FILL FINISHING SOLUTIONS

FILLING AND CLOSING MACHINES FOR PHARMA

PHARMA

biopharma group | COMECER
AN ATS COMPANY

FILLING MACHINES FOR
INJECTABLES (LYO, LIQUID OR BAGS) AND NON INJECTABLE
(OPHTHALMIC, NASAL, ORAL OR DIAGNOSTIC)

Filling Lines for Injectable and Oral Products in Liquid and Powder Form

Our modular fill-finish systems, technologies and equipment provide solutions suitable for Laboratory, R&D and Production Manufacturing Plants, proposing quick delivery standard modules as well as customized configuration capable to fit specific needs.

- **Smaller footprints**: our engineers can customize layouts to fit most applications with space challenges without sacrificing capacity;
- **Completely flexible**: the different modules can be quickly converted for different type of containers accommodating different vial sizes with a simple change of parts.

With small scale and efficient design principles that adhere to cGMP quality guidelines, the Comecer fill-finish range specializes in low to medium speed applications. Each filling line can be configured to create a complete manufacturing line or be customized to suit any user.

OPHTHALMIC AND NASAL

The ophthalmic filling process is a highly specialized and critical operation within pharmaceutical manufacturing, requiring stringent adherence to sterility and precision.
The complexity of different types of containers and closures requires dedicated technical solutions to meet this challenge.

In essence, the ophthalmic filling process is a complex interplay of aseptic technology, strict adherence to regulations and machine performances.

ORAL & DIAGNOSTIC

Non-Injectables products requires machines capable to satisfy specific customer configuration according to the different type of container. Efficieny is the key word for this metter.
Oral products are typical with a non-acqueous behaviour, requiring dedicated features to proper fill the different containers.

Many of the times, the container itself can influence the dosing system and the whole process, demanding a specific design to achieve the required results.

INJECTABLES

The injectables filling process is a highly regulated and precise operation, crucial for ensuring the safety and efficacy of parenteral medications.

Machines must be design mixing technical solutions, assuring sterile environmental conditions to comply with the latest cGMP requirements.

In essence, the injectables filling process is a complex and highly controlled operation that requires meticulous attention to detail and adherence to strict regulatory requirements.

BAGS

The process of filling IV bags in pharmaceuticals is a delicate operation, due to bags characteristic, requiring adherence to strict quality and safety standards.

The entire process must take place in a sterile environment to prevent microbial contamination. The filling volume must be accurate and verified to ensure proper dosing.

Aseptic handling techniques are essential to prevent contamination during bag filling and sealing.

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LABLINE Standalone Filling Machine

LABLINE is a machine indicated for standalone applications. The unit is equipped with an integrated rotary table and tray units for easy operator activites. The machine can be configured with different process stations (filling, closing, crimping) according to the type of products (injectable, non-injectable).

Features

- Standalone solution
- Ideal for labs, R&D and clinical trials
- Configurable for small productions
- Up to 3,000 uph.

MICROLINE Rotary Fillers Solutions

MICROLINE is a machine indicated for standalone or inline applications, capable to fill and close different type of containers, in bulk or RTU (Ready To Use). MICROLINE machines are versatile units that can provide solutions for injectable as well as oral, ophthalmic, and diagnostic applications

Features

- Small footprint
- Ideal for small batch productions
- Suitable for Isolator
- Up to 3,000 uph.

MACROLINE Rotary Fillers Solutions

MACROLINE is a rotary machine ideal for standalone application or compact small production lines. The unit is specially oriented to ophthalmic, nasal or injectable solutions thanks to its compact design and its technical features. MACROLINE machines can be equipped with filling and closing stations complying to the different needs.

Features

- Ideal for small production areas
- Compact design
- High flexible configuration
- Up to 6,000 uph.

VERSALINE Linear Fillers Solutions

VERSALINE is a filling and closing machine, with a linear configuration, for injectable and non-injectable products, particularly suitable for nasal or ophthalmic in glass vials or plastic bottles. VERSALINE is also suitable for filling and closing syringes.

Features

- Ideal for medium-high productions
- High speed quality control
- Suitable for Isolator
- Up to 12,000 uph.

FLEXLINE Robotic Fillers

FLEXLINE is a versatile, robot filling and closing machine for glass and plastic RTU (Ready To Use) syringes, cartridges and vials in nest. In addition, complete line solutions with de-baggers, delidding, de-nesters, labelers and rod inserters are available. FLEXLINE can also handle microvials with high quality perfrormances.

Features

- Automatic or Manual RTU containers handling
- Robotic flexibility for multiple formats
- Suitable for Isolator
- Up to 9,000 uph.

FLEXLABEL Labeling Machine and Rod Inserter

FLEXLABEL is a labeling machine for pharmaceutical containers and rod inserter for syringes with a compact footprint. The proposed labeling features provides complete product traceability from manufacturing to market.

Features

- Suitable for main printing and vision systems
- Designed for vials, syringes and cartridges
- Rod insertion for plastic and glass syringes
- Up to 7,000 uph.

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IVLINE Automatic Aseptic Filling Line for IV bags

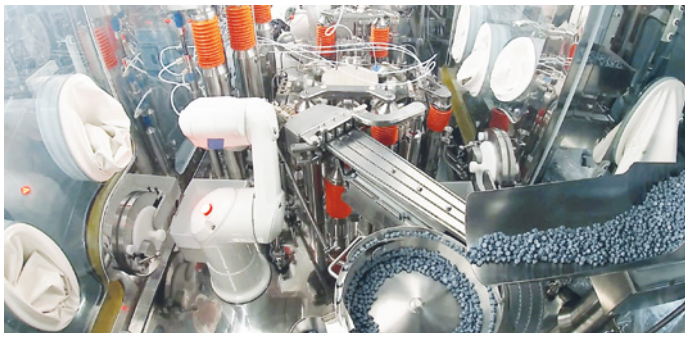
Comecer's automatic aseptic filling line for IV bags is a high-speed solution that can process a variety of IV bag formats in both small and large batches. It can be integrated in isolator or RABS from start to finish to guarantee asepsis and containment. It provides complete separation between the process and the operator while reducing human intervention to a minimum.

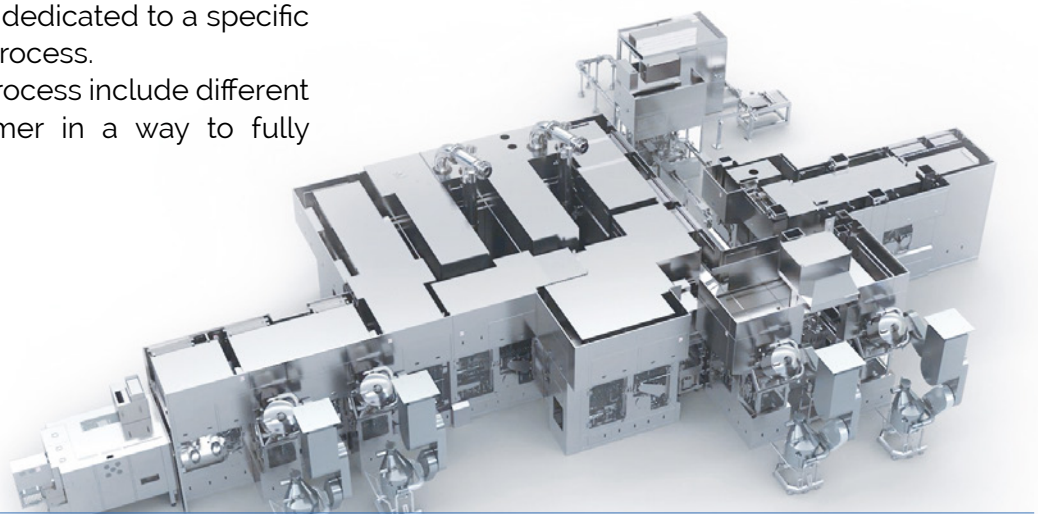
The filling line can process bags from 50 ml to 1 liter bags without format part changes, at a rate of up to 2300 uph, with peristaltic or volumetric integration.

END TO END Customized Projects

Comecer design highly customized, automated, aseptic filling, handling and packaging line for the containment of powder and liquid, capable of increasing production capacity.

The integrated project is meticulously design to ensure the highest standards of cleanliness and efficiency in pharmaceutical production.
The end-to-end fill finish lines can be composed of several key stages, each dedicated to a specific part of the manufacturing process.
Development and design process include different review stages with customer in a way to fully accomplishes their needs.





Rotary Washer

The rotary washer is a fully automatic, intermittent motion machine, suitable to wash and clean brand-new containers, such as vials and ampoules. The rotary washing machine is developed in order to permit the internal and external cleaning of the containers according to cGMP requirements.

Features

- Compact footprint
- Suitable for ampoules, bottles and vials
- Easily integrated with depyrogenation tunnel
- Up to 6,000 uph.

Linear Washers

Linear washers are built and manufactured according to cGMP standards.
The automatic machine, equipped with intermittent motion, can handle pharmaceutical small and large vials, ensuring their proper washing and drying with high performance and high speed.

Features

- High speed performance
- Suitable for small and large vials or bottles
- Siliconization system or ultrasonic bath
- Up to 21,000 uph.

Depyrogenation tunnels

Depyrogenation tunnel guarantees the continuous sterilization and depyrogenation of glass containers, such as tubular or moulded vials, by means of filtered high temperature air. Its special design allows for efficient and uniform heating, achieving ideal sterilization conditions in a short time.

Features

- Bacterial reduction up to log 6
- Suitable for RABS or Isolator integration
- Low energy consumption
- Production up to 350 kg/h.

FILL FINISHING

Comecer Custom Barrier Solutions for Pharma

Aseptic Barrier System

The primary goal of aseptic processing is the elimination of pathogens that could contaminate the medicinal products and subsequently the patient.

Containment Barrier System

The goal of containment processing is the isolation and segregation of potentially hazardous materials from the external environment and operators in the immediate vicinity.

Combined Barrier System

A combined barrier system is a combination of an Aseptic Barrier System with a Containment Barrier System

RABS - Restricted Access Barrier

A "Restricted Access Barrier" (RABS) is a combination of physical and aerodynamic barriers over an aseptic process zone. RABS is an alternative contamination control methodology designed for a higher classification cleanroom (EU Grade B – ISO 7 minimum) and based on systems of less engineering complexity.

Integrated Isolator technology

An ISOLATOR is a physical barrier system that in the case of system validated to provide a specific level of containment for Containment processes, while also offering, for Aseptic and Combined processes, a significant risk reduction of bio-contamination and uncompromised, continuous, Grade A isolation of its interior from the external environment.

WE ARE YOUR PARTNER FOR LIFE

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