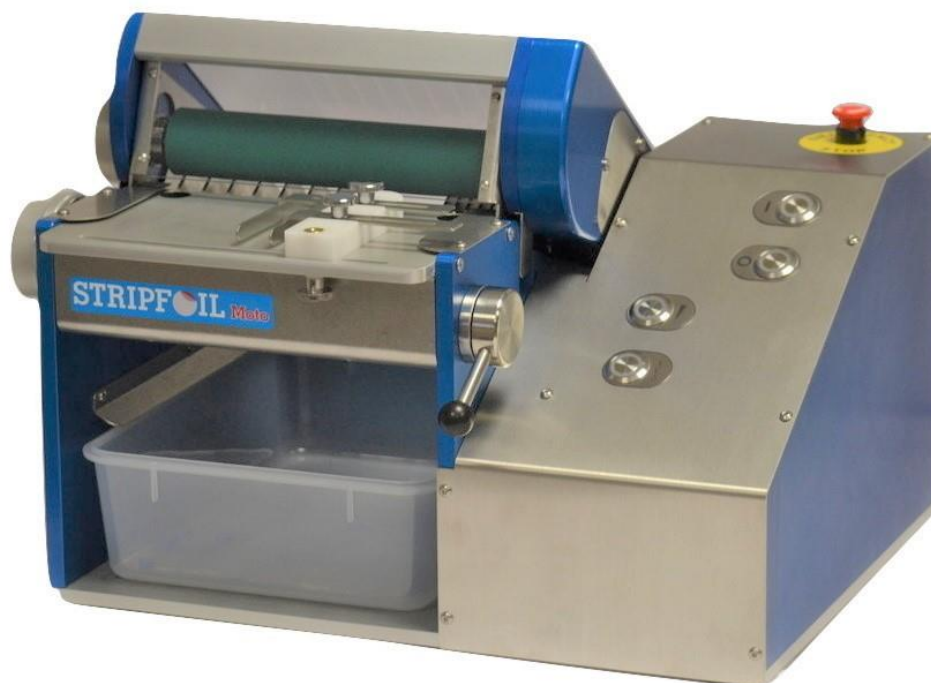




Semi-automatic Deblistering Machine



Operation Manual



Pharma Engineering Limited

66 Sandford Lane Industrial Estate, Kennington, Oxford, OX1 5RP, UK
Tel: +44 (0)1865 321 662 Fax: +44 (0)1865 739 966 E: info@Stripfoil.com

Introduction

Operate the Stripfoil Moto deblistering device on a horizontal and stable surface. Position the rear of the Machine on the edge of the table so that the empty blisters, discharged from the back of the Moto, can be collected in a bin, bag or tote. Place the tablet collection tray inside the machine ensuring it is pushed fully in.

Connect the Moto to the power supply with the lead provided and turn the switch, above the power in, to on.

Main parts

The Stripfoil Moto comprises a roller secured in the top section of the deblisterer. When in operation this section is held in the closed position by the red locking handle. The blisters are drawn over a number of wheels whose positions are primarily adjusted by the adjustment knob to the left of the machine. The empty blisters are discharged to the rear of the Stripfoil Moto while the deblistered product falls into the tray inside the machine.

Top roller

Roller securing knob

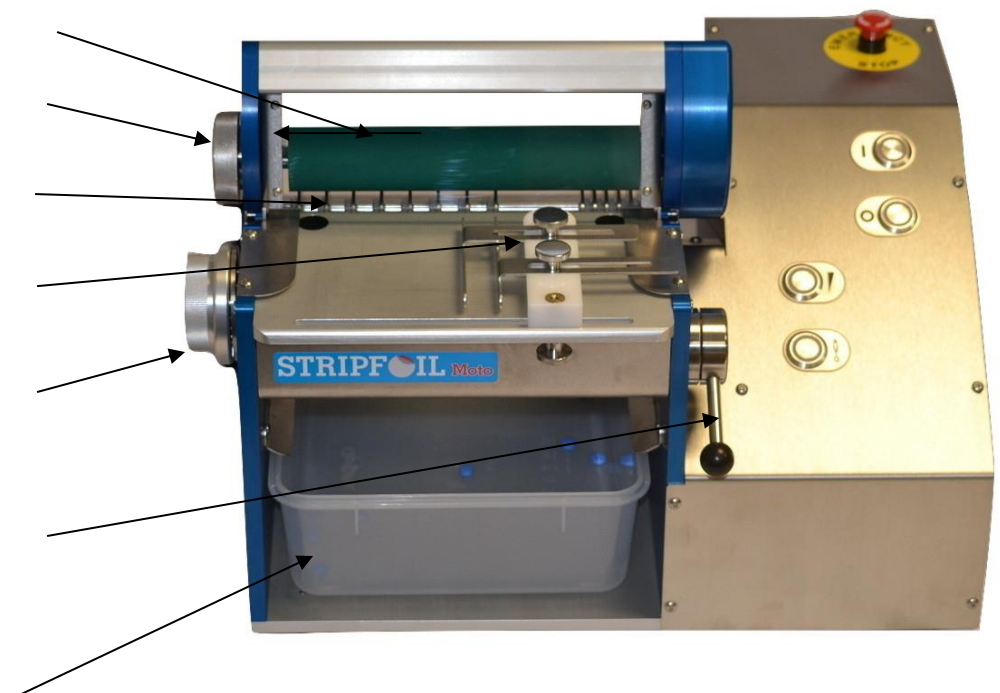
Adjustable wheels
on removable shaft

Diagonal blister
guides

Wheel adjustment
knob

Upper section
locking handle and
pressure
adjustment

Product recovery
tray





Start

Stop

Speed adjust (in
slow, out fast)

Auto – sensor
override for
continuous rotation

Operation



The Stripfoil Moto recovers the product by drawing the blister between the top roller and the adjustable wheels; the wheels should be positioned so that they support the blister between the product rows and at the sides of the blister. Once the start button is pressed and the blister inserted into the roller it is then drawn along the bed of the machine, product side up.

Rotating the locking handle downwards increases the pressure between the top roller and the blister.



The following process should be used when operating the Stripfoil Moto:

1. Move the locking handle upwards so the top section is released.
2. Adjust the wheel positions to the individual blister layout. See the section 'Setting the wheel positions'.
3. Ensure a wheel supports the right-hand edge of the blister.
4. Lower the top section and secure in place by lowering the locking handle. The pressure on the blister can be adjusted by movement of this handle.
5. Ensure the Moto is plugged in, the Emergency Stop is released and the product recovery tray is in position.
6. Place a blister on the side of the bed so that the edge of the blister is fully under the guide and the first row of product is tight against the guide as shown above.
7. The diagonal guides can be positioned to hold the right-hand side of the blister, as shown in the picture above.
8. Press the green start button, which should illuminate.
9. Push the blister forward under the roller, keeping the first row of product against the guide. The motor will start when the black sensor in front of the Top Roller detects a blister.
10. Inspect the recovered product and empty blister.
11. If required repeat from step 1 amending the position of the wheels or of the locking handle until the blister is successfully deblistered.
12. If this still fails to recover the product a different diameter rollers can be selected. Whilst the larger rollers are normally suited to larger or more delicate products they may also give improved recovery with other medications.
13. Once deblistering is complete clean the deblistering machine before recovering the next product. See the section 'cleaning'.

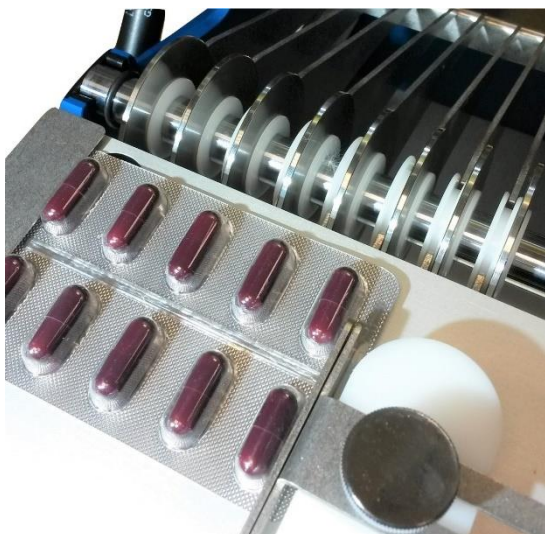
Setting the wheel positions

Notes:

- the deblistering wheels can only be adjusted when the top is in the raised position.
- capsules and caplets (ovals) should be fed pointed end first, see capsule picture below
- **It is vital that the free edge of the blister is supported by a wheel.**
- When deblistering a standard blister, using the right hand or left hand guides, the adjustable diagonal guides can be used to hold the free edge of the blister if required.

Regularly spaced blisters

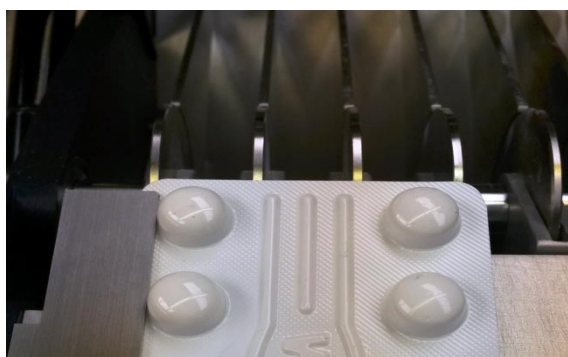
The left-hand wheels move in a concertina action for quick adjustment for regularly spaced blisters.



Place the blister on the bed of the Stripfoil so the left-hand product row is tight against the guide. Rotate the adjustment knob so the wheels are positioned between the product rows and also support the right-hand edge of the blister. For fine setting extend the wheels slightly further than required then close the wheel spacing for the individual blister.



An alternative method is to adjust the wheels so they are in approximately the correct position and then make the final adjustments with the blister inverted on top of the wheels. Place the blister product side down on top of the wheels with the left-hand row of product against the left-hand wheel then turn the adjustment knob so that the wheels are positioned between the product rows and also support the right hand edge of the blister. Remove the blister, lower the top section and feed the blister product side up. This is also a useful check that the wheels are correctly positioned.



For blisters with widely spaced product it may be necessary to support the product either side of the product rows.

Irregularly spaced blisters

The five wheels to the right hand side can be moved individually for irregular blisters.



Separate the 5 wheels and position the right-hand wheel in line with the right-hand side guide. Place the blister so the right-hand product row is tight against the right-hand guide. Move each wheel individually so the blister is supported either side of each product row and also supported at the left-hand side edge of the blister. It may be necessary to have 2 wheels between products if they are widely spaced. The extreme right concertina wheel may also be used to support the left-hand edge of the blister if required. The two blister glides clip between the wheels.

Diagonal product



Product which is lying diagonally on the blister can be recovered using the adjustable guide. Release the thumb screw holding the guide in position and locate it to the right of the bed. Adjust the spacing of the support wheels as for regular blisters, however it is often best not to use the far left wheel. Place the blister in the feeding position on the bed and adjust the two guides to suit the product spacing on the blister and to hold the blister in position when feeding. Feed the blister so that the product is at right angles to the top roller.

When deblistering diagonal product use the Auto mode, by pressing the orange Auto button, to override the sensors.

Changing the top roller

With use the coating of the flexible top roller will wear out. Since the roller is used predominantly on the left side, it can be reversed. With the top of the Stripfoil Moto in the raised position unscrew the roller securing knob. Withdraw the roller and reinsert with the right-hand end of the roller engaging with the housing.

If the coating of the top roller is worn out on both sides it will need replacing.



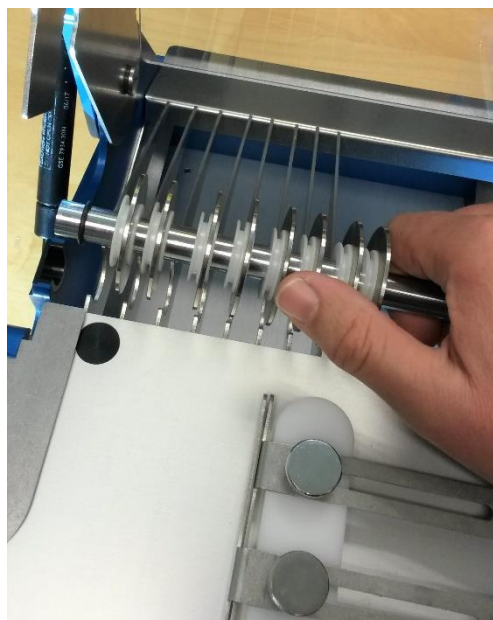
Choice of top roller



Alternative top rollers are available. While the majority of products can be recovered with the standard yellow roller, and adjustment of the roller pressure using the locking handle, larger or more fragile medication may be more successfully deblistered with the larger diameter rollers.

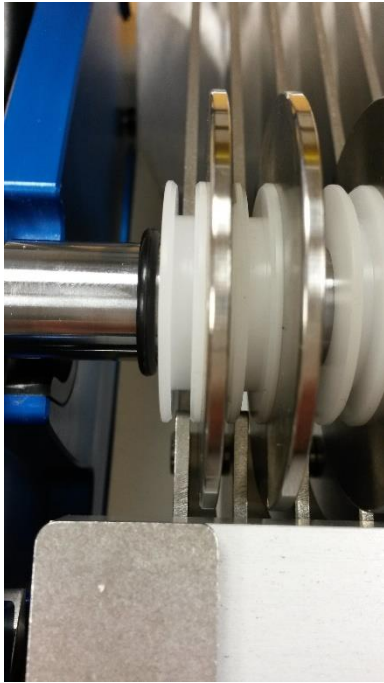
When using the larger diameter rollers, the top section will engage in a different locking position when closed (see picture).

Cleaning



The Stripfoil Moto should be cleaned between different medications **and at least once a day**.

With the top of the deblisterer in the raised position remove the wheel section by lifting out of the wheels and shaft as a unit. Clean the wheels and shaft. Clean the concertina assembly including the blister waste deflectors, the product collection tray and the empty blister collection tray. Inspect and, if necessary, clean the top roller. Inspect the machine for rogue tablets.



Replacing the wheels

To replace the wheels and shaft in the concertina mechanism wind all the guides closed to the left-hand side and slide the wheels to the left side of the shaft. Replace the wheels so that each plastic wheel guild fits the metal support to its left.

Maintenance

Normally no maintenance is required because all rotating parts have maintenance-free bearings. However, it is vital that the wheels and supporting shaft are cleaned regularly, daily as a Minimum.

Spare parts

Spare parts can be order by contacting Pharma Engineering Ltd at the address below.

Safety

The Stripfoil is fitted with the following safety features:

- a 3 Amp fuse at the rear of the machine
- an emergency stop button on the top of the control panel, the deblister machine will not start if this is depressed
- a clear guard to the front of the machine which turns of the motor if lifted, to prevent fingers being trapped in the roller.

Troubleshooting

Machine doesn't start

- check that the Moto is plugged in and turned on with the switch on the back
- check the emergency stop is out
- check that the front clear guard is not stuck in the up position

Blister jams between the rollers

- check that the wheels are adjusted correctly
- ensure the blister is pushed forward with the product tight to the guide
- use the diagonal guides to secure the free edge of the blister
- adjust the roller pressure using the locking handle
- try using a different top roller
- for larger products engage the top roller section in a different locking position.

Product is damaged

- check that the wheels are adjusted correctly and are not too close to the product
- check that the wheels have not moved out of position during use
- ensure the blister is pushed forward with the product tight to the guide
- use the diagonal guides to secure the free edge of the blister
- adjust the roller pressure using the locking handle
- try deblistering the blister in a different orientation
- try using a different top roller
- try using the individual wheels on the right-hand side of the bed
- for larger products engage the top roller section in a different locking position.

Product doesn't deblister

- check that the wheels are adjusted correctly and are close enough to the product
- check that the edge of the blister away from the guide is supported
- ensure the blister is pushed forward with the product tight to the guide
- ensure that the top section is locked closed and in the correct position
- adjust the roller pressure using the handle
- try deblistering the blister in a different orientation
- try deblistering using the individually set right hand wheels
- try using a different top roller.

Wheels don't move smoothly when adjusting

- remove the wheels and shaft from the concertina assembly and clean thoroughly.



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