

High performance – portion by portion

The FS 1100 has been designed for the filling of convenience food and pet food. It is able to process up to 600 units per minute, maintaining excellent hygiene standards and requiring only minimum downtimes for cleaning.

FS 1100

- ✓ Up to 600 portions/min
- ✓ Walking beam
- ✓ Wet cleaning
- ✓ Outstanding seal quality

The FS 1100 stands for high precision and exceptional output in the filling of powders, liquids, pastes and solids. First launched more than ten years ago, the FS 1100 is in operation all over the world – and Rychiger is continuously adding new features and functionalities.

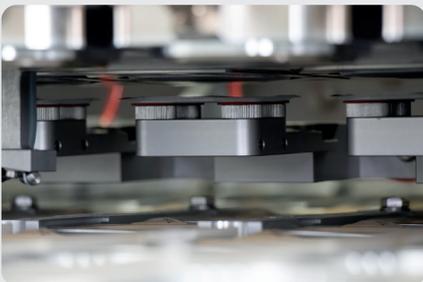
The FS 1100 caters to 6 to 12 lanes and 45 to 50 cycles, filling up to 600 containers per minute. As it can process containers of virtually any material and shape, the FS 1100 is particularly suitable for convenience food products as well as pet food. Of a very similar design are the FS 1450 for even higher output rates and the FS 800 entry-level model.

One of the many unique features of the FS 1100 is the transport system with a walking beam that prevents product spillage inside the machine. The FS 1100 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 1100 has a modular design and is thus flexibly extendable. Its core modules include the punching and sealing module for perfect seal quality.



Details



Lid transfer

The lid is transferred directly into the sealing tool with perfect positioning on the can.



Press on tab

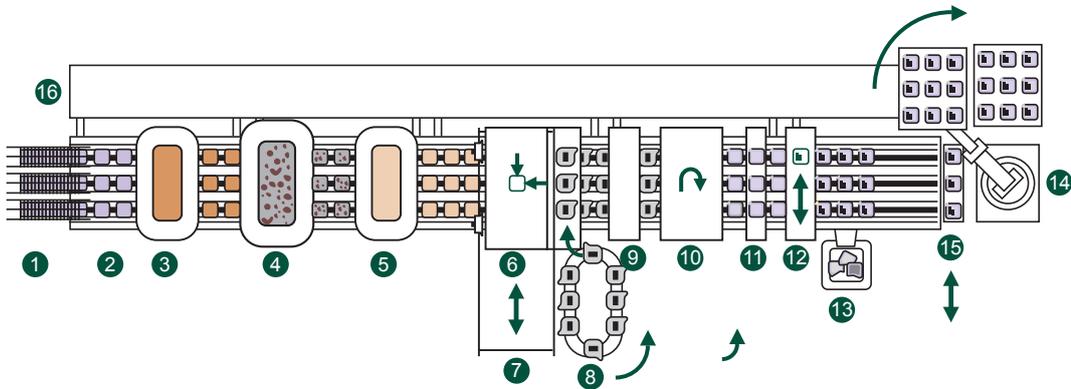
Positively guided can turning enables reproducible follow-up operations.



Can turner

After a turn in the can turner, the flap presser bends the flap under the edge.

Process illustration



- 1 Container magazine
- 2 Destacker in «Walking Beam» transport system (beam construction)
- 3 Product filler 1 with integrated container lift
- 4 Product filler 2 with integrated container lift
- 5 Product filler 3 with integrated container lift
- 6 Heat sealing unit with lid feed from magazine (headspace gas flushing)
- 7 Automatic sealing beam lift system with side retractability
- 8 Automatic filling of lid magazine from carousel
- 9 Vision system
- 10 Container inverter with integrated tab bender
- 11 Check weigher (single-lane drive)
- 12 Ink-Jet
- 13 Reject-System (single-lane drive)
- 14 Pick-and-place system
- 15 Sampling Drawer
- 16 Drives and components (separated from process area)

Technical data FS 1100

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
55 mm	110 mm	12	50	600	36'000
90 mm	110 mm	8	50	400	24'000
115 mm	110 mm	6	50	300	18'000
130 mm	110 mm	6	45	270	16'200

*For pre-punched lids, the unit height measures 85 mm.

Size	Weight	Connected load	Rated power	Compressed air	Cooling water
Depending on machine design	10'000 kg	3 x 400 V / 50 Hz 3 x 460 V / 60 Hz	25 - 50 kW	≥ 5 bar 10 l/min	3 - 5 l/min