

CASE STUDY | MANUFACTURER / RAW MATERIALS

HÄMMERLE KAFFEE

AUSTRIA

INTERNATIONAL EXPANSION

RELIABLE PRODUCTION THANKS TO FULLY AUTOMATED HIGH-BAY WAREHOUSE

Hämmerle Kaffee in Bludesch, Austria, quickly realized that one factor would be essential when moving forward with its plans for international expansion – a reliable supply of raw materials. Thanks to the new fully automated high-bay warehouse (HRL), the company is no longer reliant on unstable supply chains or global crisis situations.

This gives not only Hämmerle Kaffee but especially its customers a great deal of certainty. The new warehouse also offers the advantage of creating more space while giving the company greater scope to plan ahead. It can now respond flexibly to urgent orders or changes in the market.

Hämmerle Kaffee GmbH decided to take an important step by investing 10 million euros in new buildings, intralogistics, and machines. Over the years, the vending supply specialist for coffee dispensers had gained a reputation as a reliable producer with guaranteed quality. The company is now aiming to focus

particularly on international expansion. After carrying out an in-depth analysis, the company's management decided that building a high-bay warehouse with an additional 8,500 spaces for storing pallets would be key to paving the way for economic growth.

Why?

For one, the company was feeling the effects of unstable supply chains, which have become increasingly common in recent years.

In addition, they simply didn't have enough space at their site and had to store their goods in external warehouses to some extent or even have them delivered just in time. And it seems logical that just in time deliveries and unstable supply chains are not a good combination – not to mention the logistical effort involved. A fully automated HRL is an incredibly simple way to tackle all these challenges.



HÄMMERLE

Hämmerle Kaffee GmbH

Produces filling products for vending machines, supplies several hundred companies primarily in the DACH region, Scandinavia, the United Arab Emirates, and USA

Founded: 1972

Employees: 50



Stacker crane as vertical lift



Transfer car with lift

A focus on product availability

Being able to guarantee their customers a certain amount of delivery reliability was important to Hämmerle Kaffee. Thanks to the new HRL the goods are now centralized, production is possible at all times, the logistics workflows have been accelerated, and the company is now able to respond much more flexibly to its customers' needs.

What's more, all the processes in the warehouse have become less hectic. Because the company dispatches 150 – 350 pallets per day on average, all staff had to pitch in at peak times to ensure the orders were ready on time. The orders can now be packed days in advance and put back into storage in the HRL until the order is retrieved for delivery.

All the logistics processes run more smoothly as a result, whereas employees used to keep manual lists and had to put in a lot of effort to gather the products together. These days, everything is fully automated and staff can always see where

a specific product is located, whether it involves raw goods for production or finished products that are put back into storage in the HRL. The indirect connection to production makes it extremely simple to request replenishments from the HRL, which has further enhanced the company's production processes.

The collaboration

As a general contractor, Hämmerle Kaffee made it their mission to coordinate the entire expansion of the site independently. What does this mean? Every task in the project was allocated individually, making internal project management extremely time-intensive and resulting in many complex interfaces having to be managed.

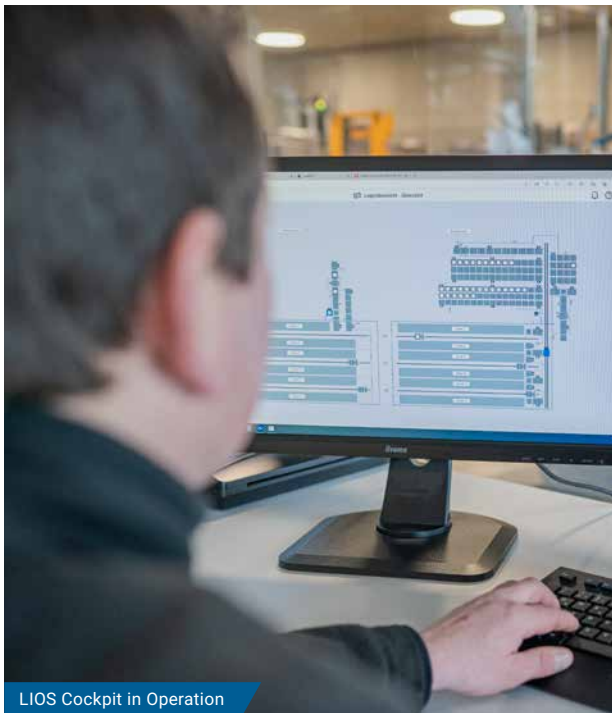
Dominik Kapeller, who was in charge of the high-bay warehouse project, opted to go with our intralogistics solution at the time and has never regretted it: **"We've enjoyed working with LTW from the very beginning. From the quotation stage right**

through to commissioning, LTW has been a reliable and strong partner, who not only thinks outside the box due to their wide-ranging expertise, but has also been a great support to us along the way.

Even though the intralogistics specialist was not a full-service provider for this project, we were able to rely on their advice at all times – that was worth its weight in gold."

In addition to our specialist expertise, our consistent standards of quality also scored points in our favor. After making a number of visits to our existing customers, Hämmerle Kaffee was convinced that we would offer the best price/performance ratio.

What's more, we could make an impact with our service after commissioning thanks to our expert hotline support and the use of our digital service platform LTWcare, which makes the troubleshooting process even more effective. But if onsite support is needed at some point, our geographical proximity also gives us the advantage.



LIOS Cockpit in Operation

The implementation

The commissioning ran as planned despite the large number of interfaces that needed to be dealt with, and no malfunctions occurred at any point. Once the logistics building was ready, the project moved right on to the construction of the high-bay warehouse. A total of three stacker cranes (RBG) manage around 8,500 pallet storage locations.



Truck loading with customer goods

In the pre-zone of the picking stations the goods are transferred to a transfer car, which was specially fitted with a lift because the structural conditions required this special solution. The goods then enter the HRL, where they are transferred to RBG1. This also functions as a vertical conveyor.

The company settled on this cost-optimized solution as the performance requirement for the warehouse is lower, but the same distribution of the goods across the three rack aisles is necessary for structural reasons.

The lifting capacity of the transfer car is also used for retrieval: when the goods leave the high-bay warehouse, they are positioned by the transfer car and the dispatch label is applied at the correct height automatically. They are then transferred to the gravity roller conveyors, before the pallet is prepared for delivery.



"Thanks to the transfer car with lift, LTW not only overcame the structural hurdles but also used these conditions to best effect and found a logical position for the labeling machine. That's when you know you are working with pros who have a wealth of experience in optimizing processes," Dominik Kapeller,

Graphics/Logistics/Head of Wholesale at Hämmerle

More Infos at:

LTW.AT/en/referenzen/detail/haemmerle-kaffee

PROJECT OUTLINE



HIGH-BAY WAREHOUSE

- Steel rack high-bay warehouse
- L x B x H: 78 x 23 x 25 m
- 3 rack aisles
- Double-deep storage
- Approximately 8,500 pallet spaces
- Payload: 1.050 kg
- Temperature range: +5 bis +30 °C



STACKER CRANES

- 3 aisle-bound stacker cranes: Typ LTW I-1125 TG D3-2/R/A
- Rail systems: 228 m, Typ S41
- Driving speed: 180 m/min
- Driving acceleration: 60 m/min
- Lifting speed: 0,6 m/s²
- Lifting acceleration: 0,5 m/s²
- Performance: 29 KS/h/RBG



CONVEYOR SYSTEM

- Conveyor system on two levels
- 1 transfer car with lift
- 11 gravity roller conveyor



SOFTWARE

- Material flow control system (MFS+)

LTW.AT

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