

SEPHA EZMEDPAK

A compact, lab scale package development machine that has been designed specifically for the medical device market where sterility maintenance and barrier protection against microbial penetration is required.

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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-thru 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.

Technical Specification

PACK TYPE:	Blister
PACK DIMENSIONS:	Max. format area: 220mm x 120mm Max. thermoform depth: 25mm* Max. coldform depth: 12mm* <small>*Dependent on material type and cavity profile</small>
OPERATION:	Semi-automatic
CONSTRUCTION:	Stainless Steel (Grade 304)
USER INTERFACE:	Touchscreen HMI, Hand operated regulators, Push buttons
CONTROLS:	Temperature: 0 - 200°C settable ±1 °C Pressure: 0.2 - 0.6 MPa (Force: 6.3 - 18.8 kN) Timers: 0 - 99.9 sec settable ±0.1 sec Counter: 0 - 999 cycles
UTILITIES:	Electrical: Min 110V Single phase, 15A Min 230V Single phase, 6.5A Air Supply: Min. 250 L/min at 0.6 MPa
OPERATING SPEED:	Approx. 200 cycles per hour for any single operation
TOOLING CHANGEOVER:	2-3 minutes
TOOLING WARM-UP:	Approx. 10-15 minutes
MACHINE DIMENSIONS:	670(W) X 715(D) X 555(H) mm
WEIGHT:	Machine: 145 kg Tooling: 20 kg Shipping: 215 kg (inc. tooling)
WARRANTY:	Supplied with a 12 month warranty. (Service Level Agreements and/or extended warranties are available for additional support).



TASITEST

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