

Modern Automation Technology



Zellwag Pharmtech AG builds compact filling, closing and labeling machines with serialization and batch reports.

Highest requirements in the pharmaceutical sector

Hygiene is the top priority in the pharmaceutical sector. The operating personnel work with protective suits and gloves, every process step is qualified. Containers are filled and sealed under clean room conditions. The high qualification requirements require the use of the latest control technology, integrated system components and robot technology.

Increased flexibility thanks to the latest control technology

Zellwag Pharmtech AG specializes in the planning and manufacture of small to medium-sized multi-format filling machines.

Different containers and formats are processed on one system. Our strength is the modular structure: on this basis we adapt our machines to the needs of the customers. Format changes can be carried out quickly and without tools.

With today's system control, all filling and driving axes can be controlled in a synchronized way. This enables precise and efficient kinematics of all movements and high-precision dosing. Bottom-up technology fills both gel-like and foaming products precisely and without bubbles.

The modular structure also describes the control architecture. We even control robots centrally, which Siemens markets as a prime example of robot integration: «[Efficient engineering of kinematics](#)». This type of programming increases functionality and efficiency, format expansions are easy to implement and qualify even after commissioning.

Integrated system components

A clean integration of system components such as dispensers, counters, scales and labelers depends on the control architecture. With direct control of all system components, unnecessary interfaces with subsystems can be reduced. This simplifies qualification and enables process or format extensions even after commissioning. Intuitive system operation increases user friendliness and productivity.

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Robot technology

Robots work quickly and with high precision. With the use of robots, the system layout can be further reduced, which also saves investment and operating costs. With a compact system layout, accessibility for cleaning and format changes is simplified. Processes and routes of robots in automatic mode can be clearly defined and validated. A robot handles the container, which greatly reduces particle formation in the machine and simplifies qualification.

Central control technology for multi-format machines - all advantages at a glance:

- Processing of containers with different formats on one filling line
- Synchronous control of all filling and driving axes
- Increase functionality and efficiency. These are important prerequisites for process adjustments and format extensions even after commissioning
- Simplified programming and qualification thanks to reduced subsystems and interfaces
- Short changeover times, several formats can be run in one day
- Labeling with serialization and batch report

We exhibit on the following fairs

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



CPhI worldwide, 13. - 15. October 2020, Milan, Italy
Visit us at our booth. We are looking forward to seeing you!



Pharmapack, 27. - 28. January 2021, Paris, France
Visit us at our booth. We are looking forward to seeing you!



Interpack, 25. February - 03. March 2021, Düsseldorf, Germany
Visit us at our booth. We are looking forward to seeing you!