

## Case study: Lacticínios Bela Vista

Maximum storage capacity at the Lacticínios Bela Vista facility in Brazil

Location: Brazil



The Lacticínios Bela Vista company has purchased three different storage systems from Mecalux for its distribution center in Minas Gerais (Brazil): drive-in pallet racking, selective pallet racking and pallet flow racks. The installation has a storage capacity of 6,320 pallets, the best fit to meet the expected growth.

## About Lacticínios Bela Vista

The dairy company was founded in 1955 in Piracanjuba (Brazil), bestowing the city's name on its main brand.

Innovation and continuous development of new products are clear signs of the company's commitment to the health, wellness and dietary needs of its consumers. Growth

within the enterprise and the expansion of its product portfolio have been non-stop. Currently, it carries more than 100 products, many of them very popular and among the best sellers in the country.

## Needs and the solution

Lacticínios Bela Vista needed to expand its storage capacity with a new finished products warehouse, to cope with the increased sales achieved in recent years and to supply customers quickly. After an in-depth analysis of the enterprise's business requirements and the center's potential, Mecalux proposed setting up three different storage

systems to classify the goods according to demand:

- Drive-in pallet racks.
- Selective pallet racks.
- Pallet flow racks.

## Selective pallet racks

These racks are typified by their versatility in accommodating pallets of different sizes and turnovers, and for providing direct access to goods. This furnishes flexibility in managing goods and yields an all-round flawless stock control, as each location is set aside for a particular pallet.





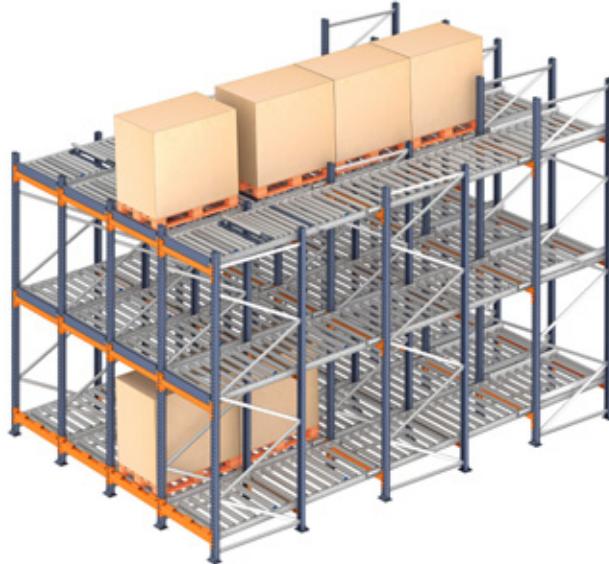
### Pallet flow racks

This high-density storage system maximizes the available surface area, while delivering prime access to the unit loads.

Racks are made up of slightly inclined roller channels, letting pallets slide forward via gravity.

In addition, this solution ensures spot-on product turnover by applying the FIFO method (first in, first out), i.e., the first pallet in is the first out.

Pallets are inserted into the loading aisle, slide to the other end and are ready for extraction. Thus, any interference between the two operations disappears.



## Drive-in pallet racks

The three blocks of drive-in pallet racks take up the majority of the warehouse surface. Consumer products are housed here, with a multitude of pallets per SKU.

The pallets rest on support rails made from extra strong, galvanized steel.





Operators, aided by reach trucks, enter the inner lanes with the load perched above the level where it must be deposited. Both loading and unloading of the goods is done in the same aisle, but in reverse.

Aisles are wide enough to ensure the smooth movements of the handling equipment. Up to two machines can operate safely at a time and undertake the corresponding maneuvers easily





#### Advantages for Laticínios Bela Vista

- **Considerable storage capacity:** the Laticínios Bela Vista storage facility has a warehousing capacity of 6,320 pallets.
- **Efficient service:** the triple-facet storage system aims to classify goods according to turnover and to organize operations. Catering to the needs of customers quickly is the focal point.



#### Technical data

Storage capacity	6,320 pallets
Pallet size	39" x 48"
Max. pallet weight	1.32 t

