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## FILLING AND CLOSING – MACHINES AND PLANT CONSTRUCTION

## OUR INDUSTRIES

Zellwag Pharmtech AG develops and builds filling and closing machines for the pharmaceutical, healthcare and cosmetics industry in the medium-performance segment. The filling of different container formats on the same machine is our specialty. Our systems have a modular and compact design.

### PHARMA

Aseptic and non-aseptic processing of pharmaceutical products



Vials, syringes and cartridges



Nest and bulk handling

### HEALTHCARE / DIAGNOSTICS

Flexible processing of healthcare products



Drops and sprays



Sarstedt tubes

### COSMETICS

Diligent processing of cosmetic products - also in the luxury segment

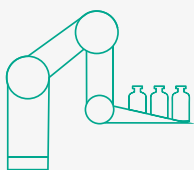


Perfumes and creams



Body care and nail polish

## OUR PROCESSES AND MODULES



### HANDLING

- ▶ Transporting/pucks
- ▶ Sorting and presenting
- ▶ Rinsing and cleaning
- ▶ Feeding in and setting up
- ▶ Turn table/buffer plate
- ▶ Nested containers



### FILLING

- ▶ Liquid
- ▶ Pasty/cream
- ▶ Powder
- ▶ Tablets



### CLOSING

- ▶ Screw capping
- ▶ Crimping
- ▶ Sealing
- ▶ Pressing on
- ▶ Pilferproof
- ▶ Stoppering



### OPTIONS

- ▶ Labelling
- ▶ Cartoning
- ▶ Palettizing/depalettizing
- ▶ Unstacking
- ▶ Trayloading
- ▶ Nesting/denesting
- ▶ Cotton coil/dessicant
- ▶ Process control

## OUR MACHINE PLATFORMS

Different customer requirements have resulted in machine platforms on which our modules can be arranged customer-specifically.

### Z-LAB FAMILY

Multiformat machine for filling, dosing, stoppering and screw capping in the lab environment, for vials, syringes and carpules.

Output: up to 400 pieces/h



### Z-110 ROTARY MACHINE

Multiformat machine for filling and closing of vials, bottles, and jars with variable closing systems

Output: up to 6000 pieces/h  
Filling places: up to 3  
Container sizes: up to 1000 ml



### Z-201 LINEAR MACHINE

Multiformat machine for filling and closing of vials and bottles with variable closing systems

Output: up to 4000 pieces/h  
Filling places: up to 2  
Container diameters: 16 - 55 mm  
Container sizes: up to 250 ml



### Z-810 NEST HANDLING MACHINE

Multiformat machine for filling and closing of syringes, vials and cartridges

Output: up to 5000 pieces/h  
Filling places: up to 5  
Container sizes: up to 20 ml



## OUR SERVICES

At Zellwag Pharmtech AG, we attach great importance to a comprehensive and customer-specific service. The following tailor-made services are available:

### SERVICES AT ZELLWAG PHARMTECH

- ▶ Test laboratory
- ▶ Development and engineering
- ▶ Qualification (DQ, FAT)
- ▶ Telephone support by a service technician
- ▶ Software support via VPN

### SERVICES AT YOUR SITE

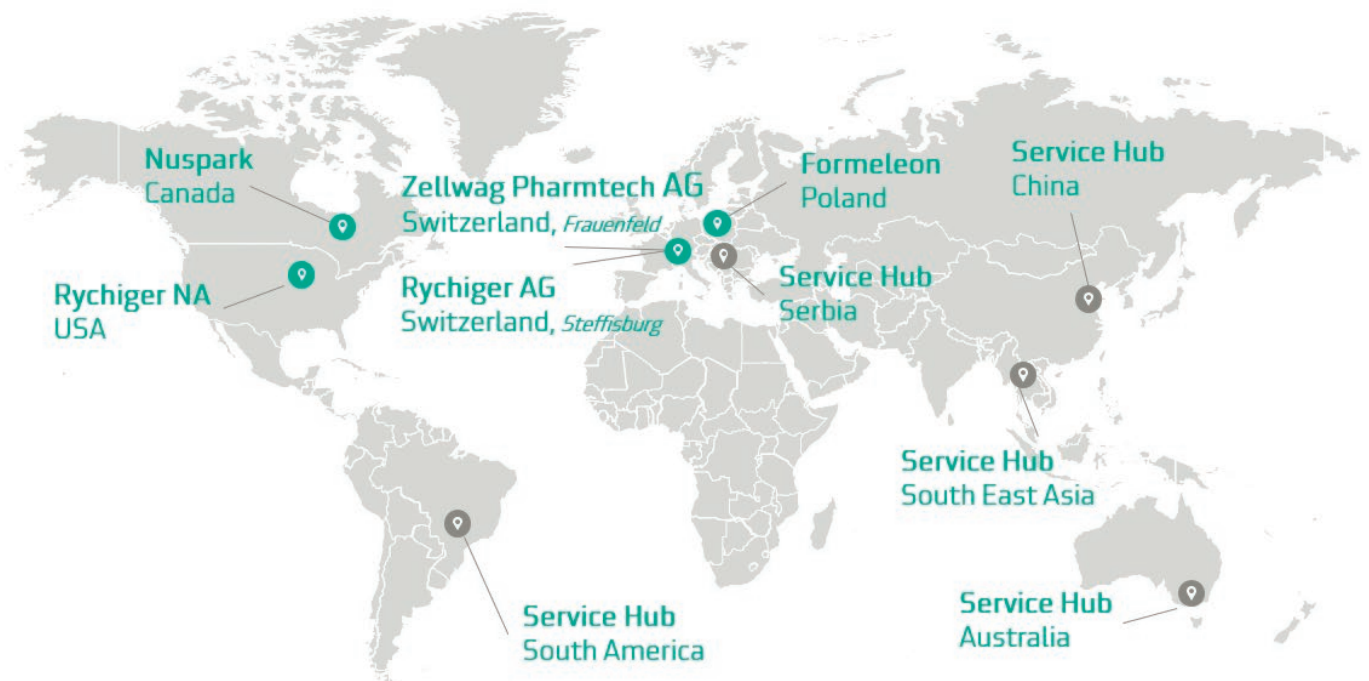
- ▶ Consulting and conceptual design
- ▶ Training
- ▶ Inspection and maintenance
- ▶ Retrofit of an existing machine
- ▶ Qualification (IQ, OQ, SAT)
- ▶ Validation support

### DELIVERY SERVICE

- ▶ Spare parts
- ▶ Format parts – for additional container sizes
- ▶ Consumables – we do the pre-assembly – you get a ready to use set

## OUR LOCATIONS

Zellwag Pharmtech AG has been part of the Rychiger Group since 2015.



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