



# Maximum performance for maximum taste

The FS 1450 offers not only unrivaled precision for convenience food filling, but also maximum automation for exceptionally high output rates.

# FS 1450

- ✓ Up to 800 portions/min
- ✓ Walking beam
- ✓ Wet cleaning
- ✓ Outstanding seal quality
- ✓ Maximum automation

The FS 1450 is a high-performance machine for the precision filling of solids, powders, liquids and pastes. Based on the design of the popular FS 1100, the FS 1450 is in operation all over the world in high-output production plants.

The FS 1450 caters provides 8 to 16 lanes and 45 to 50 cycles/min, filling up to 800 containers per minute. As it can process containers of virtually any material and shape, the FS 1450 is particularly suitable for convenience food products as well as pet food. Thanks to maximum automation, there is virtually no operator intervention required.

One of the many unique features of the FS 1450 is the transport system with a walking beam that prevents product spillage inside the machine. The FS 1450 therefore meets the most stringent hygiene standards. Although the open design facilitates wet cleaning, this is rarely necessary.

Like all linear inline machines from Rychiger, the FS 1450 has a modular design and is thus flexibly extendable. Its core modules include the punching and sealing module for perfect seal quality.

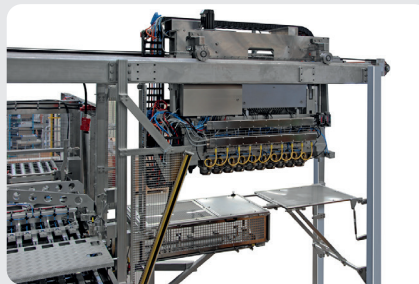


## Details



### Sealing

We combine the best positioning of the lid to the can with perfect sealing quality.



### Format change

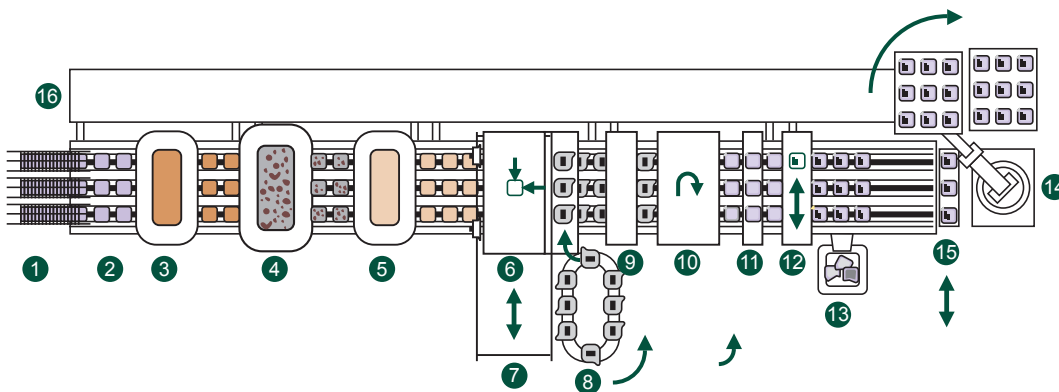
The mold is completely extendable for easiest maintenance and format change.



### Quality control

The FS 1450 controls product quality inline in various process modules.

# Process illustration



- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>1 Container magazine</li> <li>2 Destacker in «Walking Beam» transport system (beam construction)</li> <li>3 Product filler 1 with integrated container lift</li> <li>4 Product filler 2 with integrated container lift</li> <li>5 Product filler 3 with integrated container lift</li> </ul> | <ul style="list-style-type: none"> <li>6 Heat sealing unit with lid feed from magazine (headspace gas flushing)</li> <li>7 Automatic sealing beam lift system with side retractability</li> <li>8 Automatic filling of lid magazine from carousel</li> <li>9 Vision system</li> <li>10 Container inverter with integrated tab bender</li> </ul> | <ul style="list-style-type: none"> <li>11 Check weigher (single-lane drive)</li> <li>12 Ink-Jet</li> <li>13 Reject-System (single-lane drive)</li> <li>14 Pick-and-place system</li> <li>15 Sampling Drawer</li> <li>16 Drives and components (separated from process area)</li> </ul> |
|---|---|--|

## Technical data FS 1450

The technical data might vary, depending on the container dimensions and shapes, the product to be filled, the machine configuration and material specifications.

Outer unit diameter	Unit height	Number of lanes	Cycles/min	Output/min	Output/h
60 mm	55 mm	16	50	800	48'000
90 mm	55 mm	12	50	600	36'000
115 mm	55 mm	9	50	450	27'000
130 mm	55 mm	8	45	360	21'600

Size	Weight	Connected load	Rated power	Compressed air	Cooling water
Depending on machine design	12'000 kg	3 x 400 V / 50 Hz 3 x 460 V / 60 Hz	30 kW - 60 kW	≥ 5 bar 10 l/min	3 - 5 l/min