

A COMPREHENSIVE RANGE OF PRESS-OUT
DEBLISTERING MACHINES THAT OFFER SPEED,
EFFICIENCY AND SAFETY IN THE RECOVERY OF
VALUABLE PRODUCT.



3. PRODUCT RECOVERY



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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.

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-thru 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 repacking 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 the benefits of deblistering visit www.sepha.com



PRESS OUT
MANUAL

PRESS OUT
MANUAL WIDE

PRESS OUT
SEMI AUTOMATIC

PRESS OUT

MANUAL / MANUAL WIDE / SEMI-AUTOMATIC

PORTABLE MANUAL AND SEMI-AUTOMATIC DEBLISTERING MACHINES FOR RECOVERING TABLETS AND CAPSULES FROM PUSH-THRU BLISTERS WITH IN-LINE LAYOUT. MANUAL WIDE AND SEMI-AUTOMATIC MODELS ALSO HANDLE DIAGONAL / OFFSET LAYOUTS.

FEATURES

- Portable
- No air supplies needed
- Non-slip safety pads
- Fully cGMP and easily cleaned
- Single change part
- Handles PVC/alu as well as alu/alu blisters
- Flexible - can be adjusted quickly to suit any push-thru blister pack
- Easy to use - no specialist skills needed
- Product recovered cleanly and hygienically
- Ideal for small batches
- Affordable

PRESSOUT
MANUAL



PRESSOUT
MANUAL WIDE



PRESSOUT
SEMI-AUTOMATIC





TOOLING

The single set of tooling is fully adjustable. A simple settings scale is printed on the platen plate for fast set-up within 1-2 minutes. Training takes less than 15 minutes.

PRESSOUT MANUAL / MANUAL WIDE

MACHINE OPERATION

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 MODEL -

In-line layout blister packs only.

MANUAL WIDE MODEL -

Handles blister packs with Diagonal / Offset layout as well as the more traditional 'In-line' design.

PRESSOUT SEMI-AUTOMATIC

MACHINE OPERATION

Single blister packs are automatically fed through a set of rollers. The tablets or capsules are simultaneously removed from the blister pack and separated from the waste packaging. This machine uses the same patented deblistering mechanism as the Press-Out Manual Wide, but is driven by an electrical motor which runs continuously, providing an automated feed which increases the deblistering rate to 40 blisters per minute.

TECHNICAL SPECIFICATION

	MANUAL	MANUAL WIDE	SEMI-AUTOMATIC
OPERATION	Manual	Manual	Semi-automatic
BLISTER TYPE	Push-thru	Push-thru	Push-thru
BLISTER LAYOUT	In-line	In-line and Diagonal / Offset	In-line and Diagonal / Offset
FORMAT Width	120mm (4.7")	170mm (6.7")	170mm (6.7")
DIMENSIONS Length	Unlimited	Unlimited	Unlimited
CONSTRUCTION	All product contact areas constructed from Stainless Steel (Grade 316) and ABS Food Grade		
POWER SUPPLIES	None required	None required	Electricity: Single Phase 110/230V
OPERATING SPEED	Up to 20 blisters per minute	Up to 20 blisters per minute	Up to 40 blisters per minute
MACHINE DIMENSIONS			
Width	200mm (8")	380mm (15")	365mm (14.4")
Length	300mm (12")	295mm (12")	340mm (13.4")
Height	200mm (8")	230mm (9")	250mm (9.8")
MACHINE WEIGHT	6.5kg (15lbs)	8kg (18lbs)	16kg (35lbs)
SHIPPING WEIGHT	8.5kg (19lbs)	11.5kg (25lbs)	28kg (61lbs)
TOOLING CHANGEOVER	3 minutes	3 minutes	3 minutes



PRESS OUT AUTOMATIC

PRESS OUT AUTOMATIC

DEBLISTERING MACHINE FOR RECOVERING TABLETS AND CAPSULES FROM PUSH-THRU AND MULTI-PRODUCT BLISTERS WITH IN-LINE AND DIAGONAL / OFFSET LAYOUTS.

FEATURES

- Automatic feed
- Easy to use with no specialist skills required
- User interface with fault indicators
- Variable speed up to 60 blisters per minute
- Handles PVC/alu as well as alu/alu blisters
- No air supplies needed
- Low-cost tooling, fast turnaround
- Fully cGMP
- Custom or adjustable tooling
- Maintenance free
- No product or foil contamination
- Easy and fast to clean
- Wide model available for larger packs



STATE-OF-THE-ART DEBLISTERING SOLUTION FOR THE PHARMACEUTICAL INDUSTRY WITH UNRIVALLED RECOVERY RATES, FLEXIBILITY AND SPEED.



MACHINE OPERATION

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.
3. A status panel on the user interface allows operators to quickly and easily identify the location of any faults during machine operation.

TOOLING

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

TECHNICAL SPECIFICATION

	AUTOMATIC	AUTOMATIC WIDE
OPERATION	Automatic	Automatic
BLISTER TYPE	Push-thru and Multi-product	Push-thru and Multi-product
BLISTER LAYOUT	In-line and Diagonal / Offset	In-line and Diagonal / Offset
FORMAT Width	105mm (4.1")	150mm (5.9")
DIMENSIONS Length	120mm (4.7")	120mm (4.7")
CONSTRUCTION	All product contact areas constructed from Stainless Steel (Grade 316) and ABS Food Grade	
POWER SUPPLIES	Electricity: Single Phase 110/230V	
OPERATING SPEED	Up to 60 blisters per minute	Up to 60 blisters per minute
MACHINE DIMENSIONS		
Width	620mm (24.4")	620mm (24.4")
Length	620mm (24.4")	620mm (24.4")
Height	1170mm (46.1")	1170mm (46.1")
MACHINE WEIGHT	65kg (143lbs)	85kg (187.4 lbs)
SHIPPING WEIGHT	120kg (264lbs)	140kg (308.6lbs)
TOOLING CHANGEOVER	3 minutes	3 minutes



PRESS OUT
UNIVERSAL

PRESS OUT
MINI UNIVERSAL

PRESS OUT

UNIVERSAL

MINI UNIVERSAL

FULLY AUTOMATED, HIGH SPEED DEBLISTERING MACHINE CAPABLE OF REMOVING PRODUCT FROM UP TO 50 BLISTER PACKS PER MINUTE. SOPHISTICATED, GENTLE CUTTING TECHNOLOGY MAKES IT IDEAL FOR RECOVERING HIGH VALUE, FRAGILE TABLETS AND CAPSULES FROM ALL TYPES OF BLISTER PACK MATERIAL, INCLUDING ALU/ALU AND CHILD RESISTANT PACKS.

FEATURES

- Automated, variable speed control & operation setting
- Capable of removing product from child resistant packs
- Automatic feed
- Can deblisten 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



PRESS OUT

UNIVERSAL



POU 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.

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 separate removable waste bin for disposal.

POU MINI

Similar in features to the larger POU, only semi-automatic. Further details available on request from Sepha.

TOOLING

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

TECHNICAL SPECIFICATION

	MINI UNIVERSAL	UNIVERSAL
OPERATION	Semi-Automatic	Automatic
BLISTER TYPE	Push-thru and Child-resistant / Peelable / Multi-product	
BLISTER LAYOUT	All	All
FORMAT Width	Minimum 30mm (1.2")	Maximum 105mm
DIMENSIONS Length	Minimum 65mm (2.5")	Maximum 140mm
	*larger pack sizes may be possible upon request	
CONSTRUCTION	All product contact areas constructed from Stainless Steel (Grade 316) and ABS Food Grade	
POWER SUPPLIES	Electricity: Single Phase 110/230V Air Supply: 6 Bar	
OPERATING SPEED	Up to 20 blisters per minute	Up to 50 blisters per minute
MACHINE DIMENSIONS		
Width	620mm (24")	650mm (25.5")
Length	620mm (24")	1200mm (47")
Height	1325mm (52")	1300mm (51")
MACHINE WEIGHT	80kg (176lbs)	300kg (660lbs)
SHIPPING WEIGHT	150kg (330lbs)	420kg (924lbs)
TOOLING CHANGEOVER	1 minutes	5 minutes