

Case study: Medifarma

Changing the face of the Peruvian pharmaceutical Medifarma

Location: Peru



Mecalux has built a clad-rack warehouse with the semi-automatic Pallet Shuttle system for Medifarma. It is a solution that endows considerable storage capacity and plenty of flexibility when carrying out inventory placement tasks.

About Medifarma

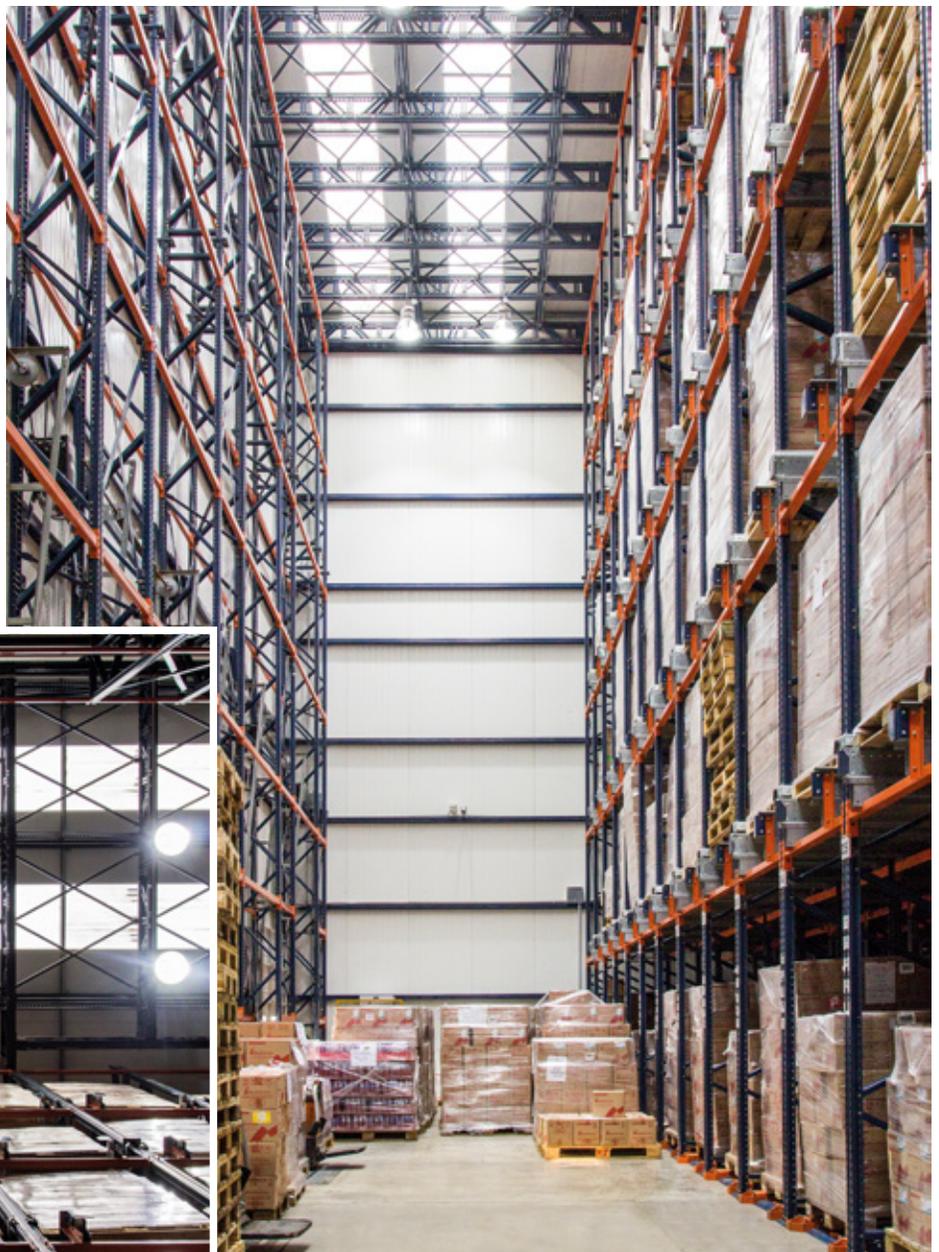
Medifarma is a pharmaceutical company located in Peru and focuses on the development, manufacture and sale of generic medications. Since its founding in 1964, it has grown steadily and currently has six manufacturing plants worldwide. It is considered as one of the leading laboratories in the Peruvian market, with a strong presence internationally.

The firm's warehouse in Lima (Peru) did not provide enough storage capacity to meet its logistical requirements or the increased sales achieved in recent years. Determined to resolve this situation, Medifarma requested the collaboration of Mecalux to gain greater racking capacity for products. The system implemented would enable it to supply its customers, worry-free and far into the future.

Clad-rack warehouse

After analyzing the requirements presented by Medifarma, Mecalux proposed the construction of a new self-supporting warehouse. This 5,113 ft² extension is 52' high and can accommodate 780 pallets weighing up to 1.1 t.

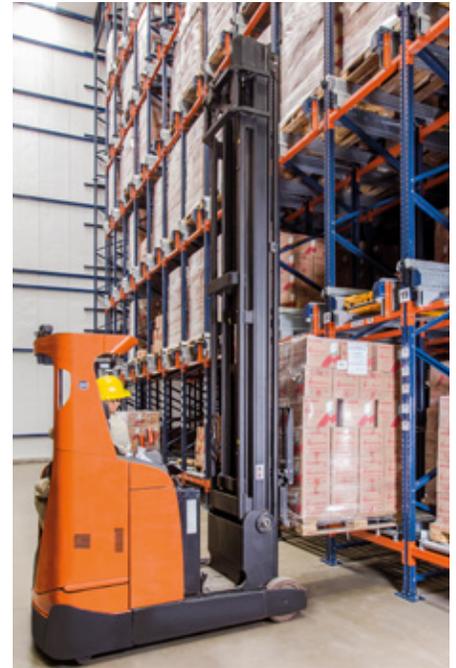
Clad-rack warehouses are formed by racks that support their own weight, the stored commodity, as well as the lateral and roof cladding. This construction optimizes the surface and height available so that only the space strictly necessary is leveraged.



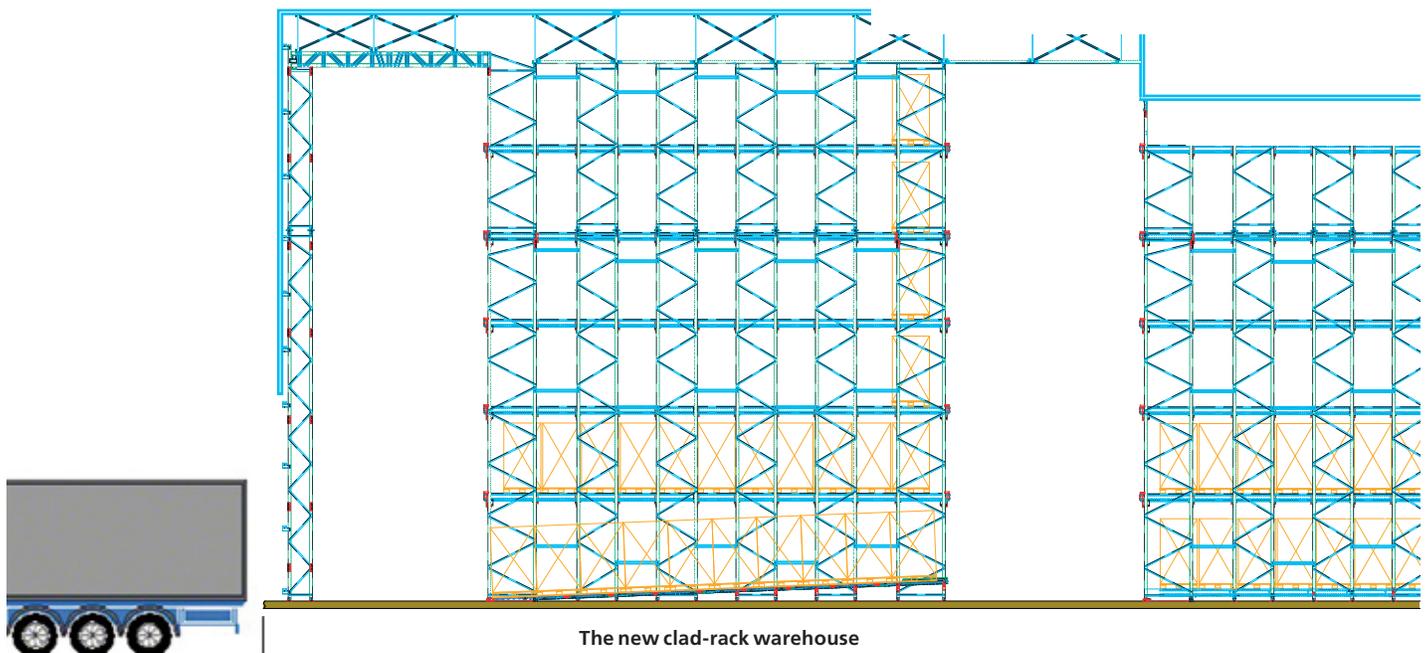
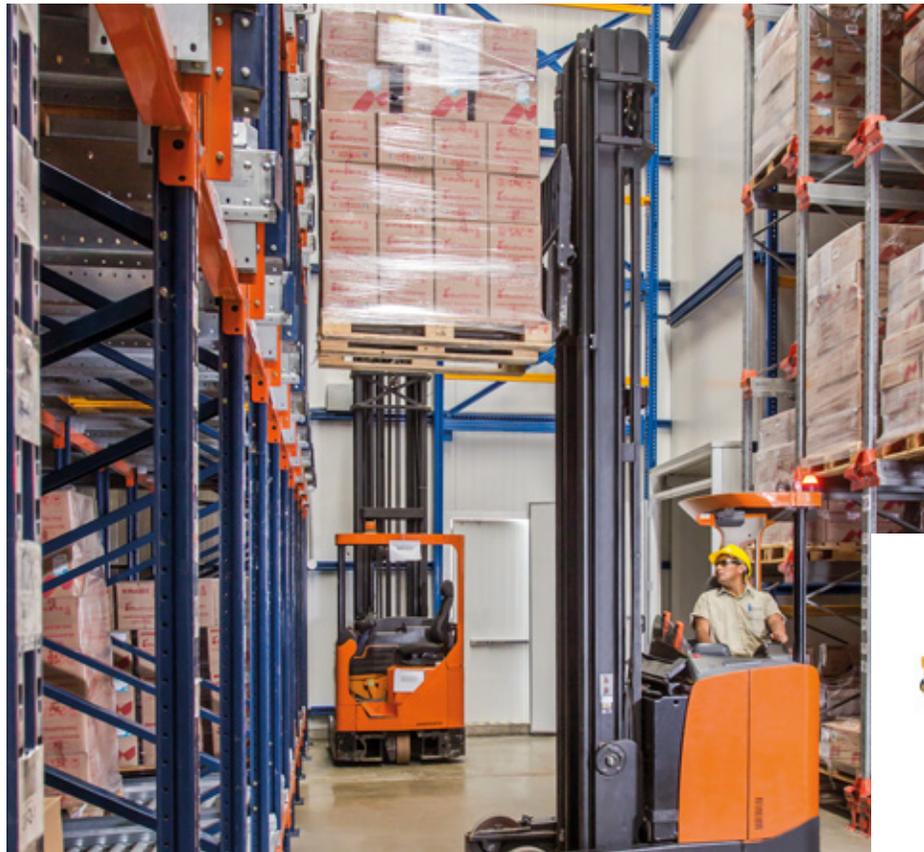
Agile operations

The warehouse is equipped with the semi-automatic Pallet Shuttle system. This solution fulfills Medifarma's expectations of furnishing both increased storage capacity and agility to handle goods. Operators do not enter the aisles, they sim-

ply place the motorized shuttle into the channel, deposit the pallets into the first position of the racks and then the Pallet Shuttle autonomously transfers them directly to the first free location. The same operation is carried out, but in reverse, to remove the merchandise.



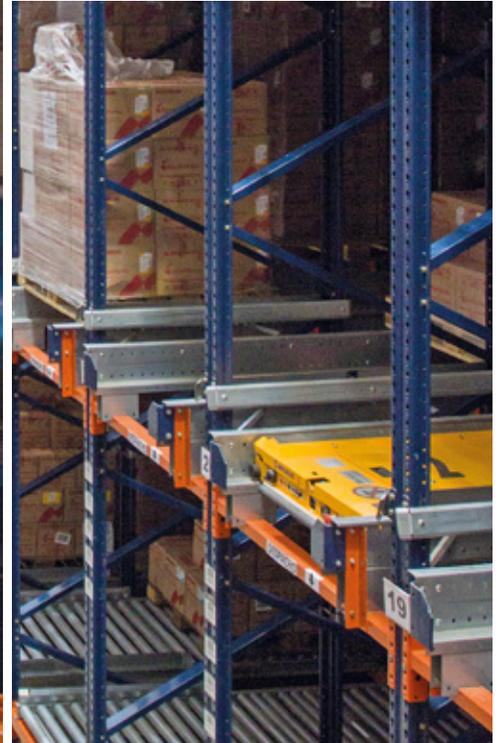
The Pallet Shuttle is equipped with various electronic and mechanical components to ensure proper operations and safe transport within the lanes



The new clad-rack warehouse



On the bottom level of the racks, pallet flow channels make product classification by order or route possible, and thus streamlined loading of distribution trucks



Advantages for Medifarma

- **Bigger, better capacity:** with the 780 pallet expansion of the Medifarma warehouse, the company has increased storage capacity in a limited space of pallet loads weighing up to 1.1 t each.
- **Augmented productivity:** the combination of the Pallet Shuttle system with pallet flow channels streamlines storage tasks and minimizes maneuvers for the insertion and removal of pallets from their locations.



Technical data

Warehouse height	52'
Warehouse length	87'
Storage capacity	780 pallets
Pallet size	39" x 47" x 74"
Max. pallet weight	1.1 t
No. of channels	72
Channel depth	40'

