

FS 910

**RYCHIGER**



# The best-seller for best-seller

Whether Nespresso, K-Cup, Dolce Gusto or compatibles: for more than ten years, the FS 910 has been contributing to the success of tea and coffee capsules

# FS 910

- ✓ For Nespresso and compatibles
- ✓ Up to 1'440 capsules/min
- ✓ Dry cleaning
- ✓ Minimum foil waste
- ✓ Flexibly extendable

The FS 910 stands for high precision filling of coffee capsules and exceptional output. First launched ten years ago, more than one hundred FS 910 machines are today in operation all over the world – and Rychiger is continuously adding new features and functionalities. While the actual platform has proven so successful that there is virtually no room for improvement, we are continuously developing new functional modules.

With the FS 910, you can produce up to 1440 tea or coffee capsules per minute. The model caters to Nespresso and compatibles, Dolce Gusto, K-Cup and other popular capsule types. The FS 910 can handle all materials, from plastic and aluminum to paper. In addition, we offer a range of special solutions, such as filling and sealing in a shielded gas atmosphere minimizing residual oxygen inside the capsule to keep the product fresh for longer. Thanks to diagonal foil punching, the FS 910 reduces foil waste by up to 30 percent.

Like all Rychiger inline machines with linear transport, the FS 910 is optimized for dry cleaning access. If required, it can be upgraded for additional processes by adding extra stations, including integrated secondary packaging units.



## Details



### Whether cutting filters or molding

The FS 910 performs the processes with the highest precision.



### Precise and quick

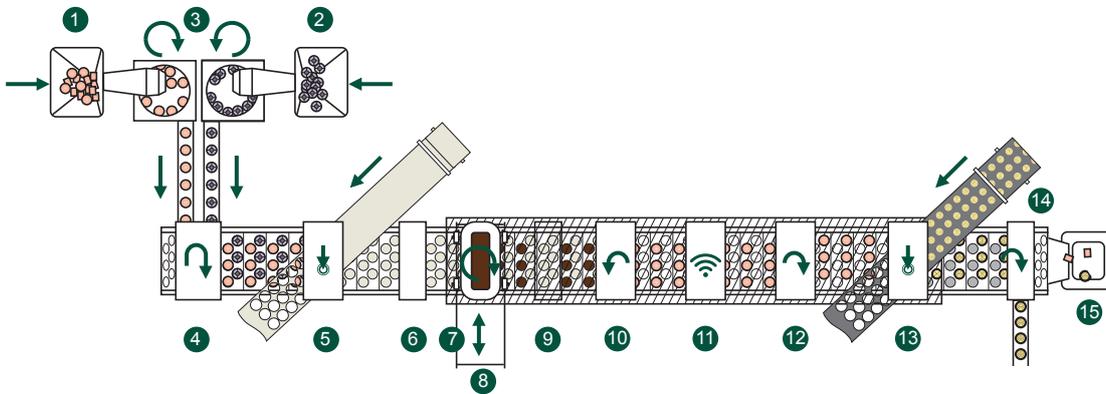
Integrated Delta robots enable fast assembly operations with careful transfer of incoming parts.



### 100% quality control

Only products that meet our high quality requirements leave the machine.

# Process illustration



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

## Technical data FS 910

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
37 mm	60 mm	12	65	780	46'800
67 mm	60 mm	2 x 12	60	1'440	86'400
55 mm	60 mm	10	65	650	39'000
55 mm	60 mm	2 x 10	60	1'200	72'000

Size (LxWxH)	Weight	Connected load	Rated power	Compressed air*	Nitrogen*	Cooling water
12 x 4 x 2 m	4'500 - 13'000 kg	3 x 400 V + Pe / 50 Hz 3 x 460 V + Pe / 60 Hz	15 - 30 kW	≥ 5 bar 55 Nm <sup>3</sup> /h	≥ 5 bar 80 Nm <sup>3</sup> /h	5 - 10 l/min

\*The air and nitrogen consumption refers to a machine with an output of 1'440 units per minute.