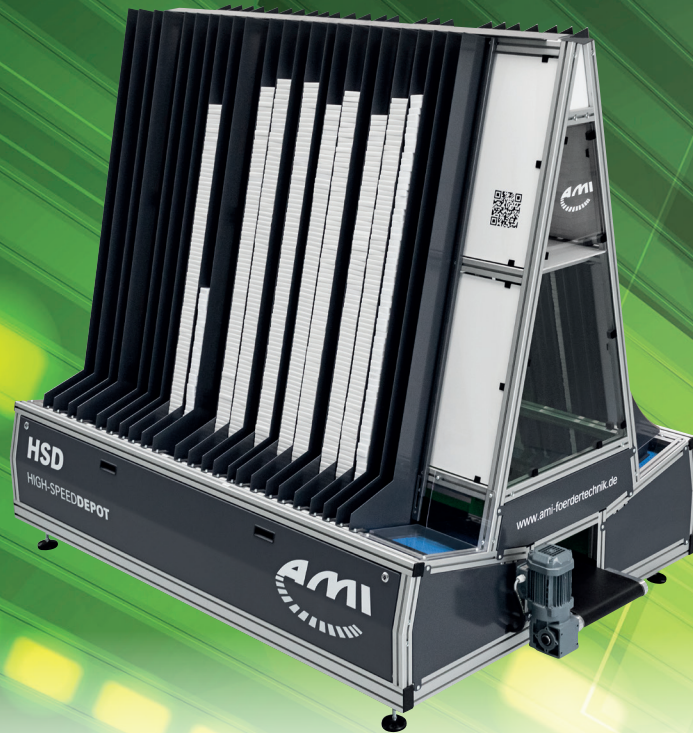


HIGH-SPEED DEPOT



FUNCTIONAL DESCRIPTION

The HIGH-SPEEDDEPOT is used for storing and picking goods in folding boxes. The articles are stored by type in so-called slots (shafts). The two storage zones are arranged in an A-shape. Between the two storage zones there is a conveyor belt to transport away the picked products. Below each storage level there is a pusher, which is mounted on a linear axis. The pushers shoot the packs from the respective slot onto the conveyor belt. The linear axis ensures that the pusher is placed accordingly under the slots to be picked. Empty storage locations are detected by intelligent sensor technology. The width of the slots is variably adjustable. The width adjustment is supported by an integrated scale. After a change in width by the user, the size change is automatically detected by a reference run. The maximum module length of the HIGH-SPEEDDEPOT is 2 metres. These modules can theoretically be lined up endlessly. The conveyor belt in the middle is consequently extended.

The intelligent control creates an imaginary picking field on the conveyor belt during the picking process. When the goods are assembled, a coherent order is shot into this field by means of the pushers. The picking field is dynamic according to the order size.

At the exit of the picking belt, further conveyor technology can be arranged and adapted to the respective requirements; for example, it can be adapted to store the goods in transport boxes and to process them automatically.

TECHNICAL DETAILS:

Up to 2 packages per storage zone can be picked per second.

- Height of slots: max. 1.500 mm
- Packing width: min. 50 mm
- Packing length: min. 50 mm / max. 180 mm
- Packing height: mind. 15 mm / max. 120 mm
- Maximum module length: 2.000 mm
- Minimum module length: 1.000 mm
- Raster module length: 250 mm
- Maximum weight per slot: 10 kg
- Number of slots per module: max. 2 x 28 pieces