

PACKAGING SOLUTIONS

Blister packing machines and services that offer flexibility and high quality blister packs from a wide variety of packaging materials.



Sepha is a well-established brand in the global pharmaceutical market, known for its continuous innovation and customer-focused solutions.

ABOUT US SEPHA

Established in 1980, Sepha is an award winning specialist engineering business based in Belfast, Northern Ireland. Our focus is on the global pharmaceutical and medical packaging market, and our main areas of expertise involve supplying innovative packaging solutions, inspection and recovery products to clients who manufacture blister packs.

At our Belfast HQ we have a young, highly educated and skilled workforce, who design, develop and manufacture all our products in-house, and we export to over 35 countries globally.

Sepha is a well-established brand in the global pharmaceutical market, known for its continuous innovation and customer-focused solutions.

We have developed a strong global sales, customer service and support network in all major pharmaceutical manufacturing markets. As a result, we can include the world's top 10 pharmaceutical companies as clients.

Our products incorporate unique, innovative and patented technologies to help meet the requirements of our demanding client base. In particular, our products are chosen for their ability to improve quality assurance procedures and to reduce manufacturing costs, enabling clients to efficiently meet the stringent regulatory requirements of the industry.

Our product range incorporates 3 main divisions:

- Packaging Solutions
- Product Integrity Testing
- Product Recovery

In 2013, Sepha joined the TASI Group of companies and in so doing, has become part of the single largest pharmaceutical test and inspection group worldwide.

PACKAGING SOLUTIONS

Small scale, high quality blister packaging machines and services that are ideal for R&D, product development and clinical trials.

‘ These solutions have been developed in response to global demand from major pharmaceutical, medical device and clinical trial laboratories for blister packing solutions that are flexible, adaptable and capable of handling complex pack designs at minimal cost. ’

Ideal for small batches of pharmaceutical, medical or nutraceutical products from tablets and capsules to ampoules and medical devices, the EZ range is economical, time efficient and suitable for:

- clinical trials and stability studies
- package development
- marketing samples
- low volume production eg. of specialist drugs

The compact and easy to use model provides a 3-in-1 operational flexibility and combines the convenience of a lab-scale machine with the capability of a full sized production machine.

CONTROL YOUR SCHEDULE

Why wait until your Production Department can fit your small R&D batches into their busy schedule? EZ Blister and EZ MedPak give your lab total control, so clinical trials, package development and stability studies are completed on time and to budget. Every day saved in R&D is a day when a new

product can make extra profits in the marketplace. Your blister packing department also benefits as they will not have to clean and set-up large scale packaging equipment for small batches.

FLEXIBILITY

With the capability to handle all thermoform and cold-form materials the EZ range offers high quality packs for all requirements including child resistant/peelable blister packs, sachets, and monitored unit dose packs.

REPEATABLE RESULTS

Programme bespoke settings for temperature and air pressure through the electronically monitored controls or use the pre-set limits for easy operation.

For more information about R&D blister packing visit www.sepha.com.

SEPHA EZBLISTER

EZBlister shares the technology and processes of larger production machines to create high quality packaging.



EZ Blister has a range of options that can be selected to tailor and format the machine to meet individual commercial, manufacturing and technological requirements. The MAP option enables a full range of blisters to be created for stability studies.

Blister packing of tablets, capsules, ampoules, sachets, pouches and other products can be achieved from either thermoforming (eg. alu/pvc) or cold forming (alu/alu). Teflon coatings help optimize production when using difficult materials, and full pack traceability can be assured with the addition of a coding system.



Features & Benefits

- Customizable to individual commercial and manufacturing requirements
- Easy setup via HMI and minimal training required
- Compact space saving bench top design
- Precision engineered knurled or heat sealing plates
- Forms from pre-cut pieces of forming material
- Modified Atmosphere Packaging (MAP) function available as an optional extra.
- Cold forming capability
- Tool-less changeover of format parts in less than 2 minutes
- All machine parts either grade 304 stainless steel, anodized aluminium or PTFE
- Perforated cutting tools (optional)
- Teflon coated forming plates
- Operating speed of approx. 200 cycles per hour for any single operation

Machine Operation

OPTIONS

- Modified Atmosphere Packaging (MAP) capability
- Stainless steel casing grade 304
- Coding facility
- Mobile workstation with optional reel holder
- Tooling design service
- Pack design service

Modified Atmosphere Packaging (Optional)

MAP option allows packs to be flushed with a gas as specified by the client. Flushing can be configured for set times and pressure levels.

Machine Operation

The EZ Blister offers a 3-in-1 manufacturing process via the HMI controls.

Forming

Pre-cut pieces of forming material are placed in the machine to create trays that are formed to exact product requirements.

Sealing

The formed trays are sealed with pre-cut pieces of the selected lidding material using knurled or heat sealing plates. Product traceability can be achieved by choosing the option of code embossing the lidding material.

Perforating and Cutting

The sealed trays are cut and perforated using a precision die cutter.

SEPHA EZBLISTER auto feed

EZBlister with material auto feed shares the technology and processes of larger production machines to create high quality packaging.

EZ Blister Auto Feed allows small scale operations flexibility and efficiency in low volume blister packaging. Its reel tensioning technology feeds material directly from the reel, increasing speed of forming and sealing operations.



Features & Benefits

- Customizable to individual commercial and manufacturing requirements
- Forming & Sealing Materials fed from reel holder using reel tensioning system to increase efficiency and reduce operator input
- Rollers hold material in place and feed predetermined length through system for forming or sealing
- Reel tensioning roller technology holds foil taut to ensure highest achievable level of foil tension when sealing
- Easy setup via HMI and minimal training required
- Tool-less changeover of format parts in less than 2 minutes
- Cold forming capability
- Perforated cutting tools (optional)
- All machine parts either grade 304 stainless steel, anodized aluminium or PTFE
- PTFE coated forming plates & knurled or heat sealing plates
- Operating speed of 300 - 540 cycles per hour for any single operation

Machine Operation

OPTIONS

- Coding facility
- Tooling design service
- Pack design service

Machine Operation

The EZ Blister offers a 3-in-1 manufacturing process via the HMI controls.

Forming

Forming material is fed from the reel to create trays that are formed to exact product requirements.

Sealing

The formed trays are sealed using knurled or heat sealing plates with lidding material fed from the reel holder. Product traceability can be achieved by choosing the option of code embossing the lidding material.

Perforating and Cutting

The sealed trays are cut and perforated using a precision die cutter.

SEPHA EZMEDPAK

EZMedpak gives medical device manufacturers the flexibility and control to develop & produce complex, high quality packaging from a range of materials.



EZ MedPak enables R&D labs to design, create and manufacture product specific packaging in a lab environment, without the need to outsource package production. The unit is capable of handling most medical device packaging and lidding materials such as PETG, aluminium, PVC, peelable, paper-backed and Tyvek.

Our package design experts can design bespoke product tooling that enables clients to showcase their products to the maximum potential.



Features & Benefits

- Low volume packaging development unit designed to create bespoke packs for a wide range of medical & surgical devices
- Can be customised to meet individual customer needs and specifications
- Capable of handling a range of forming materials including PVC, PCTFE Laminates and PETG*
- Lidding options include aluminium, peelable and paper-backed foils and Tyvek
- Modified Atmosphere Packaging (MAP) function available as an optional extra
- Ability to create multiple barrier solutions
- Peel or push-through product access options
- Full package design and development service available
- Operating speed of approx. 200 cycles per hour for any single operation*
- Auto safety cut-off via light curtain

* Tooling and material dependent

Machine Operation

OPTIONS (see EZ Blister options)

Applications

Applications include:

- Pre-filled syringes
- Diagnostic devices
- Surgical stents
- Inhalation devices
- Dental implants
- Medical tray kits

Modified Atmosphere Packaging (Optional)

MAP option allows packs to be flushed with a gas as specified by the client. Flushing can be configured for set times and pressure levels.

Machine Operation

The EZ MedPak offers a 3-in-1 manufacturing process based on:

Forming

Pre-cut pieces of forming material are placed in the machine to create trays that are formed to exact product requirements to a depth of 25mm.

Sealing

The formed trays are sealed with pre-cut pieces of the selected lidding material using knurled or heat sealing plates. Product traceability can be achieved by choosing the option of code embossing the lidding material.

Perforating and Cutting

The sealed trays are cut and perforated using a precision die cutter.



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