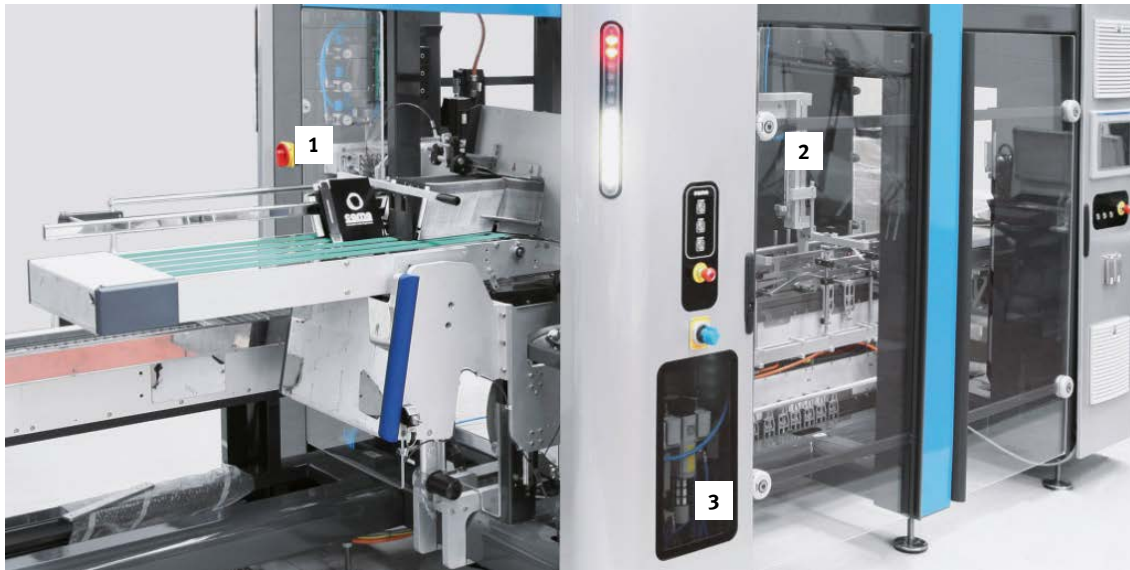# "Breakthrough Generation" - compact packaging machine

FESTO

Highlights

- Reduced space requirement (footprint) of the system – without external control cabinet

- Clever mix of electric and pneumatic drive technology

- Machine safety: soft-start/quick exhaust valve MS6-SV reliably protects against unexpected start-up

- Increased efficiency: significantly fewer and shorter cables and tubing to be connected

Customer

The Cama Group is an Italian company whose core business is the engineering and production of complete high technology systems and machines for secondary packaging.

Project:

Side loader, CAMA CL 175

Requirements

- Minimal space required
- Flexibility
- Machine safety

Solution

1 Low space requirement thanks to terminal CPX

2 Automation mix for flexible loading: electric (EGC) and pneumatic (DGSL)
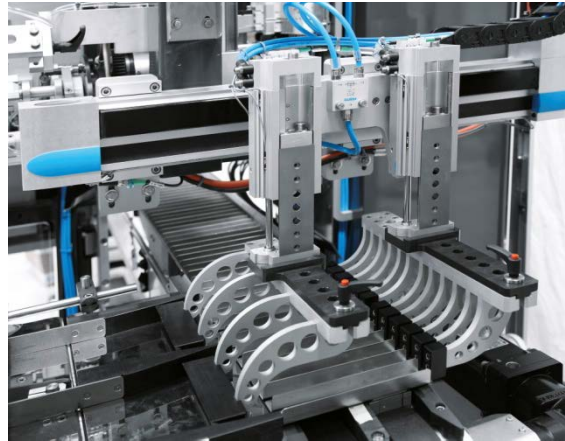
3 Safety function: MS6-SV

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Low space requirement

Fewer cables and less tubing: the terminal CPX reduces installation time and space by approximately a third.

Flexible loading

A side-loader fills the boxes. The unit consists primarily of an electric axis EGC for precise travel to intermediate positions and the pneumatic mini slide DGSL.

Safety function

Safety valve MS6-SV for reliable and fast exhaust of systems with integrated soft-start function. Additional feature: monitoring operating pressure using a pressure gauge with red/green scale for improved overall system efficiency.

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Toothed belt axis EGC-TB

- Dynamic and fast
- Profiles with an optimised cross section for maximum rigidity and load capacity
- Motor can be attached on 4 sides, freely selectable

Pneumatic mini-slide DGSL

- Unique in many areas: Precision and load capacity
- Compact design
- Easy to install
- Versatile combination possibilities

Terminal CPX

- Electrical protection class IP65
- Maximum function integration for complete applications
- Falling installation costs and rising productivity
- Decentralised and networked intelligence with embedded CODESYS controller
- Industry 4.0 thanks to OPC UA and CODESYS control V3

Soft-start/quick exhaust valve MS6-SV

- Redundant system for the "safe exhaust" function
- Up to Performance Level e
- Function integration: on/off function, soft-start function, switching status sensing and diagnostic function built in
- Also available with direct AS-Interface connection