



Case Study: 'Chimac'

A smart end-of-line packaging solution helps to improve packaging efficiency for (plastic) bottles and jars.

A chemicals manufacturer, located near Luik (Belgium), faced with a growing demand for its products chose to optimize its packaging processes.



Whilst the primary packaging process of filling and labeling plastic bottles was automated, the packing of the products into cases and palletising the cases was still a manual operation. With limited available space, short production runs and ease of use being the main selection criteria, a packaging line was designed to pack their different products.

A technical integrator supported the manufacturer with the concept development, supplier selection, installation and after sales support.

The packaging line supplied consists of:

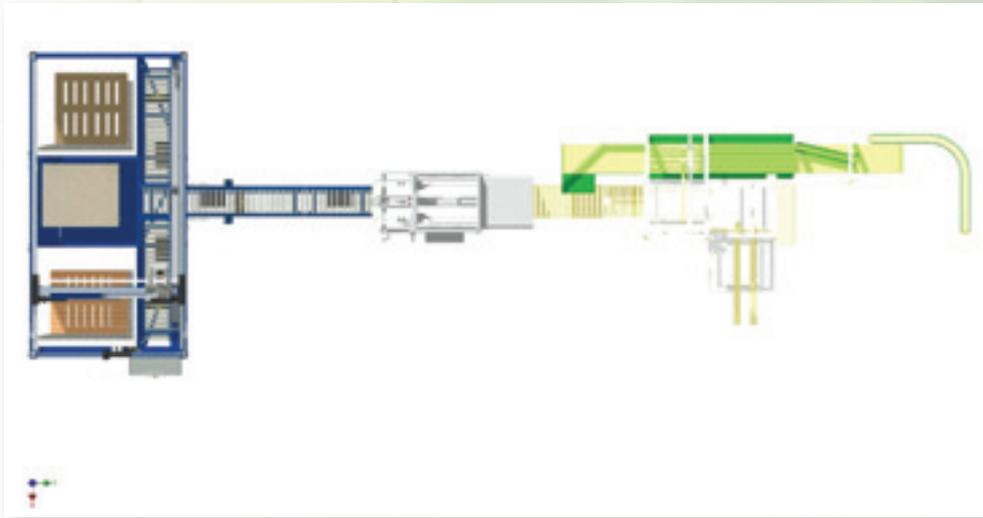
- Conveying systems for transport of bottles, jars and filled cases.
- Product divider to create the formation of products to be handled by a case packer.
- Lantech Case Packer CP 1000 to erect cases, place the bottles and jars with a pick & place gantry in the case. A bypass function is available for manual packing operations.
- Lantech Case Sealer CS 1000 to close and seal the cases.
- Palsys Gantry Palletiser P40-2 with a smart control system to change to different pallet stacking patterns.

Benefits of this packaging process for the customer are:

- Robust product divider with central adjustment for different products.
- Proven case erecting and case sealing technology with over 2500 machine placements in the last 10 years.
- Pick up head of the case packer with double clamping function for reliable product handling.
- Bypass function in the case packer for small or deviating product batches.
- Reliable gantry palletiser with vacuum pick-up head for gentle case and layer card handling; the compact, modular design allows for future expansion.

Overall system can be changed to a different product or case size in less than 20 minutes.

Lay-out of the machines:



Machines integrated at the production facility of Chimac:

Lantech Case Packer CP-1000



Lantech Case Sealer CS-1000



Palsys Gantry Palletiser P40-2

