

PACKAGING DESIGN & TECHNOLOGICAL DEVELOPMENT

Our experience has shown that trusting your packaging ideas to Rychiger's competence in technology and solutions early in the development phase leads to the most efficient production processes possible in the industry.

- Optimization of capsule design with regard to industry capabilities
- Material recommendations
- Punching and Sealing trials
- Filling and Dosing trials
- Customer-specific technology development
- Prototype and pilot line construction

RYCHIGER SERVICES

Rychiger is highly valued for our specially tailored services and rapid on-site support. Our focus is on continually optimizing production processes and machine technology in step with any changes in packaging materials. Our motivated and qualified team of service engineers will ensure you get the best performance from your machine for many years.

AT THE RYCHIGER FACTORY

Spare parts

Supply and management of original spare parts

Helpline

Telephone support by our experienced service technicians

E-Service Portal

Internet-based customer service portal with the «Rychiger Tickets» and «Rychiger Wiki» systems for efficient cooperation and easy access to the latest documentation

Remote Support

Remote diagnosis and maintenance with secure VPN interface to machine control

ON-SITE SUPPORT

Support

Troubleshooting by Rychiger's expert service team

Inspection and Maintenance

Analysis of machine condition, revisions and maintenance with or without service contract

Training

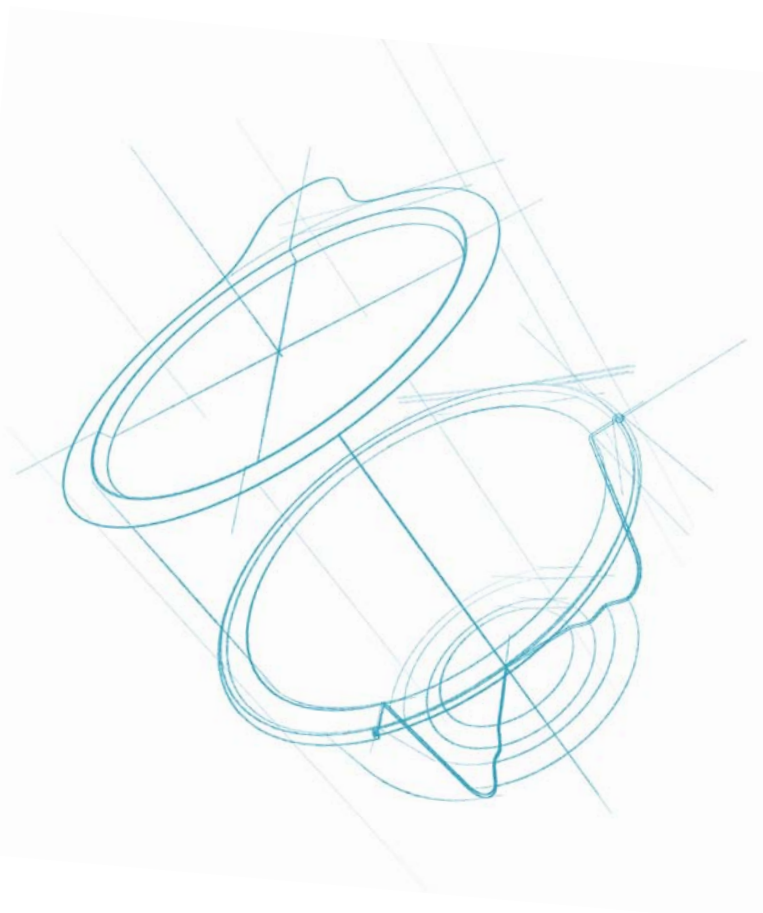
Operation and maintenance training for operators and technicians. Suited to level with practical orientation

Optimization

Analysis of downtime for improvement of efficiency through machine and process optimization

Retrofitting

Adaptation of your machine to new needs and technologies (e.g. format changes, wear resistance, performance enhancement, packaging materials, etc.)



SWISS QUALITY AND KNOW-HOW

Highly motivated employees, decades of experience in the development of top-class filling and sealing machines, the continuous development of new and

existing technologies, and our comprehensive services make Rychiger the ideal partner for companies in the pet food branch.

R&D Sealer



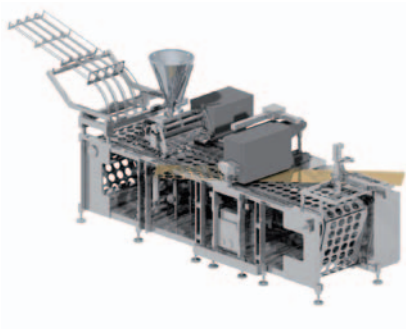
FS 200



FS 270



FS 680



FS 1100



FS 1450



TECHNICAL DATA

Machine type	Lanes 100 g [90 x 90 mm]	Lanes 300 g [115 x 115 mm]	Cycles /min	Output / h 100 g	Output / h 300 g
R&D Sealer	1	1	Manual	Manual	Manual
FS 200	2	2	30	3 600	3 600
FS 270	2	1	50	6 000	3 000
FS 680	5	4	60 / 55	18 000	13 200
FS 1100	8	6	50	24 000	18 000
FS 1450	10	9	50	30 000	27 000

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

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PET FOOD



Go for the world's leading
filling and sealing solution.

FILLING AND SEALING MACHINES FOR PET FOOD IN TRAYS

Rychiger AG of Switzerland is a leading international supplier of customer-specific filling and sealing machine solutions for pet food in aluminium and plastic trays.

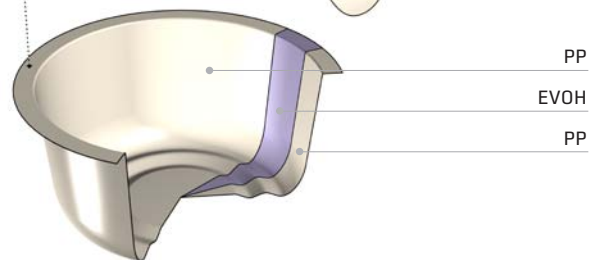
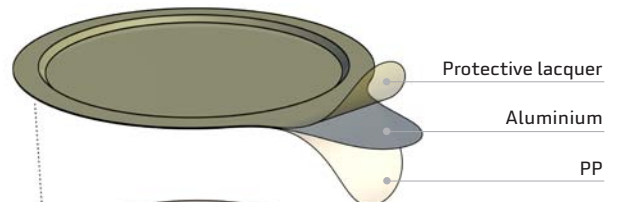
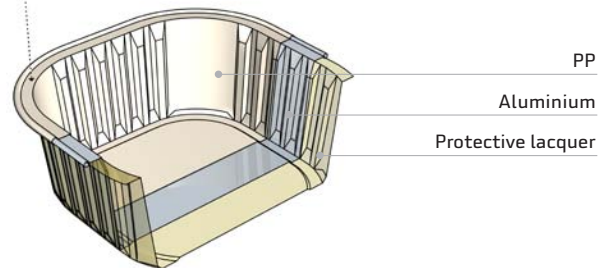
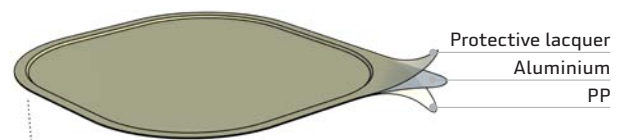
Our machines for portion packs are based on decades of experience and state-of-the-art technology. Since the 1970s we have made our mark on the industry as filling and sealing pioneers by repeatedly breaking new ground with our developments.

HIGHEST SEAL INTEGRITY WITH EASIEST PEELABILITY

For pet food packaging that demands the highest quality and reliability, seal integrity is among the most important factors and is crucial for the long-shelf of the product.

The exact coordination of sealing time, sealing pressure and sealing temperature along with a drop-free dosing process result in the highest possible sealing tightness and easiest peelability.

The combination of the most modern barrier materials and most precise sealing technology guarantees a securely sealed long-shelf life package that can be opened at any time with ease.



Hygienic modular machine construction

Our machines can be wet cleaned and meet the most demanding hygienic standards. They can be configured in any order to flexibly adapt to just about any product, packing material and process requirements.

- Robust basic modules of adaptable lengths
- Beam construction for leakproof and hygienic separation of process areas and drives
- Optimal accessibility for maintenance and service
- Highly precise «Walking Beam» or «slat» transport systems
- Servomotor drive
- Left- or righthand versions available on request

Product Filler:

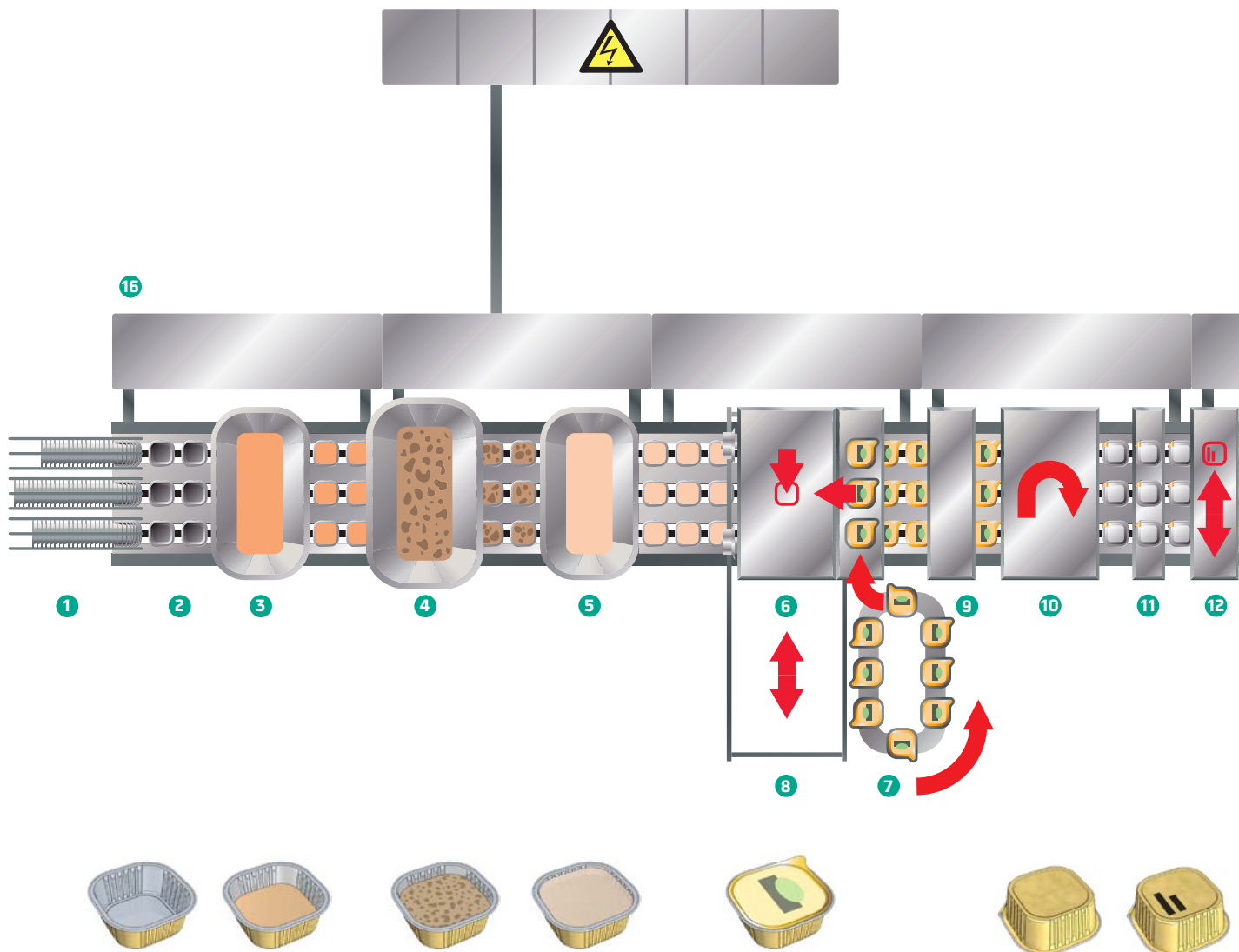
- liquids
- pasty/highly pasty products
- chunky products
- powdered products
- Other dosing systems, e.g. multi-head scales can be integrated according to customer needs

Additional optional functions:

Process-specific functions such as ...

- Headspace gas flushing and evacuation (MAP)
- Inspection and camera systems
- Check weigher with reject-system
- Container inverter with integrated tab bender

... can be seamlessly integrated over standardized interfaces.



Sealing Technology

- Heat sealing or ultrasonic technology
- Ultra-precise sealing station with closed force flow
- Servo-mechanically driven knee-lever sealing system
- Single tools with highly precise sealing pressure
- Individual temperature control of each sealing tool
- Identical sealing parameters on all lanes
- Automatic sealing beam lift system with side retractability for optimal accessibility

Sealing of Pre-Cut Lids

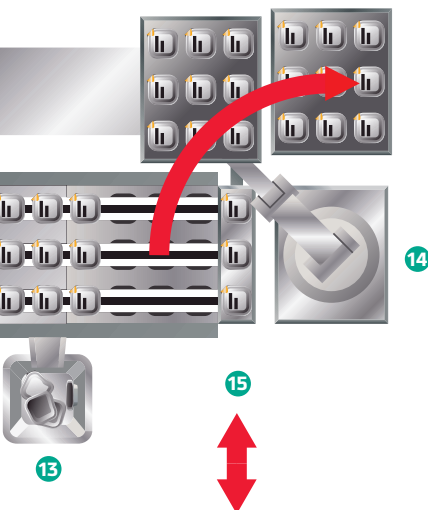
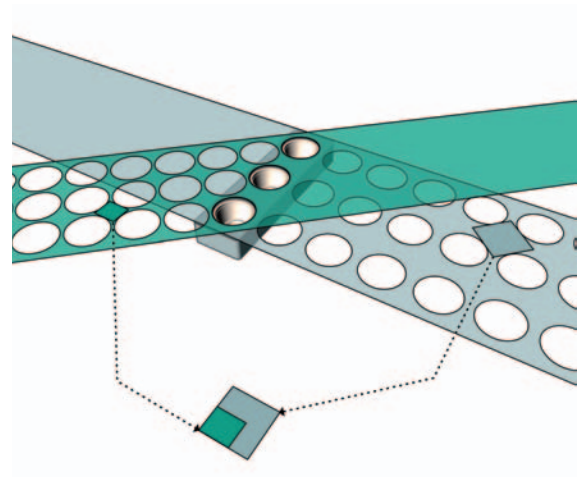
- Lid feed from magazine directly into sealing tool
- Absolute centred sealing of lid and container
- Automatic filling of lid magazine from carousel available on request

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

INTEGRATED SOLUTIONS

Our machines are constructed in modules. On request we can integrate all production steps in a single line - from fully automatic container feed to automatic loading of sterilization baskets.



PROCESS (EXAMPLE)

- 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
- 7 Automatic filling of lid magazine from carousel
- 8 Automatic sealing beam lift system with side retractability
- 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)