

Case studies

PARMALAT



Business sector: Dairy

Luogo: Verona - Italy

Ferretto Group technology for the new Parmalat warehouse

The relationship between Parmalat and Ferretto Group continues. Opening of a new structure in Zevio, adding to the existing warehouse built in the nineties.

Objectives:

- To provide the best storage solution by creating a buffer zone in order to comply with the quarantine and control procedures for raw materials awaiting shipment.
- To centralise logistics operations at a single production site.

Solution:

- Automatic pallet racking system connecting the production and the shipment departments for storage of UHT milk in bottles or cartons.
- Two stacker cranes with forks with on-board operator cab.
- Double-depth shelving with 7 staggered load levels.
- Peripheral equipment comprising 4 conveyor lines, 2 inbound lines and 2 outbound lines for each stacker, supported in turn by 4 mezzanines.
- Lighting system with LED luminaires to facilitate maintenance of the stacker crane rails.

Technical features

- The entire stacker crane control electronics has been designed to be powered by a dedicated line, via UPS, so as ensure service continuity in the event of power outages.
- The two stacker cranes are equipped with on-board cabs to allow operators to work at unit load level.
- The busbars supplied with the stacker cranes have been installed with the power tracks facing downwards, to avoid power failures in the event of milk spillages.
- All of the system electrical panels (stacker cranes and peripherals) are equipped with a CO2 fire extinguisher.

Added value:

- Increased logistics efficiency thanks to centralisation of shipments.
- Cost reductions due to unified logistics management at a single site, eliminating the cost of renting external storage spaces.

Storage system facts and figures:

Total surface area	1.100 m ²
Overall capacity	4.000 pallet spaces
Storage system height	13 m
Load levels	7



