



# AUTOMATED CONTAINER HANDLING SYSTEM

The Automated Container Handling System can transport loaded ULDs between destinations and divert empty ULDs for parking or maintenance with no manual lifting and minimal operator intervention.

Configured as a single isolated loop, or as a number of interconnected loops over multiple building levels, the system is controlled by management software which communicates wirelessly, and in real-time, with each ULD carrier. The destination, position and progress of each carrier are constantly tracked to provide 100% traceability of each ULD.

## FEATURES

- › High-efficiency transportation of ULD containers
- › Real-time wireless communication between the carrier and management system
- › 100% accurate track-and-trace of each container
- › Modular system enables single or interconnected loop systems
- › Lift allows operation over multiple building levels
- › Includes parking and maintenance areas.

## BENEFITS

- › Automated transportation of containers between locations
- › Minimal handler interaction
- › Reduced ergonomic risks
- › Enhanced control, traceability and security
- › Minimises human error to reduce lost or mislaid bags
- › Integration within existing or new systems
- › Suitable for all types of containers.

## SPECIFICATIONS

### CARRIER

- › Dimensions (L x W x H):  
3400x1570x2020 mm  
(11.2x5.2x6.6 ft)
- › Carrier speed: 1 m/s (3.3 ft) in  
straight lines or 2 m/s (6.6 ft)  
high speed: 0.5 m/s (1.6 ft)  
around curves
- › Weight/Load: 120 kg/70 kg  
(265 lbs/154 lbs)

Empty carriers can be routed to designated areas for parking or offline maintenance. When transporting ULDs, the carriers can achieve speeds of up to 2 m/s in straight lines, and 0.5 m/s around corners to give an average speed of up to 1 m/s.

Automating the container handling process provides enhanced quality by reducing the Incident Rate (IR) and increases productivity and process reliability. Security is also increased by reducing the number of times that the bags are handled manually.



The management system can route carriers around interconnected loops



Containers are moved with no operator intervention



A lift allows ULDs to be moved between destinations on different building levels