

Z-110 g-3&4

Filling and Closing Machine



Footprint

3350 x 2280 mm

Output

g-3 - 5000 units/h

g-4 - 7200 units/h

Configurations

Automatic container infeed (unscrambling unit)
Rinsing station on board
N₂ pre- and post-gassing
Filling with 3 or 4 stations
Dropper insert, stopper and cap (3 / 4 stations)
In process control dosing volume by sensor or weight control (gross / tare)
Upgrade of safety hood with LAF (Laminar Air Flow)
CIP- / SIP-able dosing system

Products

Liquids, semi-solids (e.g. gel, cream, balm), solids (e.g. tablets, globules, powder)

Containers / closures

Vials, bottles (glass / plastic / aluminium)
Caps / nose or throat spray (screw-on, press-on, crimp-on)
Dropper inserts

Technical data

GMP Design
3 x 400 VAC, N, PE, 25 AT
> 6 bar air
650 kg
PLC / HMI Siemens (Rockwell optional)
Pneumatics (SMC/Festo)

Format range

Diameter min - max: 15 - 40 mm
Height min - max: 24 - 100 mm
Oval: possible
Square: possible
Oversizes: possible (special versions)
3 bottles per step (g-3)
4 bottles per step (g-4)



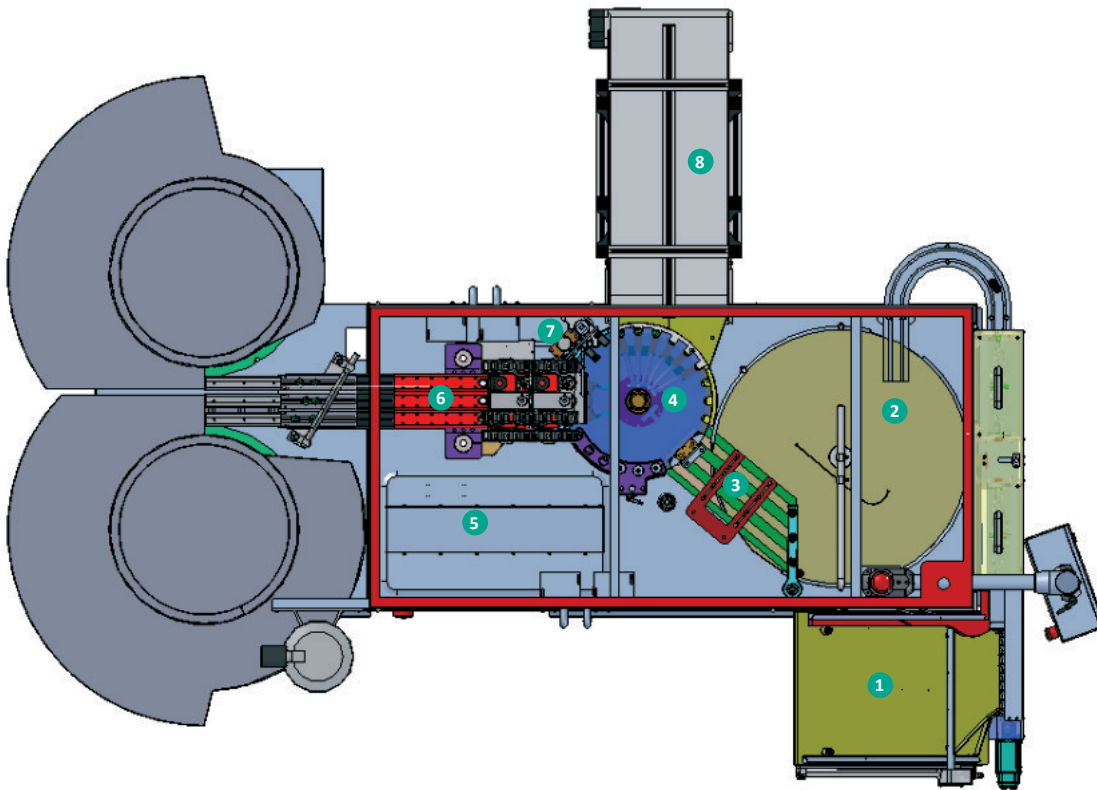
Features

- Monobloc design with rinsing station on board and integrated buffer infeed turntable
- 3- / 4-line infeed into star wheel
- Product filling with 3 / 4 CIP- / SIP-able rotary piston pumps
- 3- / 4-line cap infeed
- 3- / 4-line centering of spray tube
- 3- / 4-line servomotoric screw-capping system with integrated pick and place (X, Z, C)
- Automatic exit of non-conform containers

Customer benefits

- Compact, space-saving design
- Screw-on, crimp-on, press-on caps / pump sprays can be processed on the same machine
- Easy, fast and reproducible format change over
- All electric parameters are saved within recipes, all mechanical setting values are reproducible
- Expandable system

PROCESS (CONFIGURATION EXAMPLE)



- | | | | |
|---|-------------------------------------|---|--|
| 1 | Infeed magazine and rinsing station | 5 | Product filling with 3 / 4 CIP- / SIP-able rotary piston pumps |
| 2 | Buffer turntable | 6 | 3- / 4-line tube centering, cap placing and closing (X, Z, C) |
| 3 | Infeed rails | 7 | Height control of caps |
| 4 | Star wheel | 8 | Outfeed conveyor with separator for conform and non-conform containers |