

# 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  
N<sub>2</sub> 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

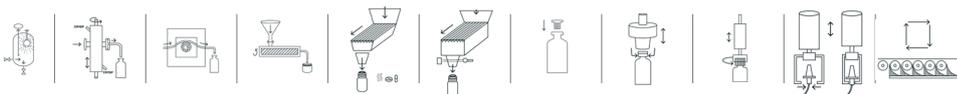
Bottles (glass / plastic), jars, vials, airless  
Dropper inserts, stoppers  
All common closures

### 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)



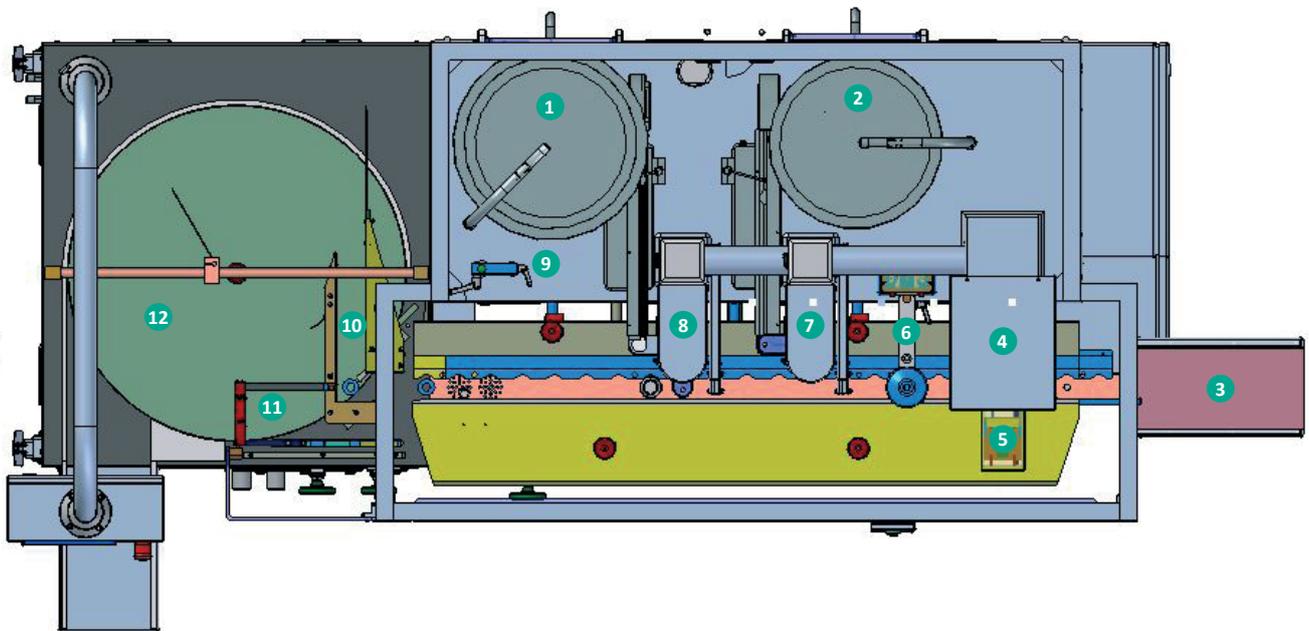
## Features

- 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                       |