

Newsletter 01/2017

1. Project example multifunctional and versatile filling and closing machine for Over The Counter (OTC) products



Project requirements

Packages:	Different bottle sizes from 10 - 250 ml
Product:	from alcohol- to very sugar-containing (syrups)
Closures:	Screw-on caps with a diameter of 18 and 28 mm and pilver-proof caps with measuring cups, optioanly in the future: spray applicators
Inlets:	Dosing inserts and droppers, brushes
Changeover times	less than 30 minutes
Output	- 4000 packages/h

Our solution: Automatic Filling and Closing Machine Z-201 S-2

Features

- Monobloc design with integrated in- and outfeed turntable
- In-process-control and exit of non-conform containers
- Rotating V-shaped prism transport system with double-feed
- Continuous 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

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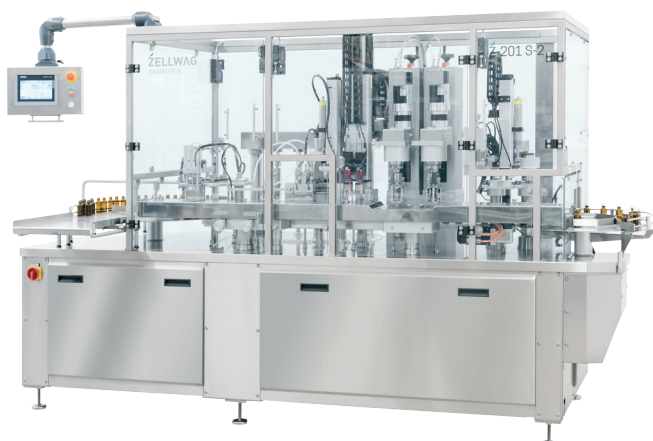


Figure 1: Machine overview



Figure 2: Turnable setting knobs



Figure 3: Prism transport



Figure 4: Capping

Customer benefits

- All products can be processed on the same machine, including the positioning of measuring cups
- 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

Where can I experience the machine live?

Visit us on our booth # 6 / D 09 on the interpack from 04. - 11.05.2017 in Düsseldorf, Germany, and experience the machine live and in action. We are looking forward to coming to know your needs and requirements and to answering your questions!

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2. Extension of the Zellwag Pharmtech AG test laboratory

We continuously extend our test laboratory for you.

We offer our customers an optimal feasibility service in advance of a project by executing, documenting and analysing "proof of principle" testing.

Thus, packages and process parameters can optimally be adapted to your needs.

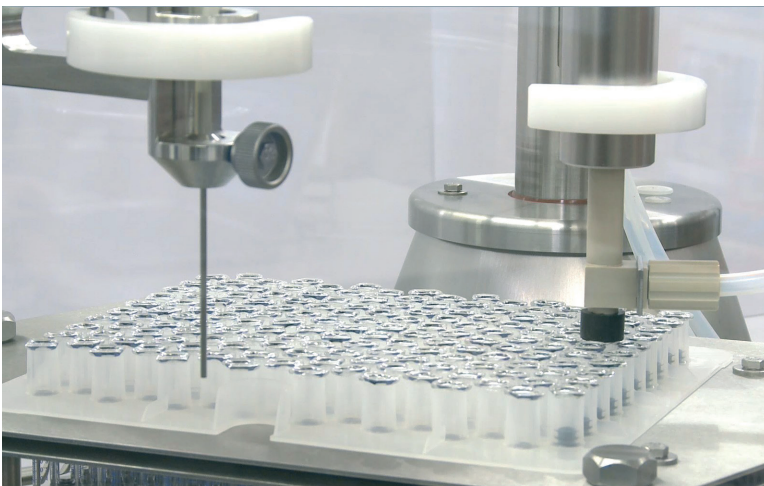
Our latest innovation is a test station for the filling and closing of ready to use (RTU) containers with the following possibilities:

- Filling starting from 0,5 ml
- Filling under vacuum until -900 mPas for high-viscous products, e.g. hyaluronic acid
- Stoppering under vacuum until -900 mPas
- In-process-control: control of the filling level and the stopper position

Example of a test carried out for a large RTU-packaging manufacturer:

- Control and dosing to an exact filling level in 3 ml cartridges by means of an ultrasonic sensor
- Background of the test: The product level within the cartridges should be in the range of +/- 0,5 mm, tolerances within the glass should be compensated to ensure a good application to the pen (no idle strokes, the product must not be dispensed too early)
- Positive result: The filling level can be adjusted exactly to +/- 0,5 mm and can be guaranteed

Principle picture with filling needle and stoppering arm:



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3. We expose on the following fairs

We would be pleased to schedule an appointment with you at our booth! Please contact us!



Pharmapack, 01. - 02. February 2017, Paris, France

Visit us in the Paris expo Porte de Versaille, Hall 4, at booth F49. We are looking forward to seeing you!



interpack, 04. - 10. May 2017, Düsseldorf, Germany

Visit us at booth # 6 / D09. We are looking forward to seeing you!



PACK EXPO LAS VEGAS, 25. - 27. September 2017, Las Vegas, Nevada, USA

Visit us. We are looking forward to seeing you!



Compamed, 13. - 16. November 2017, Düsseldorf, Germany

Visit us. We are looking forward to seeing you!