

3D DYNAMIC BUFFER

MEAT PRODUCTION BUFFER

SYSTEM DESCRIPTION

The customer needed a buffer system in a separate chilled store between the production area of meat bowls and the packaging despatch area. Blanc meat bowls (sealed without a label), not yet assigned to a specific customer order, are stored in the i-Collector.

For the major part the production is done by forecast and therefore no longer order related. During the day the forecasted quantities are efficiently arranged the iCollector. In the afternoon the forecast for the next day will be produced. In the morning the articles will be produced of which the amount was too low forecasted according to the effective ordered volume. Through this method the production is more evenly and less chaotic which gives a big advantage to the productivity.

The meat bowls are stored in a highly efficient way on trays. On demand the trays come out of the i-Collector towards robot pickers. The needed bowls for the order are picked from the trays completely and the partially filled trays are brought back in the i-Collector, waiting for the next order.

In this way a specific mixed customer order can be very quickly delivered to the outbound despatch area.



FACTS

- Max. weight on one tray 10 kg
- 6 different bowls with 18 different heights
- Capacity 385 trays IN & OUT p/hr
- In working 16 hours p/day and 5 days p/week
- Temperature from 0 up to +2 degrees Celcius



SYSTEM

- 1 i-Collector total 451 lanes and 1.804 Tray locations, type Random Buffer System [RBS]
- Tray dimension 800x600mm (double Transfer Device)
- 4 Trays in one lane
- 4 trays on the Transfer Device
- i-Collector dimension: L 11,7 x W 5,6 x H 7,7 mtr
- Floorspace about 66 m2

i-collector

i-Collector is a PATENTED system

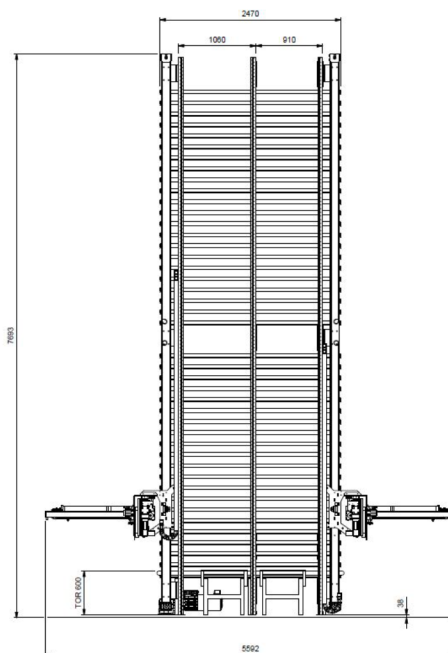
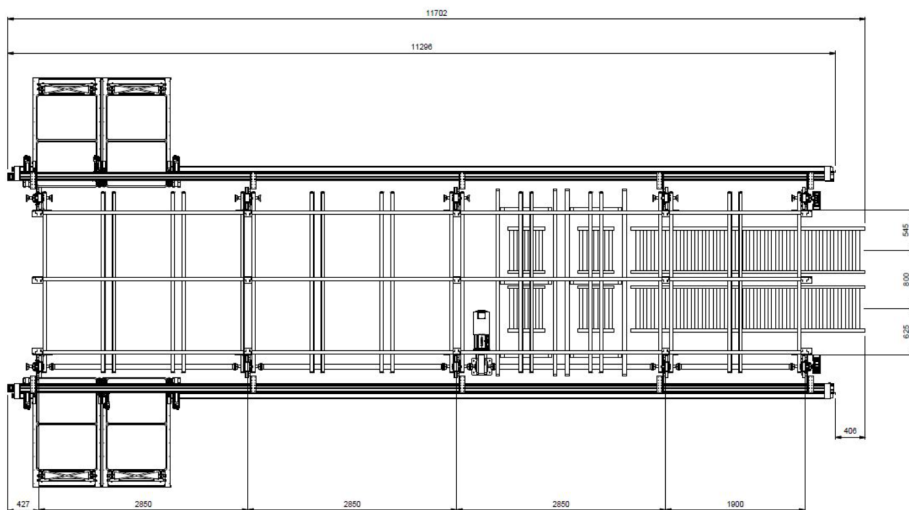
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BENEFITS

- Most optimal usage of floorspace
- Proven Technology
- Modular and scalable storage
- Simplicity of the system
- High productivity
- Pay Back less than 3 years
- Low cost of ownership



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