

BOTTELPOST

B L O W - F I L L - S E A L - T E C H N O L O G Y

bottelpack[®]

THE LEADING BRAND IN BLOW-FILL-SEAL TECHNOLOGY

Applications in the field of Large Volume Parenterals (LVP)



rommelag[®]

www.rommelag.com

Blow-Fill-Seal Technology

An important part of intravenous solution manufacturers worldwide have made their choice of manufacturing methods. It is the Blow-Fill-Seal Technology!

This is particularly true for multinational companies which have relied on the technologies' cost benefits and highest achievable sterility assurance level.

IV fluids are basic life saving drugs. World market growth is driven by population increases and constant improvements in health care delivery. A multitude of IV therapies are becoming increasingly essential in overall health care treatment.

The range of IV solutions is great: hydration agents, chemotherapy, pain management, antibiotics, plasma volume expanders, total parenteral nutrition and many others.

It has been reported that about 90% of hospitalized pre- and post-operation patients are given infusions. Many markets still rely on imported products. In some areas locally manufactured products are of poor quality and high in cost due to inefficient production methods. Lack of inexpensive IV solutions in some developing areas has led to fatalities from non-mortal injuries and diseases. The answer to this has a name - bottelpack®!

The highly automated process minimizes human interventions. The process eliminates the need for preformed containers or films that require storage, washing and sterilization prior to use. This gives bottelpack® to unrivaled low operation costs.

The completely closed manufacturing method results in the highest sterility assurance level (SAL) in this field of pharmaceuticals.



Extruding

The plastic parison, extruded from polymer, is accepted by the opened blow mould and cut below the die of the parison head.



Moulding

The main mould closes and simultaneously seals the bottom. The special mandrel unit settles onto the neck area and forms the parison into a container, using compressed air. Small containers are formed by vacuum.



Filling

By way of the special mandrel unit, the product, precisely measured by the dosing unit, is filled into the container.



Sealing

After the special mandrel unit retracts, the head mould closes and forms the required seal by vacuum.



Mould opening

With the opening of the blow mould, the container exits from the machine and the cycle repeats itself. Transfer for further processing is achieved by means of conveying systems.

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Why manufacturers of IV solutions choose Blow-Fill-Seal containers made by bottelpack®



- Transparent
- Fully collapsible
- Closed System
- Unvented use
- Light weight
- Unbreakable
- Good grip
- Self standing
- Drug compatibility
- Inert raw material
- No contact between cap and solution
- Resealing ports
- Good admixture volume
- Permanent in container Batch and Expiry information
- Low production costs

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bottelpack® aseptic machines have a modular design, an integrated clean room class A (US-class 100) and an optional dark/white-machine separation. The fully automatic machines work either intermittent cycle with one and two moulds or continuously with rotating moulds. All are automated CIP/SIP-capable. The machine capacities vary according to the container characteristics. 0,1 ml to more than 1.000 ml containers are filled at rates up to 30.000 containers/h. The filling is done by an extremely accurate time-pressure-dosing system.

Customer Service

The rommelag® companies have representations in many countries and utilize outstanding specialists to advise customers all over the world regarding pharmaceutical container selection and design, product compatibility of

Corporate Description

rommelag® is the inventor of the Blow-Fill-Seal (BFS) Technology and is the worldwide leading manufacturer and supplier of bottelpack® advanced aseptic BFS machines. bottelpack® machines have been supplied for packaging sterile liquids, creams and ointments. rommelag® also supplies complete finishing lines as well as leak detectors and cap welding machines.

The rommelag® organization consists of several factories and commercial offices. Today there are two sales companies for the marketing of bottelpack® systems, rommelag ag located in Buchs (Switzerland) and rommelag Kunststoff-Maschinen Vertriebsgesellschaft mbH headquartered in Waiblingen near Stuttgart (Germany). They are supported by two contact offices located in Evergreen (USA) and Shanghai (P.R. China). In total more than 1.000 employees are at the customer's service.



Products

- bottelpack® machines
- cap welding machines
- high voltage leak detectors
- finishing lines

plastics, closures design and requirements. They also provide competent advice in environmental matters. rommelag® has close contacts with plastics manufacturer's technical application departments and other related institutions.

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