

A red blister pack is shown in the upper left corner, with a single red pill in focus in the center. The background is a gradient of red and white.

PRODUCT RECOVERY

A comprehensive range of automatic, semi-automatic and manual deblistering machines that enable the safe recovery of valuable product from all types of rejected blister pack.

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Sepha are the global leader in innovation and development of pharmaceutical deblistering equipment. Our machines are used globally on a daily basis by the majority of leading pharmaceutical companies to recover valuable product from blister packs.

All models in the Press-Out range allow rapid changeover and minimum downtime with maximum hygiene and efficiency. Using minimal pressure to extract tablets and capsules ensures that foil pieces do not detach from the blisters and prevents product damage during the deblistering process. Sepha has products suitable for push-through blisters as well as child resistant or peelable blisters.

WHY RECOVER PRODUCT FROM BLISTER PACKS?

Blister packs are rejected because of: empty pockets; incorrect product; incorrect batch coding; leak test failure; and inventory changes. The recovered product can immediately be repackaged increasing production yields.

REDUCE WASTE DISPOSAL COSTS

It is generally less expensive to dispose of empty blisters than filled ones, so it makes sense to separate active product from waste packaging before disposal.

ENVIRONMENTAL POLICY

Deblistering can help to meet legislative requirements whilst minimising the impact of manufacturing processes on the environment.

INVENTORY MANAGEMENT

Manage fluctuating market demands and organise inventory efficiently by emptying existing blister stocks and repackaging products into alternative formats.

INCREASE STAFF MOTIVATION

Emptying blisters by hand is tedious and repetitive. Mechanical deblistering prevents sore or cut fingers, and reduces the risk of RSI or Carpal Tunnel Syndrome.

For more information on deblistering visit www.sepha.com.

SEPHA PRESSOUT

MANUAL / MANUAL WIDE
SEMI-AUTOMATIC / AUTOMATIC

Manual, Semi-automatic and Automatic
deblistering solutions for in-line,
diagonal and offset layouts.

PRESSOUT
semi-automatic



PRESSOUT
automatic



PRESSOUT
manual



PRESSOUT
manual wide



Features & Benefits

manual / manual wide / semi-automatic

- Portable & flexible - can be adjusted quickly to suit any push-through blister pack
- Fully cGMP and easily cleaned
- Handles thermoform/alu as well as coldform/alu blisters
- Easy to use - no specialist skills needed
- Product recovered cleanly and hygienically
- Ideal for small batches

automatic

- Automatic feed and user interface with fault indicators
- Fully cGMP & easy to use
- Variable speed up to 60 blisters per minute
- Handles thermoform/alu as well as coldform/alu blisters
- Low-cost custom or adjustable tooling
- No product or foil contamination

Machine Operation

press out manual/manual wide

Blister packs are manually fed through a set of rollers by turning a handle. The tablets or capsules are simultaneously removed from the blister pack and separated from the waste packaging.

Manual In-line layout blister

Manual Wide Diagonal/Offset & In-line layout

press out semi-automatic

Uses the same patented deblistering mechanism as the Press Out Manual Wide, but is driven by an electrical motor allowing a deblistering rate of up to 30 packs per minute.

Tooling:

Single set of adjustable tooling.

automatic

The speed of the machine operation can be varied to a maximum of 60 blisters per minute.

1. Blister packs are fed automatically from the magazine stack through a set of rollers.

2. The tablets or capsules are gently eased out of the blister and are collected separately from the waste packaging.

Tooling:

Custom tooling is required for each different blister pack size. Format changeover, which does not require tools, is fast and easy.

SEPHA PRESSOUT universal mini

The sophisticated universal cutting technology has been adapted to allow recovery of lower volumes of valuable product from any blister pack.



Press Out Universal Mini is a low volume, bench top, automated deblistering machine designed specifically for recovering short runs of valuable and fragile product from all types of blister packs including child resistant, senior friendly, paper backed and alu/alu packs.

Press Out Universal Mini uses simple, low-cost tooling that is easy to change over and prevents product damage and contamination. It is designed specifically for short production runs and multiple product changeovers.

Features & Benefits

- Deblisters at a speed of up to 16 packs per minute
- Bench top unit with small footprint
- Capable of recovering tablets and capsules from peelable and child resistant blister packs
- Automatic feed
- Simple operation via touchscreen HMI
- Simple, fast tooling setup and changeover
- Easy access for cleaning
- Fully cGMP
- Zero contamination levels
- Low cost tooling
- Mobile workstation available as an optional extra

Machine Operation

Fragile products are recovered from any type of blister pack in short runs during the following 3 stage process:

Stage 1:

Packs are loaded into the magazine. Each pack is then fed into the locating tool and held in place using vacuum.

Stage 2:

The pack is rotated and clamped into place. The lidding material of each blister cavity is precision-cut around the edge using specific tooling to prevent product damage and contamination.

Stage 3:

The products are then gently pressed out of the pack and into the removable collection bin. The empty blister packs are collected in a separate waste bin.

Tooling:

Custom tooling is supplied for each different pack size with fast delivery times.

SEPHA PRESSOUT universal

Sophisticated, gentle cutting technology makes it ideal for recovering high value, fragile tablets and capsules at a rate of up to 50 blister packs per minute.



PressOut Universal is the deblistering machine of choice for the world's largest producers of pharmaceutical blister packs because of its quality, flexibility, speed and unrivalled product recovery rates.

Features & Benefits

- Automated, variable speed control & operation setting
- Capable of removing product from child resistant packs
- Automatic feed
- Can deblistering up to 50 blister packs per minute
- Handles all pack formats
- Integrated 316 Stainless Steel product collection bin
- Zero contamination levels
- Fully cGMP
- Sophisticated, easy to operate software control system
- Temperature and humidity monitoring option
- Easy access for fast cleaning and product changeover

Machine Operation

Products are recovered with zero shard contamination or product damage during a rapid 4 stage operation:

Stage 1:

Packs are loaded into a feeding magazine and then auto-fed to the integrated cutting station.

Stage 2:

The lidding material in each pack is precision cut around the base of each pocket using pack specific tooling to ensure zero product damage and contamination.

Stage 3:

The packs are then rotated to specific press out tooling where the product is gently pushed out into the integrated, removable, 316 stainless steel collection bin. Product can now be safely returned to the production line for rework if required.

Stage 4:

Empty blister packs are rotated to a separate removable waste bin for disposal.

Tooling:

Custom tooling is supplied for each different pack size with fast delivery times.

EXTENDED WARRANTY AGREEMENT INFORMATION FOR PRESSOUT universal

Extended Warranty

All Sepha PressOut Universals are provided with a standard one (1) year warranty agreement which covers defects in materials, applicable components (detailed within the Strategic and Operational Spares) and workmanship. The option to purchase an extended warranty agreement for either one (1) year or three (3) years is also available.

How To Purchase Extended Warranty

If you wish to take advantage of an extended warranty agreement for Sepha PressOut Universal please contact your Sales Representative for detailed pricing and further information.

Alternatively contact info@sepha.com or call +44 2890 48 48 48.

Extended Warranty Agreement includes:

- **Full product warranty** on all applicable components throughout duration of extended warranty agreement
- **Full consultation service** on product setup, method development and operation throughout duration of extended warranty agreement
- **FREE additional technical support service** throughout duration of extended warranty agreement (Diagnostics / resolution for faulty products or parts)
- Comprehensive **4-stage corrective action plan** in event of defective product
- **Annual warranty service** visit
- **Labour and parts included** within warranty service visit
- **Comprehensive machine service** report
- **Full machine performance verification** (completed as part of the machine service report)
- **Priority response times** at no additional charge for faulty products falling within extended warranty agreement
 - Email response within 1 working day of initial contact with Sepha*
 - Remote support sessions (where applicable) within 1 working day of email response*
 - Expedited on-site repair visit

* Terms and conditions apply

WHICH PRESSOUT? QUICK REFERENCE TABLE

BLISTER PACK TYPE (Perforated and Imperforated)	PRESS OUT MANUAL	PRESS OUT MANUAL WIDE	PRESS OUT SEMI AUTOMATIC	PRESS OUT AUTOMATIC	PRESS OUT UNIVERSAL MINI	PRESS OUT UNIVERSAL
PUSH-THRU						
PVC/Alu PVDC/Alu PP/Alu ACLAR/Alu		✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
Alu/Alu		✓	✓	✓	✓	✓
CHILD-RESISTANT						
Push-Thru		-	-	-	✓	✓
Peelable		-	-	-	✓	✓
DIAGONAL / OFFSET		-	✓	✓	✓	✓
MULTI-PRODUCT						
In-line		✓	✓	✓	✓	✓
Staggered		-	-	-	✓	✓
CIRCULAR		-	-	-	✓	✓



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