Case studies

THE FERRETTO GROUP DOUBLES IN CROATIA: SECOND AUTOMATIC STORAGE SYSTEM CONSTRUCTED FOR J.G.L. D.D.

Product sector: Pharmaceutical
Place: Rijeka - Croatia

J.G.L. d.d. is the first completely private pharmaceutical joint stock company in Croatia; the company also operates internationally with 160 brands and 460 products, especially sterile products such as eye drops, solutions, drops and nose sprays. Faced with remarkable production growth, in terms of both volume and product types, and driven by the desire to penetrate new markets, the company decided to expand its structure by adding new quality control labs, new research and development areas, and increasing the space for the storage of finished products.

Objectives:

- More space for the storage of finished products and raw materials also in view of the expected growth
- Process automation
- Improved order preparation
- Space management and inventory control optimization
- Proper storage of products
- Neutral or negative CO2 emissions
- Resistance to the strong gusts of bora wind

Solution:

- Self-supporting automatic pallet storage system for the storage of finished products and raw materials
- No. 2 cable satellite stacker cranes
- Multi-depth racking on 9 load levels
- Fast Ring monorail steering shuttle circuit to move pallets in and out of the storage system

Technical features:

- The fully automated management of the warehouse includes the automatic unloading of the pallets from the semi-trailers and, after the weight, size and barcode are checked, the forwarding of the unit loads to their respective destination inside the racks
- The racking incorporates the air conditioning system in order to ensure suitable temperature and humidity conditions for the products
- Given the type of goods stored, the storage system is equipped with a sprinkler fire-prevention system. The 4 entrance and exit gates are equipped with roller shutters and EI-120 fire doors

Value added:

- More space to support business growth
- Maximum automation of flows and activities within the structure
- Increased safety for operators and goods
- Fewer order preparation errors
- Optimized inventory control
- Reduced energy consumption

The storage system in figures:	
Total surface:	2,926 m2
Unit load:	Europallet 800 mm x 1,200 mm x H = 2,000 mm
Total capacity:	15,388 pallet spaces
Storage system height:	22 m
Load levels:	9
Type and number of stacker cranes:	2 cable satellite stacker cranes
Shuttles:	Fast Ring monorail steering shuttles