



LTW *APPLE STORAGE*

GAINING FRESHNESS THANKS TO AUTOMATION

Wherever perishability plays a major role, process optimization is essential. The South Tyrol region has recognized this as a pioneer and has revolutionized the apple industry thanks to automated processes. Not only does a high-tech apple sorting system play an important role here, but also the optimization of storage.

And that's where we come in: as an intralogistics specialist, we have now implemented around 25 projects for the apple industry worldwide – from the fruit dumper to the conveyor system and buffer storage in the high-bay warehouse.

LTW APPEL STORAGE

WATER VS. STEEL

The biggest challenge in these projects is definitely the handling of the wet fruit crates. This is because the apples are sorted in a water bath before they are returned to the fruit crate. The crates are then automatically transported to the high-bay warehouse by our conveyor system.

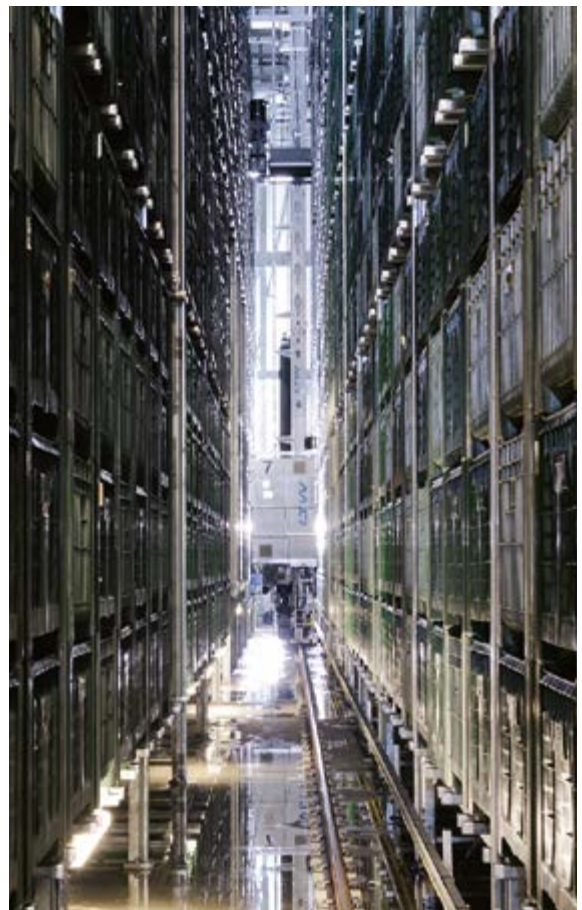
Thanks to our many years of experience in this area, we have also found solutions for handling water – the elements that come into contact with water are made of stainless steel. In addition, thanks to the use of stainless steel, no lubricants are used in certain areas, which is a significant hygiene advantage in the sensitive food industry. Furthermore, special devices at critical points provide additional protection from the water.



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WHY DOES A HIGH-BAY WAREHOUSE MAKE SENSE?

In addition to the classic advantages of a high-bay warehouse such as space and personnel optimization, a high-bay warehouse is particularly suitable as a buffer warehouse. Why? Thanks to intelligent software in the background, the fully automated system can easily implement storage strategies such as FIFO and FEFO, which can increase freshness by up to a week. But our system is also impressive across the board when it comes to product safety and goods tracking: when using our high-bay warehouse, you can see at a glance which apple is where. Thanks to additions such as the use of our conveyor system or the LTW fruit dumper, processes can be optimized even further and distances saved. This means that nothing stands in the way of growth with the same workforce.



LTW APPEL STORAGE FRUIT DUMPER

Why should you choose a fruit dumper from LTW?

Because we not only promise you a controlled and gentle emptying process, but can also offer you other advantages: From the possibility of complete and partial emptying, the integrated product identification of each crate to individual customization options with regard to the rotation of the emptying processes.

Facts

- 25 implemented projects
- 51 Stacker cranes
- High-Bay warehouse as buffer storage
- Freshness gain: 1 week
- LTW fruit dumper

[Click here for the MIVOR case study!](#)



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