



# ***LOGIMATE***



A MEMBER OF THE KRONES GROUP





# Picking solutions



## LogiMate

For almost half a century at System Logistics we have been planning the future of logistics and intralogistics.

We strongly believe that research and development are at the center of our work and allow us to respond to the needs of customers who are increasingly attentive to technology and in need of real performance improvements.

Our thinking out of the box motivates us every day to give more and more and to seek what can make a difference, sometimes even just a detail.









# LOGIMATE

A breakthrough solution



We move it  
as it is



Enhanced  
load  
capability



Higher  
storage  
density



Embedded  
sequencing



Energy  
efficiency



# LOGIMATE

We move it as it is



LogiMate solution is the new entry in the AS/RS family systems designed and produced by **System Logistics**

This solution offers a **wide range** of **high-density**, **multi-deep** options, for long-term storage as well as sequencing buffers for high-speed order-fulfilment applications

LogiMate uses a breakthrough solution based on the patented **3-Elements hooking units** for improved contact area and handling stability of unstable and deformable goods with no supporting media



# LOGIMATE

Enhanced load capability



Sequential twin load capability for vehicle **job optimization** up to 610 x 410 mm

Enhanced maximum payload for **heavy merchandise**  
2x50 Kg or 1x100 Kg

Wide dimensional range for **higher flexibility**  
from 150\*100 mm to 880\*650 mm

LogiMate also offers consistent operation in a variety of **extreme environments**, including **chilled** and **deep-freeze**





# LOGIMATE

Higher storage density



LogiMate offers flexible **multi-deep** storage with goods compacting up to 8-deep, based on dimensions

Standard 600x400 mm totes are stored in 3-deep arrangement for **higher storage density**

**Modular design** allows for any rack height option up to over 20 meters, based on requirements



# LOGIMATE

## Embedded sequencing

Thanks to the **unique three-dimensional configuration**, the system offers the possibility of **integrating the elevators** inside the shelf profile and **distributing** them **longitudinally**, releasing the number of elevators from the blocks of shuttles



LogiMate allows **great flexibility** in the layout design of complex systems, ensuring the overcoming of the performance limits and the sequencing capacity of the other systems on the market

The **flexibility** that results from the **modularity** of our system **responds to every needs** for spaces and intralogistics





# LOGIMATE

## Embedded sequencing

LogiMate allows the **perfect and balanced sequencing** of the output products without the aid of complex external systems, **rationalizing and simplifying** material handling and reducing the overall dimensions of the solution



LogiMate overcomes the traditional bottlenecks of shuttle systems, **increasing exponentially the redundancy** and the possibility of **developing the performance**, maximizing at the same time the efficiency of the individual used elements



# LOGIMATE

## “Green” Energy efficiency and Load-Adaptive features

The LogiMate system was designed with great attention to energy consumption and environment

The decision not to use batteries derives from the need to reduce the CO2 footprint over the entire life of the system and increase energy efficiency

The energy efficiency is the result of the combination of three main elements: the use of Super Capacitors on elevators, the braking energy recovery, both on the vehicle and on the ground, and the automatic adaptation of dynamics according to the load





# LOGIMATE

“Green” Energy efficiency and Load-Adaptive features

The possibility of carrying **two load units** on the shuttle for each mission allows to a **reduction in the journey**

With a much lower number of devices, this system allows to obtain the **same performance** as other narrow sequencing systems

The **footprint** involved is **lower**, thanks to the **saving of square meters** of installation







# LOGIMATE

## MOPS & Each Picking

LogiMate Solutions can support a **wide range of Picking and Order Fulfillment Activities**, from the most advanced automated case-picking applications (MOPS – Modular Order Picking System) to the most efficient Unit-Picking solutions based on the use of ergonomic GTP (Goods-to-person) stations.

**MOPS solutions**, empowered by the well-renown System Logistics Best-Fit Software for the creation of perfectly-built mixed order pallets, are specifically designed for working natively with an **extensive range of FMCG package types**, making it the perfect solutions for mid / high-volumes order fulfillment centers within the Food, Beverage & Grocery industries.





# LOGIMATE

## Modular Order Picking System

**MOPS** is the picking system for the **fully automated** creation of **mixed pallets**

The items are directed to an automatic palletizer based on the optimum composition of the client's (mixed) pallet determined by the **Best Fit software**

**Best Fit** algorithm is an algorithm that manages the pallet building for every customer order, elaborating the **best physical composition** and the correct palletization sequence, evaluating many different variables at the same time

**MOPS** can deal with a large range of different products (over 95% of products managed within large-scale distribution)

Packages are handled **without support trays**, so the number of items that can be managed through **MOPS** is very variable: from a couple hundred to a few thousand items





# LOGIMATE

## Each Picking

Goods-to-person (GTP) solutions combine custom-designed, ergonomic stations with operator-friendly control systems to greatly improve order fulfillment efficiencies

Products are stored within the system and automatically transported directly to the operator as needed for picking, offering accurate inventory and pick data

Workstation screens display exactly which item the operator needs to pick, this eliminates order errors that are often a challenge in high-speed and high-demand environments

Goods to person technologies are easily scalable to match growing demand and increase in SKUs







THANKS FOR YOUR ATTENTION!



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