

Z-201 S

Filling and Closing Machine



Footprint

2300 x 1000 mm

Output

2000 units/h

Configurations

Automatic container infeed (unscrambling unit)
Rinsing station on board
N₂ pre- and post-gassing
Filling with up to 2 stations (50 % / 50 %)
Dropper, stopper and cap insert
In process control dosing volume by sensor or weight control (gross / tare)
Upgrade of safety hood with LAF (Laminar Air Flow)
Semi-automatic and automatic operation
CIP / SIP-able dosing system

Products

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

Containers / closures

Bottles (glass / plastic), jars, vials, airless
Dropper inserts, stoppers
All common closures

Technical data

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

Format range

Diameter min - max: 20 - 70 mm
Height min - max: 24 - 180 mm
Oval: possible
Square: possible
Oversizes: possible (special versions)



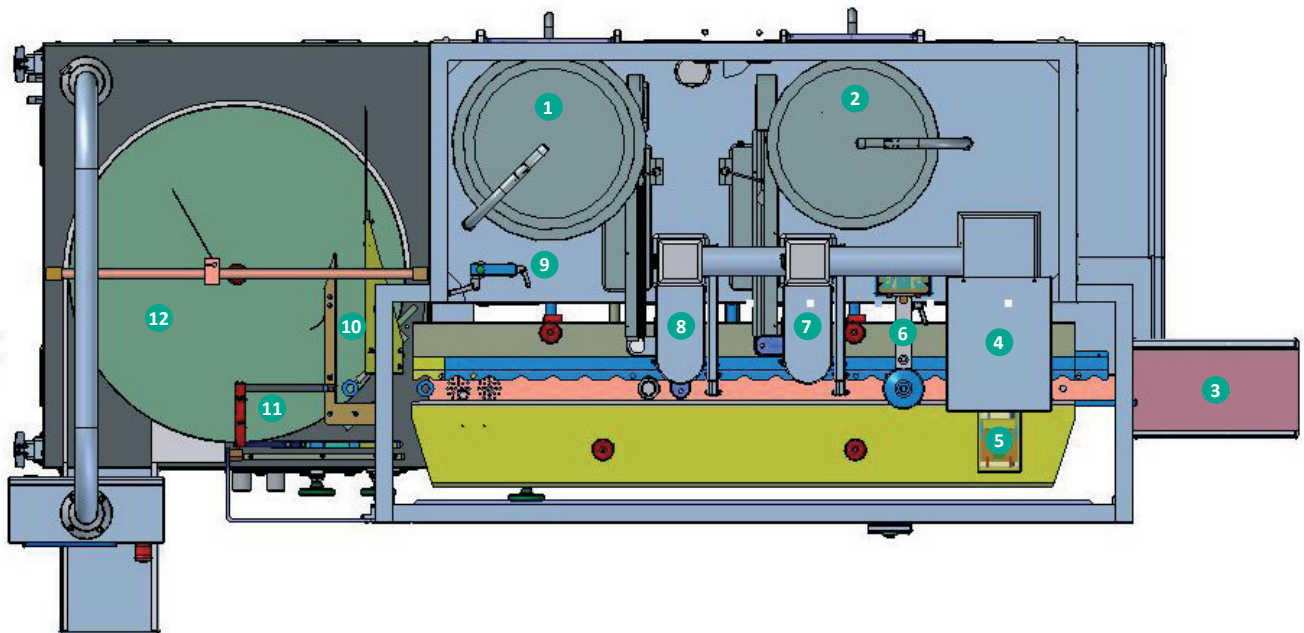
Features

- Monobloc design with integrated infeed turntable
- Patented walking beam transport system, continuously adjustable
- Compact design with a flexible set of functional modules
- Different dosing systems can be integrated (in combination or as single system)
- Different closure infeed systems can be integrated
- Different closing systems can be integrated

Customer benefits

- Compact, space-saving design
- A large number of formats can be processed without additional format parts
- Gentle, positive product transport (no falling over, no scratching)
- Dismantling for cleaning purposes can be done without tools by a single person within a few minutes
- Format change without tools by a single person within a few minutes
- Expandable system
- Flexible automation: Large product batches can be processed fully automatically, small product batches can be processed semi-automatically (manual placing of closures, automatic capping)

PROCESS (CONFIGURATION EXAMPLE)



- | | | | |
|---|------------------------------|----|--|
| 1 | Vibrating bowl for stoppers | 7 | Capping arm |
| 2 | Vibrating bowl for caps | 8 | Stoppering arm |
| 3 | Outfeed platform | 9 | Diving nozzle unit (filling / gassing) |
| 4 | Screw-on and press-on capper | 10 | Infeed rail |
| 5 | Picking nest for spray caps | 11 | Infeed pusher |
| 6 | Crimp capper | 12 | Infeed turntable |