

RFID multipicker – The E+P solution for Multi Order Picking



Fig.: Customer-specific configuration for 16 containers, including electrical drive.

The problem:

How to optimise picking?

The solution:

With the new RFID multipicker created by E+P!

The RFID Multipicker from Ehrhardt + Partner is a mobile Put-to-Light picking trolley with RFID technology for the parallel picking of up to 40 orders. It can be equipped with an electronic drive technology, which makes the trolley especially easy to handle and simple to operate.

Functionality:

Picking with the RFID multipicker:

The RFID multipicker is connected to the warehouse management system via radio frequency. After inserting the picking containers, they are identified by the RFID multipicker with the help of integrated RFID tags and automatically allocated to the picking orders. The warehouse management system assigns the picker driving orders for the retrieval locations via the touch full screen of the RFID multipicker. As soon as the picker arrives at the predefined bin location, the address label is scanned with the barcode reader of the RFID multipicker and sent to the warehouse management system for confirmation. When the bin location is correct, the quantities to be released are sent to the RFID multipicker and displayed on the LED displays installed above the picking container (Put-to-Light). Directly after taking the predefined item quantity out of the bin location, the picker confirms the completion of the retrieval order.

After completing all picking orders, the RFID multipicker is directed to goods dispatch and the picking containers are taken off the RFID multipicker. An RFID desk top reader assures that the picking containers released cannot be exchanged during the following processes. This guarantees a permanent tracing of the picked orders throughout the whole picking process.

Advantages:

- Simplification and acceleration of picking
- RFID tag technology avoids an exchanging of containers
- Parallel processing of up to 40 orders
- Significant reduction of picking mistakes through numeric displays (Put-to-Light)
- Clear increase of picking accuracy
- Permanent tracing of the picked orders

Range of application:

Optimised picking of small parts and documents.

Example insurance company HUK-COBURG: the RFID multipicker is in use for the picking of forms, brochure material etc. for supplying the subsidiaries.

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Configurations:

Different models with up to 40 picking containers are available as a standard. If required, we can also equip customers' picking trolleys with this technology. Individual fabrications can be produced as well.



Technical data:

(Configuration like in the figure)

Dimensions:	1796 x 1400 x 600 mm (W x H x D)
Container dimensions:	330 x 200 x 420 mm (W x H x D)
Empty weight:	ca. 300 kg
Loading capacity:	500 kg
Working temperatures:	5 °C – 50 °C
Drive:	electronic
Operating time of the battery:	ca. 8 – 10 hours
Interfaces:	PS2, USB, Ethernet, RS232
Radio frequency communication:	WLAN, IEEE 802.11a/b/g