



Automated Storage and Retrieval System Helps Music Retailer Sing a Positive Tune

Features and Benefits

- From order to truck in 28 minutes
- 18,000 pallet locations
- 70,000 mini-load locations
- System can 'flex' for peaks

Industry Group: AS/RS

“For orders placed online, it is picked and in the truck 28 minutes later. In store customers can select their exact pick-up time on monitors in the store.”



65,000 SKUs for both store and online are stored in the AS/RS.

Europe's biggest musical instruments mail order business and retail store houses more than 65,000 SKUs for both store and online customers. Musical goods are prepared and shipped from an automated mini-load and pallet warehouse that services both retail and online orders.

If you place an order online, it's on the truck 28 minutes later. Store customers looking for items not in the store can select the exact pick-up time on monitors in the store.

The mini-load warehouse contains 70,000 storage positions. Fast mover items are processed on a flow rack channel. Slow movers use goods-to-person pick stations.

Orders are transported via a sliding shoe sorter to packing workstations, where items are packed and sent to shipping.

The software controls include visualization and system monitoring, and assures that all single items of an order arrive at the sorter as quickly as possible. As there is no buffer, the software is responsible for all picking procedures to happen at the right time.

The sorter is the central collection and distribution point in the warehouse. The tote buffer with a capacity of about 150 totes supports the synchronization of the orders.

The sorter can also be used as high speed transfer, in addition to normal usage, so the facility can 'flex' for increased volume at peak times.



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