

Case studies

NUOVAPLAST



Sector: Plastics

Site: Teramo

Ferretto Group automation to support company growth.

Nuovaplast, a leading manufacturer of PET preforms for the production of plastic bottles, has chosen Ferretto Group to construct an automated self-supporting storage system to support a continuous 24-hour production cycle.

Objectives:

- Optimise storage capacity of the warehouse area
- Propose the most suitable storage solution to support a 24/7 continuous production cycle
- Support the company's logistics requirements and growth prospects

Solution:

- Automatic pallet racking system connecting production and shipment for storage of semi-finished plastic products
- 1 stacker crane with satellite system
- Multi-depth racking featuring channels with 12 pallet positions distributed over 6 load levels
- Storage in/out peripherals using chain drives and roller conveyors
- Incoming and outgoing pallet picking and placement managed with LGV

Technical details:

- The entire system is fitted with special wall panels in compliance with fire prevention systems
- The storage system has also been designed with three electronically- and pneumatically-operated skylights, measuring 24 long by 1.7 m wide, to allow natural ventilation and smoke discharge in the event of a fire

Added value:

- Increased storage capacity
- Flexibility and synergy between production and shipment
- Complete fulfilment of the customer's need to develop a project that can support a 24/7 continuous production cycle

The storage systems in figures:

Total area	2,560 m ²
UL	octabins positioned on 1000x1200 and 1200x1200 europallets Weight 1000 kg
Total capacity	14,400 ULs
Storage system height	20 m
Load levels	6
Type and number of stacker cranes	1 stacker crane with satellite system







