



**Palazzoli**  
SISTEMI ELETTRICI E LUCE D'AUTORE

## ***CASE STUDY***

## ***PALAZZOLI***

---

Electrical systems  
and lighting

 **cassioli**  
AUTOMATIC MATERIAL HANDLING

## THE COMPANY

Palazzoli is an Italian company specialized in electrical equipment for industrial plants and electric power distribution.

Founded in 1904 in Brescia, where the headquarters and the production plant are still located today, Palazzoli has two other offices in the world and is present in the main European countries. Palazzoli boasts a wide range of over 5,000 products and creates solutions for the industrial, naval and infrastructure sectors. With over a century of experience, Palazzoli is one of the major international players in the production of electrical and lighting systems.

## CUSTOMER NEEDS

The customer turned to Cassioli with the need to improve the picking phase for the preparation of orders: the necessity was to increase the number of bays and to allow operators to do batch picking up to 3 orders simultaneously.

Palazzoli also wanted to organize the pallets (Europallet) placed on the ground in a new automatic warehouse.

This warehouse should have been guided by a new management software, which had to interface both with the company management system and with the existing automatic warehouse, where aluminum supports (Skid) were used instead of pallets: all this was necessary to have a single management system able to organize all the flows of material directed to the picking bays, in order to increase their efficiency.



## CASSIOLI SOLUTION

- ▶ Automatic warehouse consisting of 2 double-depth stacker cranes for products on Europallet 1200x800xH1150-1800-2220 and max weight 1000 Kg (capacity 4492 pallets)
- ▶ 4 picking bays with height-adjustable picking station, complete with weighing system for pallets in shipment
- ▶ Conveyor system to connect warehouses and bays
- ▶ Upgrade of the existing warehouse consisting of 3 stacker cranes for products on Skid 620x820xH640 and max weight 250 Kg
- ▶ Warehouse Management System (WMS) Cassioli



The Cassioli solution was therefore organized into three parts: modification of the existing logistics (replacement of the conveyors and modification of the electrical panel of the old stacker cranes to increase performance and safety); installation of the new plant (new automatic warehouse with 2 stacker cranes and 4 new Picking bays, capable of processing both materials handled on Skid and Europallet); implementation of the Cassioli management system (single system to manage both the warehouses and the flow of products to the picking bays).



The installation was carried out in various steps, integrating the existing plant one part at a time to never interrupt the customer's production process during this considerable change.

The completion of this project allowed Palazzoli to completely reorganize the logistics of the shipments. The new ASRS has made it possible to store up to 4,500 pallets and to make them automatically available only when needed, eliminating the excessive traffic of personnel and forklifts. The new picking bays have allowed operators to receive materials handled both on Skids and on pallets - without moving from the work area - and to use them to complete up to 3 shipping orders at the same time, thus increasing productivity and ergonomics. Thanks to the new WMS, the single management of material flows has also streamlined the traffic on the transport lines; finally, the modification of the existing stacker cranes made it possible to integrate them into the new WMS and to improve their management in complete safety.



## ADVANTAGES

- **MAXIMUM ORGANIZATION OF THE WORKING ENVIRONMENT**
- **INCREASE IN STORAGE CAPACITY**
- **ERGONOMICS AND SAFETY IMPROVED**
- **INCREASE IN PRODUCTION EFFICIENCY**