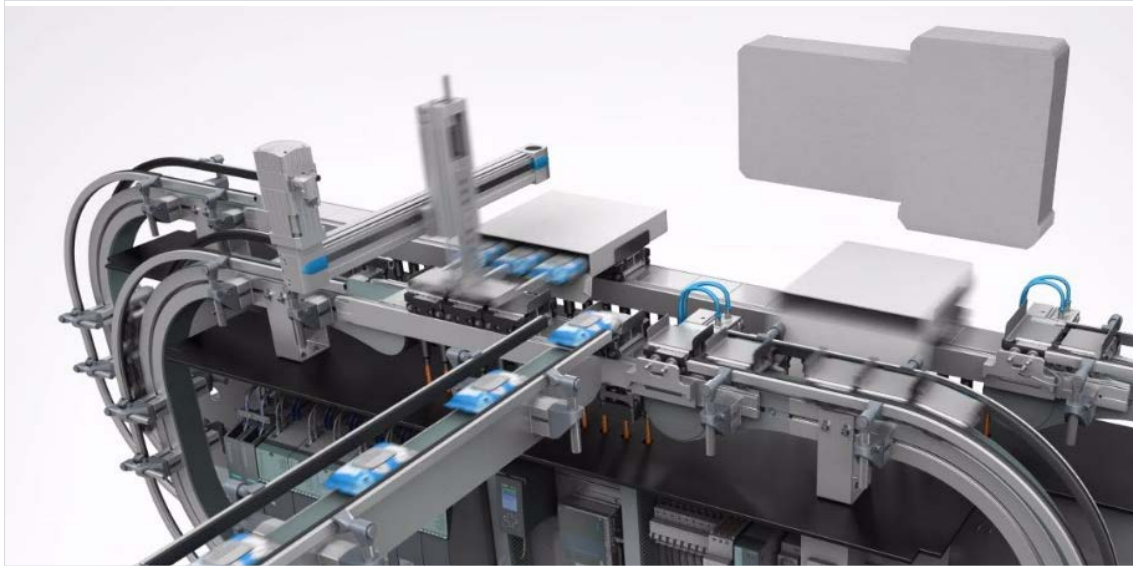


Flexibility in packaging with the Multi-Carrier-System (MCS®): Side loader example



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Highlights

- High degree of flexibility
- Format change at the push of a button
- Reduced installation work

Project idea

The innovative machine concept enables continuous processing of different packaging formats on one line.

The format is selected in the software at the push of a button and the different box sizes and required number of products are set directly in the MCS® using the freely positionable carriers.

Requirements

- Fast format changeover
- Short retooling times
- Simple set-up
- Compact and easy to install

Solution

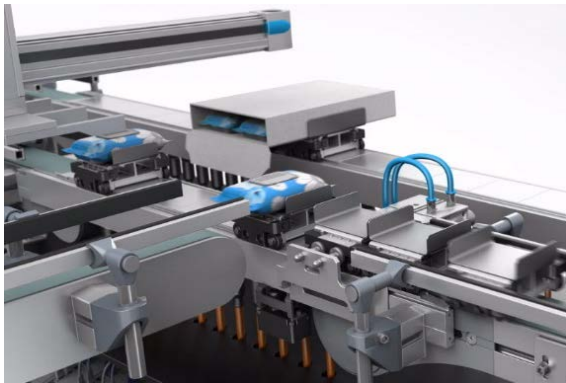
Two Multi-Carrier-Systems

Side loader consisting of electric and pneumatic automation components:

- Electric axes
- Motors
- Actuators

Flexibility in packaging with the Multi-Carrier-System (MCS®): Side loader example

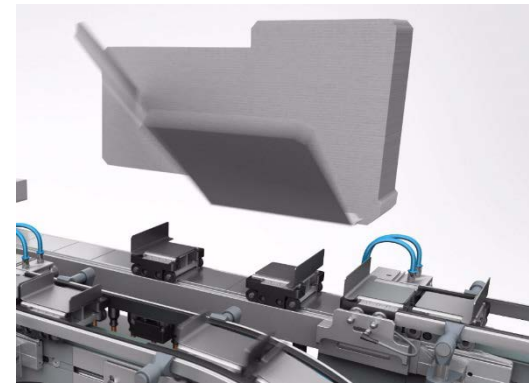
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The products to be packaged are transported flexibly to the side loader via the MCS®.



A handling system fills the boxes. The unit consists primarily of an electric axis with motor and a pneumatic mini slide for the Z-stroke.



Two carriers hold the box to be loaded. Thanks to the freely positionable carriers, different formats can be transported without any problems.

Solution highlight



The Multi-Carrier-System

- High flexibility: infeed and ejection of carriers without additional transfer couplings
- Simple integration: use of existing intralogistics
- Flexible operation: free and individual setting of acceleration and speed, grouping and synchronised movement of multiple carriers
- One control system for everything: control of the Multi-Carrier-System and other machine modules
- The system structure combines a modular software structure with optimal hardware
- High dynamics and speed: combined with a high carrier payload

