

Case studies

PANTANO CARNI



Sector: Beef producer

Site: Arrè (Padova)

High performance for low temperature environments

Using the automatic solutions proposed by Ferretto Group, Pantano Carni, a leading beef producer, has optimised the storage of vacuum-sealed and frozen products, synchronising operations with order preparation.

Objectives:

- Manage the storage of finished products, classifying the items according to type, lot, origin and source
- Reduce storage space
- Improve product traceability
- Speed up warehouse loading/unloading procedures

Solution:

- Miniload automated storage system at a controlled temperature of -2°C, with plastic crates connecting production and shipping
- 1 double mast stacker crane with combined belt handling system for loading/unloading to/from the peripherals, and forks for placing inside the storage system
- Industrial racking with 4 positions depth-wise and 34 load levels
- Automated pallet racking at a controlled temperature of -20° for the storage of frozen finished products
- 1 stacker crane with satellite for moving the ULs
- Industrial racking with 17 positions depth-wise and 4 load levels
- Interface and management with WMS developed by Ferretto Group

Technical details:

- Possibility of simultaneous management of up to 4 unit loads with different part numbers, positioning these individually in the exit bay, meaning faster order preparation and storage system reorganisation
- Automated and suitably compartmentalised structures to ensure a working temperature of -2°C for the miniload ASRS and -20°C for the pallet racking

Added value:

- Improved product traceability and storage
- Optimisation of company production processes
- Optimisation of order preparation

The storage systems in figures:

Miniload ASRS	
Total surface area	900 m2
UL	plastic crates
Overall capacity	4,512 crates
Load levels	34
Positions depth-wise	4
Type and number of stacker cranes	1 double mast stacker crane with combined belt/fork handling system

Storage system facts and figures

Pallet racking (UL Europallet 800x1200)	
Total surface area	900 m ²
Overall capacity	198 pallet spaces
Load levels	4
Positions depth-wise	17
Type & number of stacker cranes	1 mains powered stacker crane with satellite





