
 With easy-to-assemble shelving and robots that are easily configured, systems can be installed on site in less than five weeks.

# MAGMATIC



## THE ADVANTAGES OF MAGMATIC



**Compact**  
Extremely compact storage



**Space saving**  
Reduces the space needed in the shipping area before loading onto trailers



**Flexibility**  
Scalability in line with anticipated throughput

## FLEXIBLE AND COMPACT PALLET STORAGE SOLUTION

With the MAGMATIC automatic pallet storage solution, your pallet storage arrangements will be more flexible and compact. As it is so compact, this bidirectional shuttle system can easily operate in tight spaces. Whatever the configuration of your new or existing building, MAGMATIC can adapt to your activity, including more specific flows, such as production.

## REFRIGERATED WAREHOUSES

MAGMATIC bidirectional vehicles are lightweight, so they consume very little energy in the warehouse. Ideally suited to handling frozen food products in a temperature controlled facility (-18°F / -28°C), they are the most economical solution for compact storage.

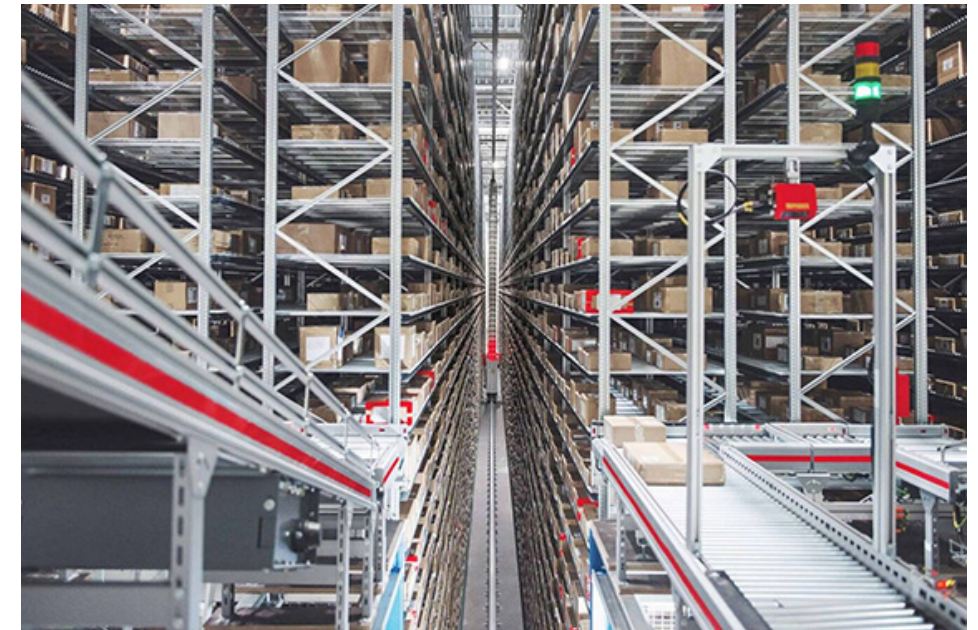
## PRODUCTION WAREHOUSES

Thanks to the MAGMATIC system, you only need a few conveyors to easily serve all sides of a building. MAGMATIC vehicles can leave the warehouse to go to a workstation or order picking station.

# ASRS

## STACKER CRANES AND MINILOAD CRANES

SAVOYE incorporates a complete range of stacker cranes and miniload cranes in single, double, and multiple depths, equipped with single or double grippers.



# PALLET SHUTTLE

## MULTI-DEPTH SHUTTLES FOR PALLETS

These omnidirectional shuttle systems are particularly suitable for contexts where there are many pallets per product line, allowing high storage density.





### ADVANCED TECHNOLOGIES

- Automated picking
- Automated storage
- Automated packaging
- Micro-fulfillment centers

### ADVANCED SOFTWARE

- Warehouse Management System
- Transportation Management System
- Order Management System
- Warehouse Control System