

FS 960 HV

RYCHIGER



A class of its own

With an output of up to 2'000 capsules per minute and unrivaled uptime, the FS 960 HV offers everything large producers are looking for.

FS 960 HV

- ✓ Zero-stop production
- ✓ Continuous capsule feed
- ✓ Continuous foil feed
- ✓ Minimum operator intervention
- ✓ Up to 2'000 capsules/min

Based on the tried and tested design of the FS 910 and the FS 960, the FS 960 HV opens up new possibilities for large-scale production. It lives up to its name HV and delivers high volume. The FS 960 HV comes with two more lanes than the FS 960, pushing output to a new level of up to 2'000 capsules per minute. The model caters to Nespresso and compatibles, Dolce Gusto, K-Cup, and other popular capsule types. The FS 960 HV can handle all materials, from plastic and aluminum to paper. In addition, we offer a range of special solutions.

Like the FS 960, the FS 960 HV is designed for 24/7 operation, with minimum scheduled downtimes and even less unplanned stops. Designed for easy access and unrivaled hygiene, there are less cleaning cycles required, while troubleshooting and repairs are made easier. Like all Rychiger inline machines with linear transport, the FS 960 HV can be upgraded with additional processes by adding extra stations, including integrated secondary packaging units.



Details



Whether cutting filters or molding

The FS 960 HV carries out the processes with the highest precision in one tool.



Integrated Delta robots

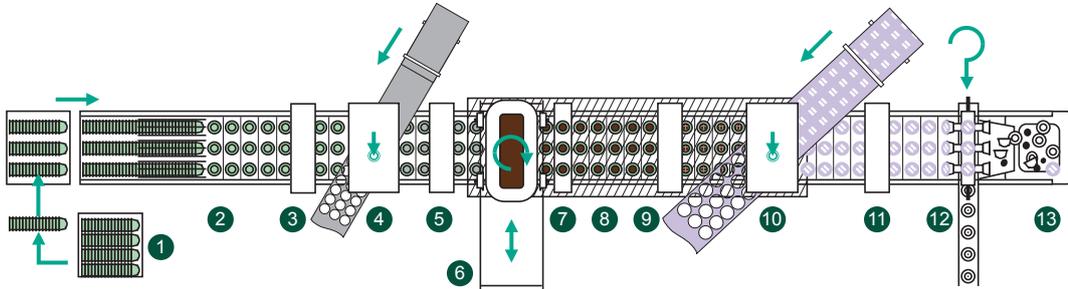
They allow fast operations with precise repositioning of new parts.



100% quality inspection

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

Process illustration



- 1 Container feeding system
- 2 Destacker
- 3 Inspection station
- 4 Punching and sealing station for bottom membrane/lid
- 5 Vision system
- 6 Doser
- 7 Checkweigher
- 8 Inert gas room
- 9 Rim cleaner
- 10 Welding station for membrane/lid
- 11 Inspection station
- 12 Container inverter
- 13 Exit by pick-and-place with integrated container reject

Technical data FS 960 HV

The technical data might vary, depending on the container dimensions and shapes, the filling goods, the machine configuration and material specifications.

| Outer unit diameter | Unit height | Number of lanes | Cycles/min | Output/min | Output/h |
|---------------------|-------------|-----------------|------------|------------|----------|
| 45 mm | 65 mm | 12 | 65 | 780 | 46'800 |
| 45 mm | 65 mm | 12 x 2 | 60 | 1'440 | 86'400 |
| 45-55 mm | 65 mm | 16 x 2 | 55 | 2'000 | 120'000 |

| Size (LxW) | Weight | Connected load | Rated power | Compressed air | Nitrogen |
|------------|-------------------|--|-------------|--|--|
| 12 x 4 m | 4'000 - 12'000 kg | 3 x 400 V / 50 Hz 3 x 460 V / 60 Hz | 30 kW | ≥ 6 bar 60 - 120 Nm ³ /h | ≥ 5 bar 65 - 130 Nm ³ /h |