



FS 520 FORMING SYSTEM

6 to 8-lane process for products in 3D shapes onto conveyor belt, tray or rack

- **FIRST-CLASS PRODUCT QUALITY** due to rotating hole plate system
- **WIDE RANGE OF SHAPES** extended further thanks to flattening belt or structuring roller
- **FLEXIBILITY** due to choice of producing either onto a conveyor belt, tray or rack
- **HIGH PRODUCTION OUTPUT** with up to 250 cycles per minute
- **HIGH ECONOMIC EFFICIENCY** due to less raw material give-away
- **MAXIMUM WEIGHT ACCURACY** per lane and product due to servo-driven flow divider
- **RATIONALISATION** due to continuous production
- **EXCELLENT HANDLING** due to operator-friendly ergonomics
- **COST SAVINGS** due to low maintenance costs and easy cleaning

Industrial production with the FS 520

Forming with hole plate system onto conveyor belt or rack

The FS 520 forming system is designed for the 6 to 8-lane, fully automatic production of a wide variety of 3D product shapes. Fields of application are meat, convenience, dairy/cheese, fish, vegetable/vegetarian products, etc.

PRODUCT EXAMPLES formed products

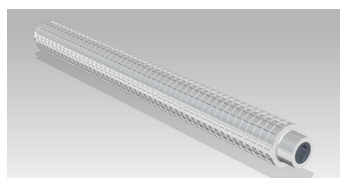
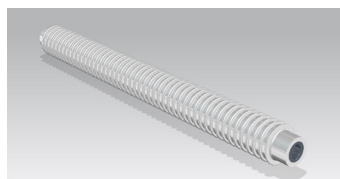
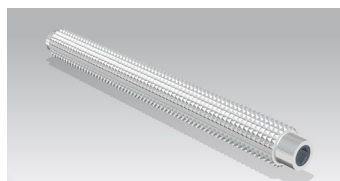
Minced meat balls, potato products, dumplings, cevapcici, soup add-ins, dough products, falafel balls, dry sausage balls, meat substitute balls

PRODUCT EXAMPLES flattened products

“Homemade” burgers, oval burgers, fish rissoles, vegetable burgers, rissoles, mini rissoles, falafel burgers

The process

The filling product is fed to the flow divider by a vacuum filler. The active servo-driven flow divider ensures precise rotor speed in the flow divider. The result is a continuous product flow without pressure fluctuations, and thus more accurate final weights. The flow divider ejects the filling product in multi-lane filling flows via mould components. The product shape can be shown on the screen and the process parameters can be calculated via the vacuum filler control system. The rotating hole plate system forms the products into the required 3D shape. The shape can be changed by simply switching a few mould components. The conveyor belt for transporting the products or for transferring them to downstream systems can be removed easily and quickly for cleaning.



PERFORMANCE PARAMETERS

- FST 546 flow divider with servo drive, 6 or 8 lanes
- Forming module with servo drive integrated on machine base
- Rotating hole plate system
- Product diameter up to 100 mm (correspondingly larger when flattened)
- Conveyor belt with servo drive: Width 650 mm
Height 990 to 1,140 mm

OPTIONAL ACCESSORIES

- Flattening belt for burgers with a flattening height of 10 to 55 mm (speed is adaptable to product thanks to the dedicated drive)
- Structuring rollers for different product surfaces
- Inline grinding system in the VF for even further improvement of the product quality
- HDS digital options in the VF, such as HCU software for central production control, provide added value

PRODUCTS AND APPLICATIONS

