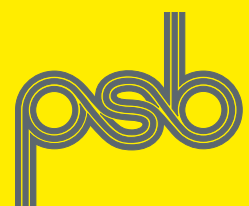




psb Best Practice

Wasgau Bäckerei

Warehouse system for deep-frozen bread and pastries



CREATING YOUR
INTRALOGISTICS



Wasgau Bäckerei

Warehouse and picking system for deep-frozen bread and pastries

Customer

Wasgau Bäckerei & Konditorei GmbH
Pirmasens / D

System

Deep-freeze pallet shuttle warehouse with push-pull operation, automatic warehouse for empty boxes and conveying system

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The Wasgau Bakery is a member of the WASGAU Produktions & Handels AG (production and trading company). They produce a full range of bread and pastries for approx. 90 stores.

Design criteria

The increase in the production of bread and pastries along with the permanent opening of new stores required to plan a automated production logistics center.

The solution

Core of the total system which was designed and developed by psb in co-operation with Wasgau is the automatic deep-freeze channel warehouse (-28°C).

A *maxloader AS/RS* pallet stacker crane takes the loaded shuttle, which is then transported to the channel assigned by *selektron WMS*. The shuttle moves to the designated location in the channel and puts down that pallet, or picks up a pallet, respectively.

With this advanced intralogistics solution, WASGAU stores the freshly made dough for bread and rolls until they are distributed

to the shops, where they are warmed and crisped up to give a freshly baked finish. Batch tracking and the strict observance of the date of minimum durability (sell-by-date) are major factors in the warehouse management. In 3-shift operation, 125 000 bakery goods are stored, picked and delivered to the bakery shops each day.

An automatic empties warehouse serves as buffer between the return of the empties and the production of the bread and pastries. Empty boxes are stacked 5-high and, by utilizing a *runloader* stacker crane, are stored in four positions beside each other (four-deep). Furthermore, the total system comprises an automatic box washer and a turn and stack device for boxes.

The processes are controlled by the psb *selektron* Warehouse Control System which is linked to the existing Host computer system.

