

Minced meat automation with CFS Flexloader



Target group:

- Industrial customers

Field of applications:

- Automation of minced meat production

Description:

This production line solution is designed to further automate the minced meat production process – Portioning – Grouping – Depositing in thermo-forming or other packaging machines.

The CFS FlexLoader picks up portions of minced meat from the upstream Handtmann minced meat production line up to a width of 250 mm and automatically loads them into a thermo-former. The minced meat portions coming in one lane from the Handtmann GMD 99-2 are detected by the FlexLoader by means of laser beam sensors and are pre-grouped in rows by the first retraction belt onto a second retraction belt.

The minced meat portions which have been pre-grouped in line with the configuration of the thermo-former are then deposited in the thermo-forming machine when the second belt retracts. The FlexLoader is synchronised with the Handtmann minced meat production line and the downstream packaging machine by means of signals.

Advantages for the customer:

- Accurate weight portioning with Handtmann VF 600 and minced meat portioner GMD 99-2.
- Clear product appearance due to integrated Handtmann inline grinding technology.
- Precise grouping of the minced meat portions with CFS FlexLoader.
- Multi-lane depositing of the minced meat portions with CFS FlexLoader.
- Simple operating concept due to synchronisation with up and downstream units.
- Optimum level of hygiene due to selection of appropriate materials and a hygiene-based design (all surfaces can be wiped clean).
- Ideal product positioning facilitated by portion monitoring by the intelligent distance measuring system.
- Easy to switch to another format configuration by selecting the saved product programmes.
- Quick and easy to clean due to excellent accessibility and belt change without the need for tools.
- Simple maintenance facilitated by pneumatic tensioning and loosening of the belts.
- Flat products can be shingled or stacked either lengthwise or crosswise.
- Reduction of spare parts costs due to 4 identical servo drives for belt and carriage.

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Technical data

Depositing capacity	Depositing capacity max. 120 portions/minute with a portion weight of 1,500 g (depending on the format and the portion lengths)
Product data	
Height	up to 80 mm
Length	up to 600 mm
Width	up to 250 mm
Portion weight	up to 2,500 g
Equipment data	
Handtmann	VF 620, VF 622 or VF 628 GD 93-3 inline grinding system (alternatively GD 93-6) GMD 99-2 minced meat portioner FlexLoader
CFS	