

KRONES EOP-A

The automatic order-picking system



 **KRONES**

Zero-error order picking

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With the current trend to greater diversity of items, shorter order cycles and smaller order quantities per item, order picking is becoming more and more time-consuming. Manual order-picking systems soon reveal their limitations under these conditions, and the heavy physical labour, increasing staff requirements and high error rates on top of increasing costs detract markedly from results.

Keeping up with current market trends is easy with the automatic Efficient Order Picking System from KRONES – or EOP-A for short – a system that has been developed specifically for the needs of the food and beverages industry. It is available around the clock and handles a vast array of packaging materials and pallet types, which it assembles into error-free mixed pallets.

How does the EOP-A perform?

On a typical line, the EOP-A picks approx. 250 to 750 items at a rate of around 2,500 to 5,000 packs per hour.



Flexible order picking and reliable distribution

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To ensure that the EOP-A fits seamlessly into your operations, it is adapted to your individual requirements. This is possible due to its modular construction, comprising function units and mechanical components which permit all kinds of variations and scaling. Once installed, the system single-handedly completes all order-picking tasks which were previously performed with painstaking "manual labour".

The individual tasks performed are:

- depalletising of entire pallets
- buffering of packs
- calling-off of pack sequences
- palletising of sequences for mixed pallet orders

And because full automation isn't the best solution for every business, the EOP-A functions just as smoothly in a combination of automated and manual components.

Whether you use a partially or fully automated system, the effects will be as striking in either case. Not only will you rationalise your order picking with the EOP-A, but you will also see far greater improvement across your entire distribution process.



More efficiency for your processes

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So how does the EOP-A work? The system offloads the individual packs from the pallet and stores them in the pack buffer until they are sequenced and palletised specific to the order. This process is supported by dedicated optimisation software which analyses sales orders in detail and builds an ideal sequence for fulfilling them, thus ensuring maximum utilisation of the line.



- And the results speak for themselves:
- Effective just-in-time picking
 - Optimum synchronisation of shipping processes
 - Improved "Direct Store Delivery" picking
 - Reduction in intensive physical labour
 - Reduced handling costs



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Delivering more quality for your customers

The EOP-A's performance will mostly become apparent to your customers through the high quality of deliveries they receive. That's because the system buffers the packs according to the first-in first-out principle, records the goods despatched, calculates stock levels in real time and checks the loading, thereby consigning picking and delivery errors to history. Instead, your customers will receive fresh goods in the correct quantity packed on accurately picked mixed pallets.

What is more, as the pallets and packs are tracked seamlessly using batch information, any product recall will always be a targeted and smooth operation.



KRONES AG
Böhmerwaldstraße 5
93073 Neutraubling
Germany

Phone +49 9401 70-0
Fax +49 9401 70-2488
E-mail info@krones.com
Internet www.krones.com

 KRONES