



Flexible and compatible

Whatever the container you need to fill and seal: the FS 190 is at your service. Its rotary indexing table offers the shortest retooling times in its class.

FS 190

- ✓ For all capsule systems
- ✓ Up to 240 capsules/min
- ✓ Footprint of less than 5m²
- ✓ Quick retooling
- ✓ Optimised accessibility

The FS 190 is the ideal model for the high-precision filling of coffee capsules where relatively small batches need to be processed. The FS 190 was the first rotary machine from Rychiger. With up to 60 cycles along 4 lanes, it is able to fill up to 240 capsules per minute with tea or coffee. The model caters to Nespresso and compatibles, Dolce Gusto, K-Cup and other popular capsule types. The FS 190 can also process proprietary capsules. It handles all materials, from plastic and aluminum to paper. The machine is shipped fully assembled and ready for operation. As all rotary indexing machines from Rychiger, the FS 190 takes up very little space. The control unit and electric drive systems are integrated into the base frame. The machine is designed for optimized performance and minimum production waste.

All key machine functions such as the low-waste foil punching module and the coffee grinder of the filling module are integrated into a compact frame. The filled capsules are packed and palletized in separate downstream machines – also available from Rychiger.

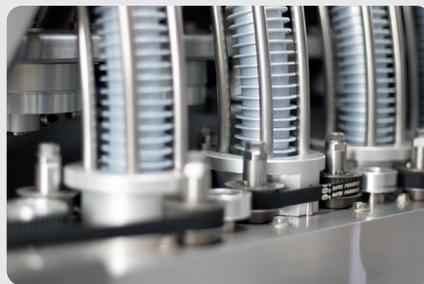


Details



Higher capsule storage

Greater autonomy thanks to additional capsule storage.



Safe stacking

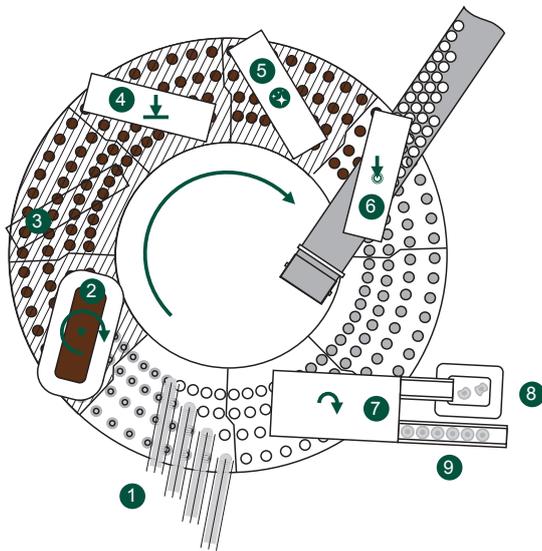
Whether aluminum or plastic, every type of capsule is safely stacked and separated.



Reduced foil waste

Optimum utilization of the cover band due to diagonally optimized band entry angle.

Process illustration



- 1 Destacker
- 2 Dosing station
- 3 Checkweigher
- 4 Compacting
- 5 Rim cleaning
- 6 Punching and sealing station
- 7 Capsule exit
- 8 Rejects ejector
- 9 Exit conveyor

Technical data FS 190

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
35 mm	45 mm	4	60	240	14'400
55 mm	45 mm	4	55	220	13'200

Size (WxH)	Weight	Connected load	Rated power	Compressed air
2,1 x 2,1 m	2'100 kg	3 x 400 V + Pe / 50 Hz 3 x 480 V + Pe / 60 Hz	7 - 14 kW	a≥ 6 bar 15 l/min