handtmann
Ideas for the future.

FS 530 FORMING SYSTEM

System solution for the multi-lane production of co-extruded, filled formed products.

The FS 530 forming system allows the multi-lane production of filled products with both closed and open ends in calibers 15 to 100 mm. The content of the inner filling can be up to 25 %. Thanks to servo technology, positioning of the weight-accurate filling is always exactly in the center, regardless of whether the filling is pasty, chunky, or soft. Thanks to multiple lanes, production capacities of up to 72,000 portions per hour can be achieved. The FS 530 is thus optimally suited for medium-sized and industrial producers who focus on product variety and flexibility.

ADVANTAGES

- High economic efficiency thanks to a efficient production process with high cycles times
- Maximum process reliability thanks to safe closing of filled products using state-of-the-art hole plate technology
- Cost reduction due to uncompromising weight accuracy of the products
- Product variety in premium quality and appearance possible
- Modular and flexible system solution

MAXIMUM PRODUCT VARIETY

The servo-driven FS 530 forming system with master VF for the outer product and slave VF for feeding and dosing of the inner product offers the production of filled products with closed or open ends onto 4 or 6 lanes. It is particularly suited for the gentle and efficient processing of a variety of products, including meat, fillings, vegetarian and vegan options, meat substitute, dairy, confectionery and pet food. In combination with options such as flattening belt and structuring roller, the hole plate system further extends the range of applications and offers additional variety of product and shape.

COST REDUCTION DUE TO UNCOMPROMISING WEIGHT ACCURACY OF THE PRODUCTS

Thanks to servo technology, accurate-to-the-gram product weights are achieved, while minimizing give-away and significantly cutting production costs.

PREMIUM QUALITY AND APPEARANCE

The particularly gentle feed and co-extrusion principle ensures first-class product quality and appearance even for fillings of different viscosities, such as chunky, pasty, or soft.

MAXIMUM PROCESS RELIABILITY AND PRODUCT SAFETY

Our sophisticated and optimally synchronized system technology provides for continuous processes and consistent production reliability at all times.

BASIC EQUIPMENT

- 4-lane version (15 to 76 mm) or 6-lane version (15 to 56 mm)
- Master VF 800 (X40+X54+X30); slave from VF 620 (X54+X30)
- Control via VF
- CE protective cover
- 2 FST 546 servo-driven flow dividers
- Servo-controlled valve technology for inner filling
- Standard tubing
- 2 safety valves, 25 bar
- Cleaning tools for easy cleaning of tubes
- Belt width 650 mm
- Belt scraper

OPTIONS

- 650 mm flattening belt, adjustable in height/retrofittable
- Pyramid, line structuring
- Water spraying device for belt/forming set
- Forming set, tempered, 15 to 76 mm

TECHNICAL DATA	
Lanes	4 or 6 lanes
Performance	Up to 200 cycles/min (with Coex function) Up to 250 cycles/min (without Coex function)
Forming technology	2-way perforated plate system
Percentage of inner filling	Up to 25%
Product sizes	Product diameter: 15–76 mm (before the plates)
Technical prerequisites of the vacuum filling machine	Master VF 800 with PCK4/ PCM: X40, X30, X54 Slave from VF 620 with PCM/ PCK3/ MC3: X30, X54
Connected loads	400 V, 50 Hz, 3.5 kW
Conveyor belt	Conveyor belt width: 650 mm