Snellman

Manpower reduction of 40%, with increased volumes and combination of product and customer totes

IMPROVEMENTS
- Manpower: -40%
- Errors: -80%
- Daily throughput time decrease with 8 hours

IMPLEMENTATION
- Preparations: 3 months
- Installation: 9 months
- Start up 3 months

COST OF OWNERSHIP
- Decreased
- Predictable
- Stable

Located at the west coast of Finland in the city of Pietarsaari (Jakobstad), privately-owned Snellman produces and distributes meat throughout entire Scandinavia and Russia. The company was founded in 1951. Snellman specializes in premium quality foods, but also offers convenience food nowadays. For many years now, Mr. Snellman has maintained the number one position in Finland as a quality oriented and friendly sausage manufacturer known by at least 96% of the Finnish people.

Concept

Of vital importance in the design that Inther developed for Snellman, is the combination of storing product and customer totes in the same mini load system with 12 commissioners. Replenishment of stored product totes is carried out automatically by the commissioners to the integrated flow through racks. Picking is performed using Pick To Light in 12 Pick-stations, positioned alongside the commissioners. When a customer tote is completed, it is stored temporarily in the mini-load system.

Once a complete outbound pallet for one or more customers is complete, the totes are retrieved out of the mini-load and automatically stacked onto a pallet. This is done in the reversed drop-off sequence for the trucks. Finally, a pallet label is applied automatically.

INTHER

Project history

Due to a continuous sales growth and the fact that human labour is harder and harder to find these days, an internal project team was formed to set up a new warehousing concept together with Inther. The erection for the racking started in January 2008, the first live orders where processed in November the same year.

Functionality

Inther LC controls the complete Warehouse management (WMS) and Warehouse Control (WCS) environment. Picking can be performed in different unities: in single quantity or weight. Some articles need to be price labeled before they can be shipped. Two separate workstations are equipped for price labeling. Once labeled, the order is processed further with non-labeling goods. For identification purposes further down the supply chain, all customer totes are inkjet printed on the side.

Timo Tupoli, warehouse manager at Snellman in Pietarsaari, Finland:

"In all we were able to save 40% of our total FTE's with the AS/RS system."

Summary

- **INTHER LC - WMS and WCS**
- **12 commissioners for storage of product totes and sortation of customer totes**
- **10.000 storage locations**
- **Tote (de)-stackers**
- **(De)-palletiser**
- **Conveyor system ± 1.500 m, at 3 different height levels**
- **Central window conveyor for retrieval**
- **Pick To Light system**
- **RF Picking system**
- **Value Added Service Workstations**
- **Label applicators**
- **Weight check**
- **In Line tote printing**
- **Flow racks integrated in mini load racking**
- **Pallet racking**

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