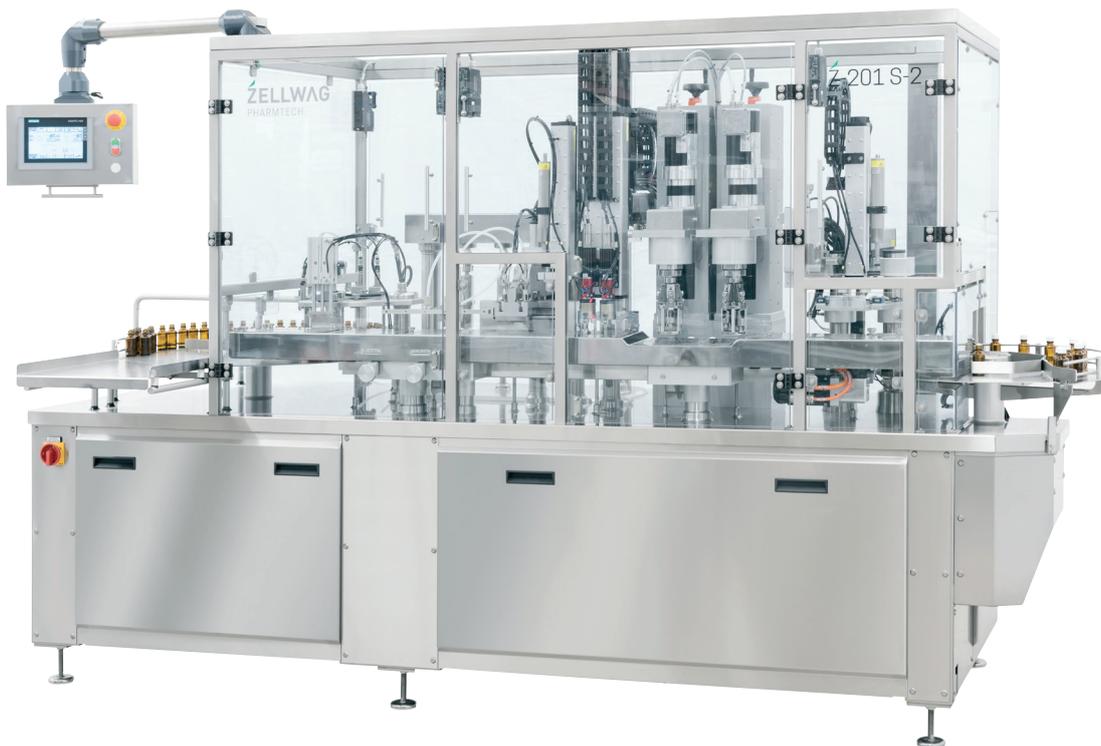


# Z-201 S-2

## Filling and Closing Machine



### Footprint

3500 x 1800 mm

### Output

4000 units/h

### Configurations

Automatic container infeed (unscrambling unit)  
Rinsing station on board  
N<sub>2</sub> pre- and post-gassing  
Filling with 2 or 4 stations (50 % / 50 %)  
Dropper insert, stopper and cap (2 stations each)  
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

Bottles (glass / plastic), jars, vials  
Dropper inserts, stoppers  
Screw-, pilver proof-, press-on caps, sprays,  
Measuring cups

### Technical data

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

### Format range

Diameter min - max: 16 - 55 mm  
Height min - max: 24 - 180 mm  
Oval: possible  
Square: possible  
Oversizes: possible (special versions)



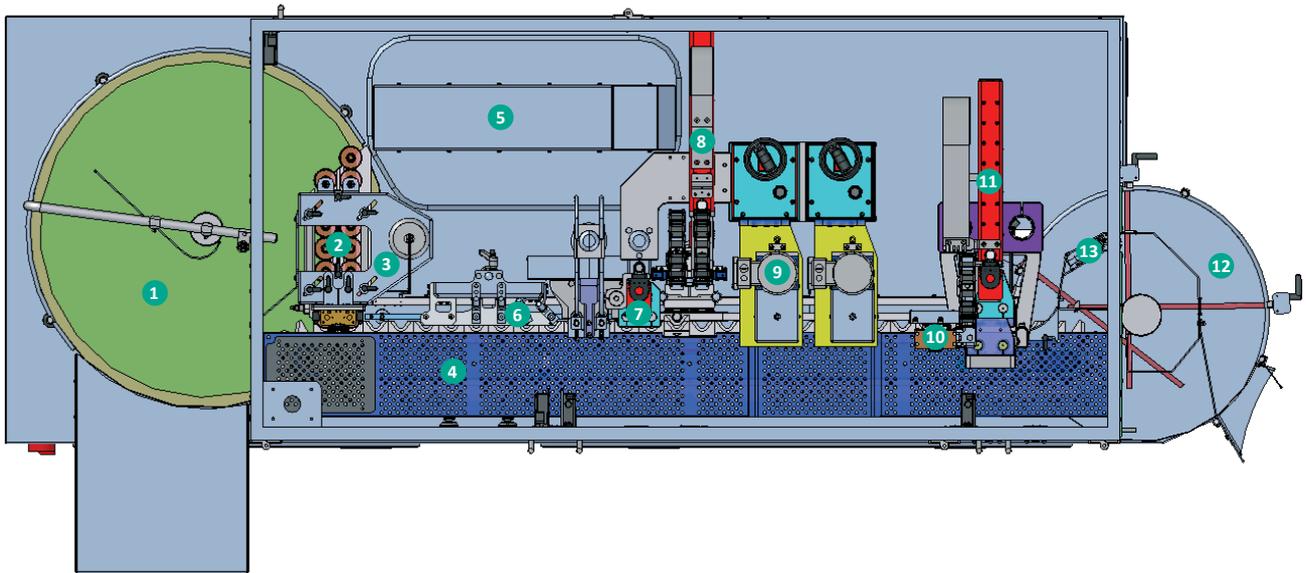
## Features

- Monobloc design with integrated in- and outfeed turntable
- Automatic exit of non-conform containers
- Rotating V-shaped prism transport system
- Continuously mechanically adjustable
- Adaptation of the transport system to the product diameters via setting knobs with digital counters
- 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
- Separation of machine body and transport platform with easily accessible space

## Customer benefits

- Compact, space-saving design
- Easy integration of downstream systems
- Reduced number of format parts: a diameter range of 15 mm can be processed with one prism set
- Easy to clean
- Gentle, positive product transport (no falling over, no scratching)
- Tool-free format part change according to the poka yoke-principle (Japanese, engl. «avoid unfortunate errors»)
- Format parts are avoided wherever possible
- All electric parameters are saved within recipes, all mechanical setting values are reproducible
- Expandable system

## PROCESS (CONFIGURATION EXAMPLE)



- |  |                                      |
|--|--------------------------------------|
| 1 Infeed turntable                       | 8 Pick and place and screw capper    |
| 2 Infeed rail                            | 9 Pilferproof station                |
| 3 Separating cylinder                    | 10 Cap height control                |
| 4 Rotating V-shaped prism transport      | 11 Measuring cup place station       |
| 5 Dosing pumps 2 / 4                     | 12 Outfeed turntable                 |
| 6 Diving nozzle unit (filling / gassing) | 13 Outfeed of non-conform containers |
| 7 Stoppering station                     |                                      |