

Case Study

# Joghurt Non Stop





# Refurbishment and extension

## Customer and task

In 2018, the family owned Ehrmann dairy company invested in the refurbishment and extension of its logistics plant at its company headquarters in Oberschöneck. Refurbishment of the existing plant was necessary because the control technology had become obsolete and various spare parts were no longer available. Nine stacker cranes and the automation systems of the conveying technology were to be completely refurbished. The project also included a new four-aisle high-bay warehouse with approximately 6,000 pallet storage spaces. New safety technology was also required.

## Solution

As part of the refurbishment, all automated areas were standardized and converted to programmable logic controllers (PLC) of type Simatic S7-1500. Discontinued components were also replaced by the latest technology and nine existing stacker cranes were fitted with an energy recovering system.

A completely new automated conveying system was installed to connect the new high-bay warehouse 4 with the adjoining high-bay warehouse 3 and the manually operated warehouse 2. When these works were completed, construction of the new 4 aisle high-bay warehouse began. The 70-meter long, 32-meter wide and 20-meter high building provides space for 6,000 Euro pallets or 3,980 industrial pallets, which can be stored double-deep. These are handled by four stacker cranes of type Kardex MSingle A-1200, each of which has a capacity of 24 double cycles per hour.

## Case at a glance

### Retrofit during ongoing operations

As part of a wide-ranging refurbishment and extension project, Kardex Mlog extended the storage capacities of Ehrmann dairy company at its headquarters in Oberschöneck. Kardex Mlog also improved the plant availability and optimized the material flow.

Approx.  
**6.000**  
storage  
spaces

Max.  
**24 double**  
cycles/hour

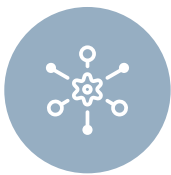
**Standardized**  
S7 controls



### Scope of delivery



4-aisle high-bay warehouse, 70-meters long, 20-meters high and 32-meters wide



Conveyor system: Transfer cars, vertical conveyors, scissor lift tables, chain and roller conveyors, corner transfers



Programmable logic controllers (PLC) of type Simatic S7-1500