

RETORTABLE PACKAGING



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

FILLING AND SEALING MACHINES FOR FOOD AND PET FOOD

Rychiger AG of Switzerland is a leading international supplier of customer-specific filling and sealing machine solutions for food products in aluminium and plastic trays that offer long shelf life.

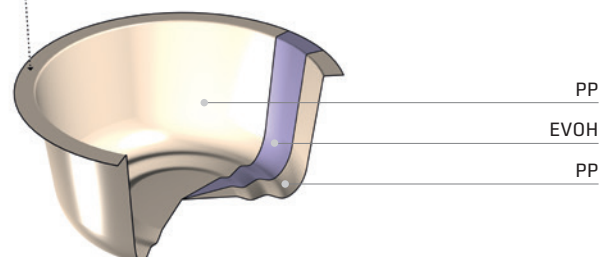
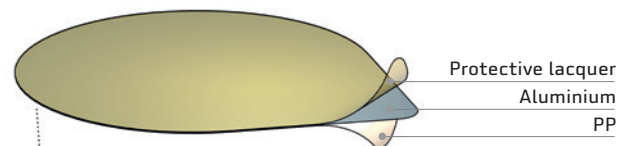
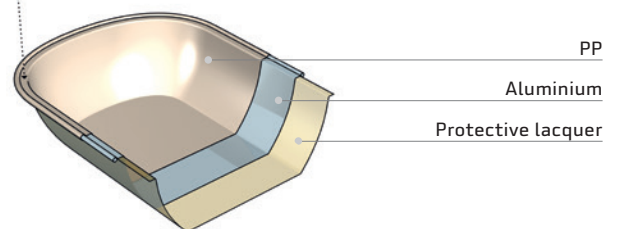
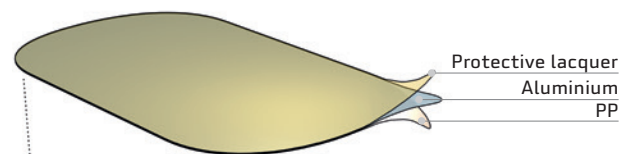
Our machines for portion packs are based on decades of experience and state-of-the-art technology. Since the 1970s we have made our mark on the industry as filling and sealing pioneers by repeatedly breaking new ground with our developments.

HIGHEST SEAL INTEGRITY WITH EASIEST PEELABILITY

For food and pet food packaging that demands the highest quality and reliability, seal integrity is the most important factor 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 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
- Optimal accessibility for maintenance and service
- Highly precise «Walking Beam» or «slat» transport systems
- Servomotor drive

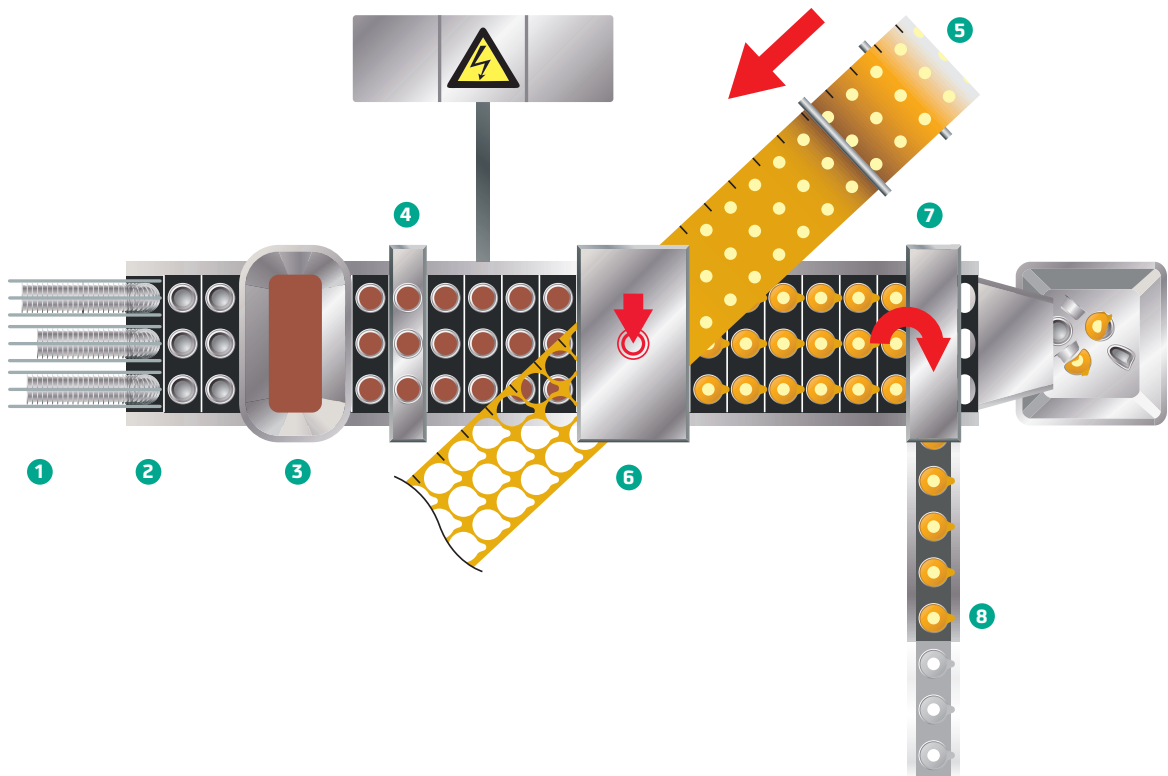
Product Filler:

- 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
- Pick-and-place system
- ... can be seamlessly integrated over standardized interfaces



Sealing Technology

- Heat sealing or ultrasonic technology
- Highly precise sealing station with closed force flow
- Servo-mechanically driven knee-lever sealing system
- Single tools with 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

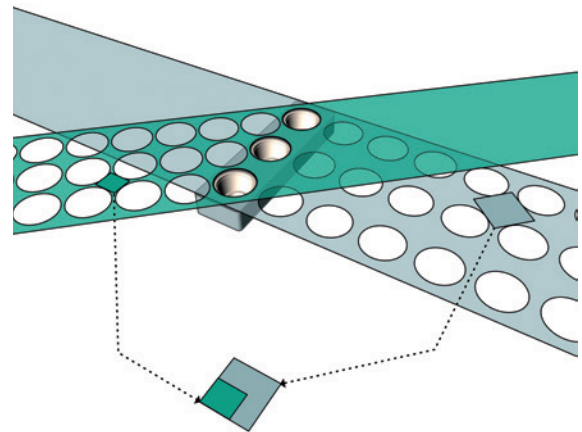
- Lid feed from magazine directly into sealing tool
- Absolute centred sealing of lid and container
- Automatic filling of lid magazine from carousel available on request

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 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

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 container design with regard to process reliability and 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

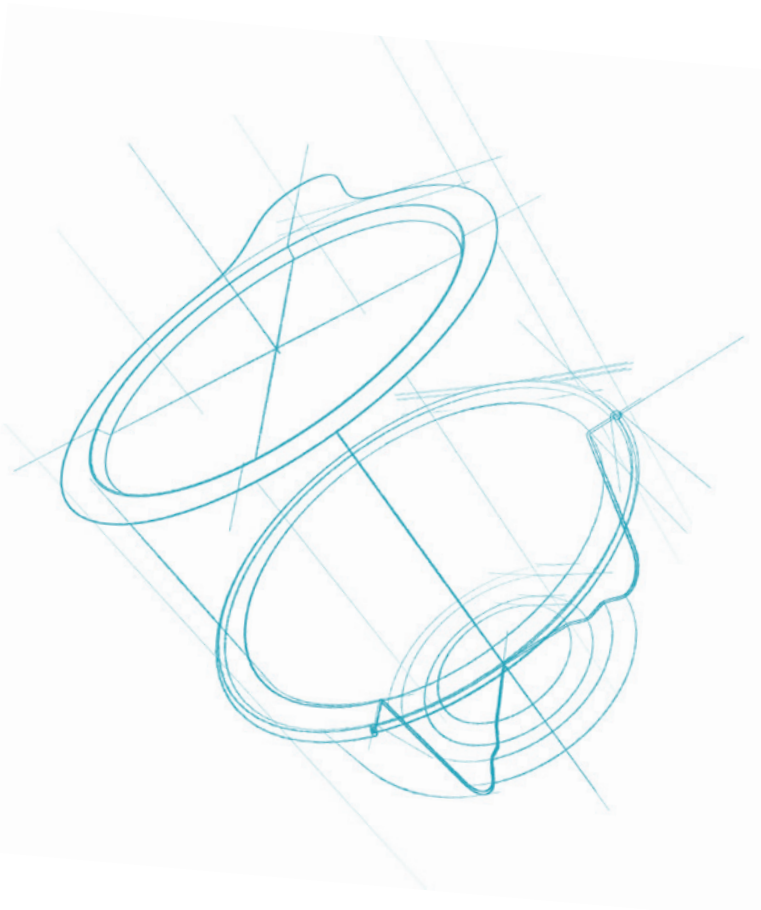
Operation and maintenance training for operators and technicians. Suited to level with practical orientation

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

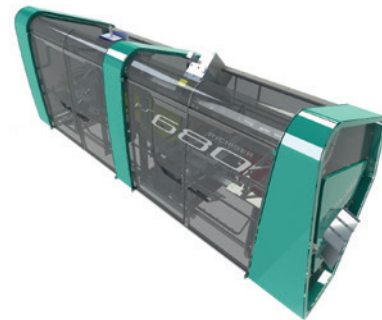
Highly motivated employees, decades of experience in the development of top-class filling and sealing machines, the continuous development of new and

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

RD 06



FS 680



FS 1100



FS 1450



TECHNICAL DATA

Machine type	Container Dimensions (mm)	Lanes	Cycles/min	Output/h
RD 06	Ø 10 - 170	1	Manual	Manual
FS 680	up to Ø 180	2 - 10	45 - 60	6 000 - 36 000
FS 1100	up to Ø 130	6 - 12	45 - 50	16 200 - 36 000
FS 1450	up to Ø 130	8 - 16	45 - 50	21 600 - 48 000

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

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