

Press release

Automated high-bay warehouse for supply and storage of production at E. Hawle Armaturenwerke in Austria

The Hawle Austria Group produces and distributes heavy-duty valves worldwide. The products, which are designed for generations, are used in residential water management from the source to the house connection. The Hawle Austria Group includes 12 subsidiaries in Austria, the Czech Republic, Poland, Slovakia, Russia, Turkey, Italy, Great Britain and India.

A new logistics warehouse was built at the E. Hawle Armaturenwerke GmbH production site in Frankenmarkt, Upper Austria, reducing the previously rented external warehouse capacity as far as possible. HÖRMANN Intralogistics, as general contractor, was responsible for the delivery of the 5-aisle high-bay warehouse and the connecting conveyor technology.

Ensuring the supply and storage of the production with raw and semi-finished parts

In order to reduce the numerous rented external warehouses, minimizing the resulting transport costs and create additional capacity in production, HÖRMANN Intralogistics was awarded to build an automatic high-bay warehouse. Unfinished and semi-finished parts are temporarily stored for production or for shipping dispatch.

The production connection is made directly from the production area via a new, double-level conveyor system for pallets. In addition, a loading and unloading station is installed in the outer wall of the new logistics hall, which can be reached from the yard with forklifts.

The 5-aisle high-bay warehouse is equipped with five aisle-bound storage and retrieval machines (SRM). These have telescopic forks for double-deep storage. Three-slot side-by-side storage is provided per rack compartment. The storage and retrieval conveyor sections of the high-bay warehouse are connected to a conveyor loop, extending into the logistics hall to pick up or drop off goods. All stacker cranes are equipped with a compartment fine positioning system that detects both the front and rear z-positions.

Goods receipt and shipping for different load carriers

At the goods receiving area, normal load units are fed onto three conveyor sections with weight and dimension control. Meshed box pallets are only loaded on the middle conveyor section. Meshed box pallets are automatically put onto temporary supplementary pallets, provided by a buffer station.

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Facts high bay warehouse

- 5-aisle high-bay warehouse 70 x 40 x 29 m (L x W x H)
- 5 aisle-bound stacker cranes in single mast design with telescopic forks for double-deep storage
- 32 pallets per hour in and out of storage per stacker crane
- Connecting pallet conveyor system
- Fire protection and high-speed doors
- Controls technology interfacing with SAP EWM / MFS
- Plant visualization

The new high-bay warehouse for E. Hawle Armaturenwerke in Frankenmarkt went into operation in May 2021.

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