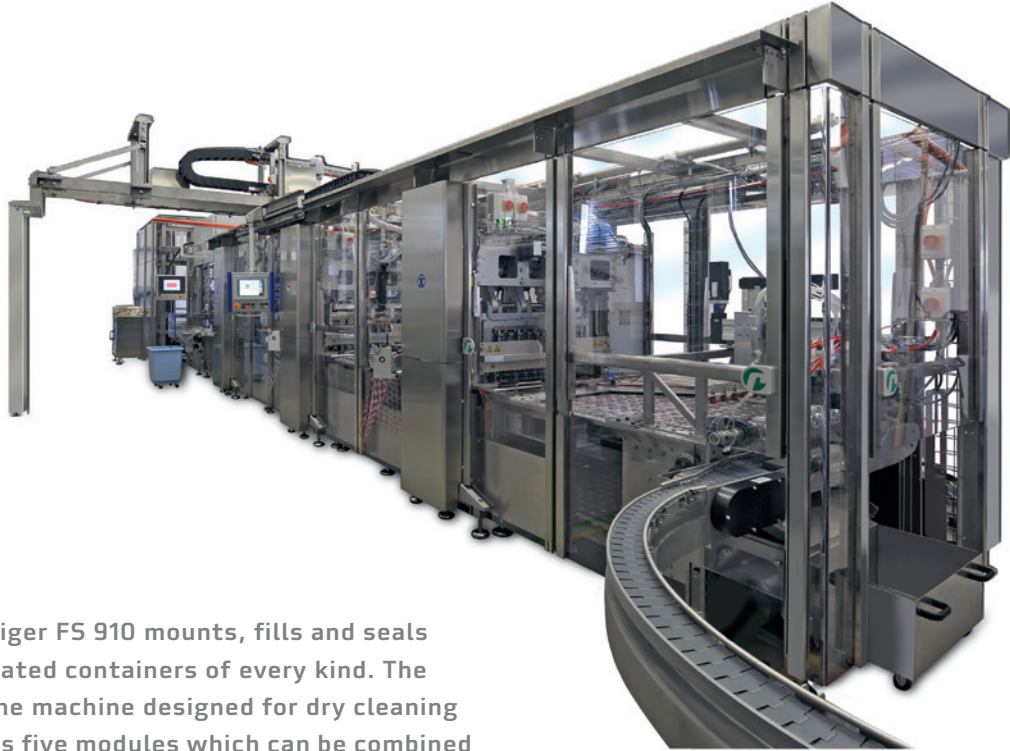


# FILLING AND SEALING MACHINE FOR THE HIGHEST PERFORMANCE



The Rychiger FS 910 mounts, fills and seals prefabricated containers of every kind. The core of the machine designed for dry cleaning comprises five modules which can be combined with additional modules or functions according to need. The FS 910 guarantees the highest process integrity thanks to a construction of standardized replicate components.

#### Transport Module

- Basic dimensions of adaptable lengths
- Container transport by slats on a maintenance-free, backlash-free timing belt
- Central servomotor drive
- Operator-friendly work height of 800 mm
- Free choice in positioning of functions
- Machine end with various exit options
- Option for integration of a gas-tight area for filling under inert gas

#### Container-Destacking Module

- Versions with knife, sliding plates or screw destacker
- Loading directly to stacking channel or by buffer system (autonomous up to one hour)
- Manual or fully automatic loading from carton box

#### Punching / Sealing / Welding Module

- Free-standing, self-sufficient module with closed force flow
- Punching and sealing in single step (One-Stroke technology)
- Heat sealing or ultrasonic welding from roll stock or magazine
- Integrated container and tool lift
- Lift and swivel tool mechanism for easy accessibility

- Separately mounted and controlled tools
- Individual temperature control of each tool
- Specialized Rychiger foil guide: 15-30% less material consumption compared with conventional systems

#### Filling Module

- Free-standing, self-sufficient module
- Dosing of dry products by volumetric augers
- Individual servomotor drive for each lane
- Operator-side extendable rail system for emptying and cleaning filler
- Simple integration of other product-specific dosing systems

#### Weighing Module

- Free-standing, self-sufficient module
- Piezoelectric weighing cell per each lane
- Reaction coupling to doser for automatic weight control
- Rejection of over- or underweight products

#### Controls

- Standard system from Allen Bradley or Siemens
- Other manufacturers on request

#### Assembly Automation/Additional Functions

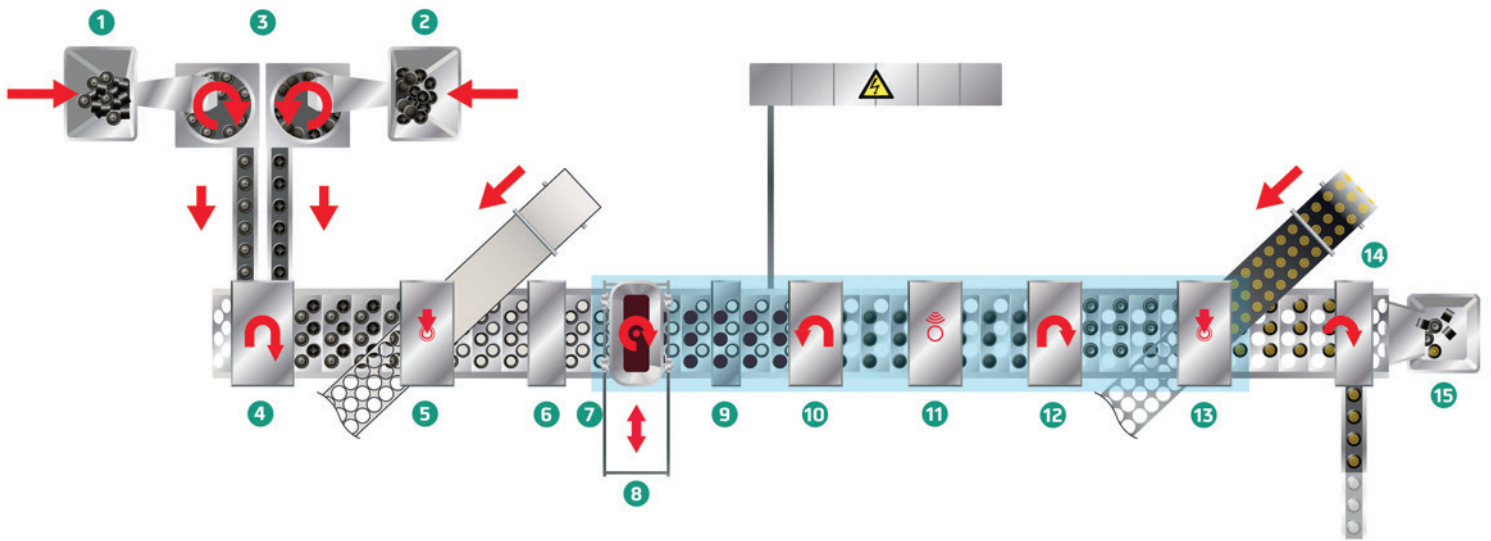
Seamless integration of further product-specific functions over standardized interfaces, e.g. robotic container mounting, inspection systems, third-party filler.

# TECHNICAL DATA FS 910

Container Dimensions [mm]	Container Height [mm]	Lanes	Cycles [/min]	Output [/min]	Output [/h]	Weight [kg]	Voltage	Compressed Air	Cooling Water
ø 37	60	12 x 2	60	1440	86 400	4000-12000	3 x 400/460 V/ 50 Hz/60 Hz 15-30 kW	Min. 5 bar ~ 20 l/min	5-10 l/min
ø 55	60	10	70	700	42 000				
ø 55	60	10 x 2	60	1200	72 000				
ø 130	60	4	50	200	12 000				

The above technical data are examples and may vary depending on container dimensions, filling goods and line configuration.

## PROCESS (EXAMPLE)



- 1 Container feeder and hopper
- 2 Lid feeder and hopper
- 3 Sorting system
- 4 Pick and place robot
- 5 Punching and sealing station for filter
- 6 Position monitor and quality control
- 7 Inert gas room
- 8 Doser, extendable
- 9 Monitor scale with reaction coupling to dosing feeder
- 10 Lid placer
- 11 Ultrasonic welder for lid
- 12 Container inverter
- 13 Punching and heat sealing station for bottom foil
- 14 Visionsystem (on discharge conveyor)
- 15 Exit by pick and place with integrated container reject



### Rychiger AG

Alte Bernstrasse 135  
3613 Steffisburg  
Switzerland

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

www.rychiger.com

### Rychiger NA

641 Industrial Drive, Unit C  
Cary, IL 60013  
USA

T +1 855 697 7962  
F +1 847 628 0708  
us.service@rychiger.com