

3D DYNAMIC BUFFER CONSOLIDATION

CONSOLIDATION BUFFER SYSTEM

Material flows from different (order picking) areas come together in an automated storage and retrieval system. The i-Collector system is a cost-effective solution for the short-term storage of order totes and cartons. Due to its high capacity, i-Collector is most suitable for this purpose.

Within a short time period, flows can be sorted and grouped per order, delivery unit or shipment, and then dispatched in the precise sequence required. The result is fast, efficient order consolidation and store-friendly delivery with minimum manual labour requirements.

Because of the unique principle of in- and outbound and the storage in channels up to max 24 totes or trays, the i-Collector is capable of high consolidation speed especially for dispatch and still have a storage with high density, so less floor space is needed. The size of system is adjustable to available space near the dispatch area in the warehouse and still have a high performance.



SYSTEM

- One i-collector has a storage capacity up to 300 channels and 7.200 tray locations
- Tray 640x425 mm, totes and/or cartons up to a size of 600x400x300 will be placed on top of the tray
- Max weight on tray is standard 30 kg.
- 1 special input and output section of i-collector where totes and or cartons easily can be loaded and unloaded of the tray.
- Based on the order profile the system can be installed as an organised or a random buffer system.
- Loading rate between 570 and 650 trays per hour if organised system
- Unloading rate between 1.250 and 1.350 trays per hour if organised system
- Loading/unloading rate between 350 to 400 trays in and 350 to 400 trays out per hour if random system

i-collector

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i-Collector is a PATENTED system

www.i-collector.eu

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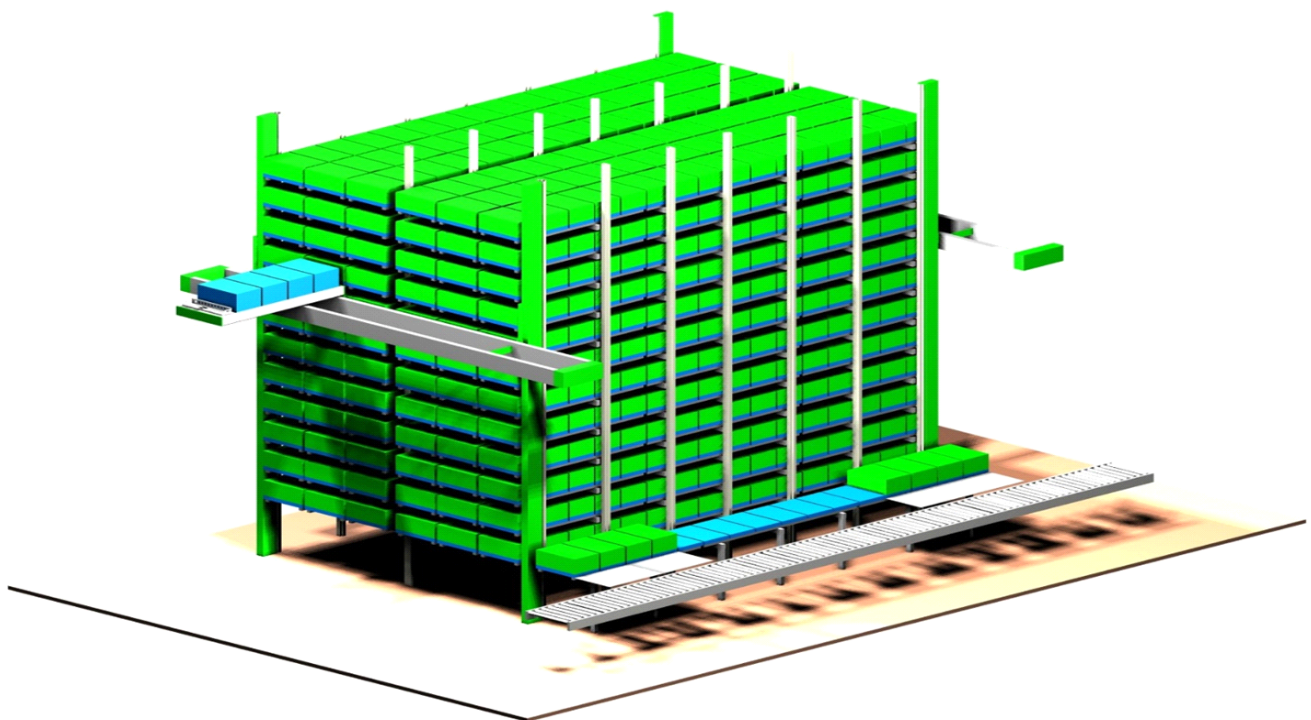
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BENEFITS

- High consolidation speed especially at dispatch in sequence
- High density storage, storage in channels with adjustable length up to 24 totes or trays
- Simplicity of the system, high reliability
- Usage of proven technology
- Remote monitoring both technically and operationally
- Ease of use is high, the system can be configured through the userfriendly ICS software
- Optimal floorspace usage
- Low cost of ownership



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