

FILLING AND SEALING MACHINE FOR MIDDLE PERFORMANCE



The Rychiger FS 680 fills and seals prefabricated portion packs of all kinds. The machine, designed for wet cleaning, comprises a modular design which can be configured according to individual products, packaging materials and process requirements. Rychiger's unique sealing technology guarantees the highest seal integrity with the easiest peelability.

Sealing Module

- Heat sealing or ultrasonic technology
- Ultra-precise, free-standing module with closed force flow
- Defined lower sealing tool, decoupled from transport slats
- Individual tools generate highly precise sealing pressure
- Individual temperature control of each tool
- Servo-mechanical driven knee-lever sealing system
- Automatic sealing beam lift system for easy accessibility

Punching and Sealing from Roll Stock

- Punching and sealing in a single step (One-Stroke technology)
- Various punching dies for aluminium and plastic foils
- Specialized Rychiger foil guide: 15-30% less material consumption compared with other systems

Sealing of Pre-Cut Lids

- Lid feed from magazine directly into sealing tool
- Lids vacuum fixed on sealing tool
- Absolute centred sealing of lid and container

Transport Module

- Robust basic module of adaptable length
- Separation of process area and drives (beam construction)
- Slat transport on high-precision and maintenance-free chain
- Servomotor driven transport system
- Free choice in positioning of all functions
- Optional: Mirrored machine execution

Container Destacking

- Versions with knife, sliding plates or screw destacker
- Manual or fully automatic loading to stacking magazines
- Option: Buffer system for autonomous production

Container Exit

- Pick-and-Place System
- Integrated reject-system

Product Filler

- Liquids
- Pasty/highly pasty products
- Chunky products
- Powdered products

Controls/Operation

- Touch screen with process visualization
- Permanent monitoring of all relevant process parameters
- Standard system from Allen Bradley or Siemens
- Other manufacturers on request

Optional Additional Functions

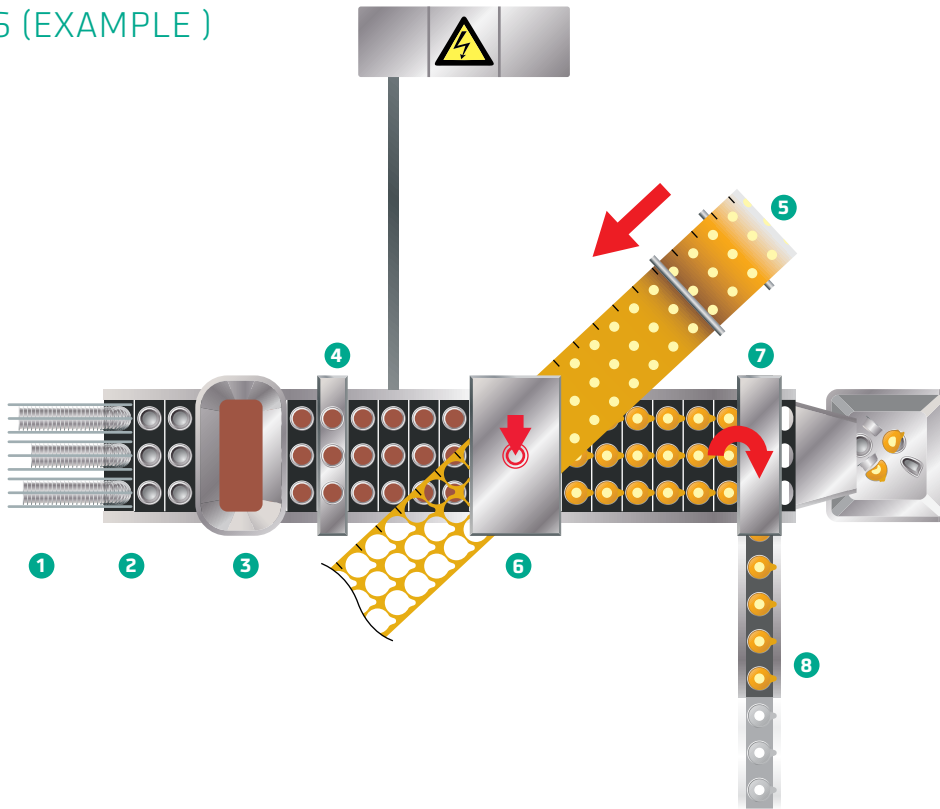
Seamless integration of further product-specific functions over standardized interfaces, e.g. robotics, inspection and camera systems, third-party filler, check weigher, container inverter, etc.

TECHNICAL DATA FS 680

Container Dimensions [mm]	Container Height [mm]	Lanes	Cycles [/min]	Output [/min]	Output [/h]	Weight [kg]	Voltage	Compressed Air	Cooling Water
ø 34	120	10	60	600	36 000	4000-10 000	3 x 400/460 V/ 50 Hz/60 Hz 12-25 kW	Min. 5 bar ~ 20 l/min	5-10 l/min
ø 34	120	10 x 2	55	1 100	66 000				
ø 44	120	8	60	480	28 800				
ø 44	120	8 x 2	55	880	52 800				
ø 65	120	6	60	360	21 600				
ø 65	120	6 x 2	45	540	32 400				
90 x 90	120	5	60	300	18 000				
ø 115	120	4	55	220	13 200				
ø 180	120	2	50	100	6 000				

Technical data can vary depending on container dimensions and shapes, filling goods, material specifications and line configuration.

PROCESS (EXAMPLE)



- 1** Container magazine
- 2** Destacker in slat transport (beam construction)
- 3** Product filler with integrated container lift
- 4** Check weigher with reaction coupling to product filler
- 5** Foil feed from roll stock
- 6** Punching and heat sealing station
- 7** Exit by pick-and-place with integrated reject system
- 8** Exit transport according to customer needs



Rychiger AG

Alte Bernstrasse 135
3613 Steffisburg
Switzerland

www.rychiger.com

T +41 (0)33 439 68 68
F +41 (0)33 439 68 88
rychiger@rychiger.com

Rychiger US Inc.

600 Spring Hill Ring Road
West Dundee, IL 60118
USA

T +1 (0)847 836 0612
F +1 (0)847 628 0708
us.service@rychiger.com