Product instruction manual
Easymount Hybrid

easymount®
HYBRID

The Easymount Hybrid has been designed to be user friendly, however we strongly recommend you take a few minutes to read through this manual to ensure correct operation.

Keep this manual safe for future reference.

Safety Instructions

- Please ensure that the voltages of power supply you are using match with rated working voltages before operating the machine
- The power supply should be close to the machine for convenient use
- The power supply should provide reliable protective earthing connection
- This machine must be earthed reliably to ensure the safety of the machine during operation
- Only the operators of this machine should operate the electric or motion components/controls
- Please don't use damaged wires or sockets
- Please keep children away from touching and operating this machine
- Please do not spray water or other liquid on the machine otherwise electric shock or machine faults could occur
- Please do not replace power cord or plugs yourself, do not put heavy objects on the power lines as this may cause electric shocks
- During use, please take care that no clothes, neckties, hair, necklaces etc are near the machine otherwise injuries could occur
- Please don't put burrs, sharp blades or over thick rigid materials into the two rubber covered rollers (for example, tools, rulers and knives etc.)
- Don't cut adhesive films directly on the surfaces of the rubber covered rollers to avoid damage
- Please shut down this machine after laminating to avoid misuse of the machine
- At the end of the working day always lift the rollers to ensure no flat spots or distortions occur
- When you need to move this machine, please shut down the power switch and pull out the plugs
- Please be aware of the location of the wheels during moving or operating this machine to avoid foot injuries
- Always ensure the machine is positioned on a flat and level floor
- Please shut off the power supply (pull out the power plug) when the machine isn't going to be used for long periods of time.

Environmental Requirements

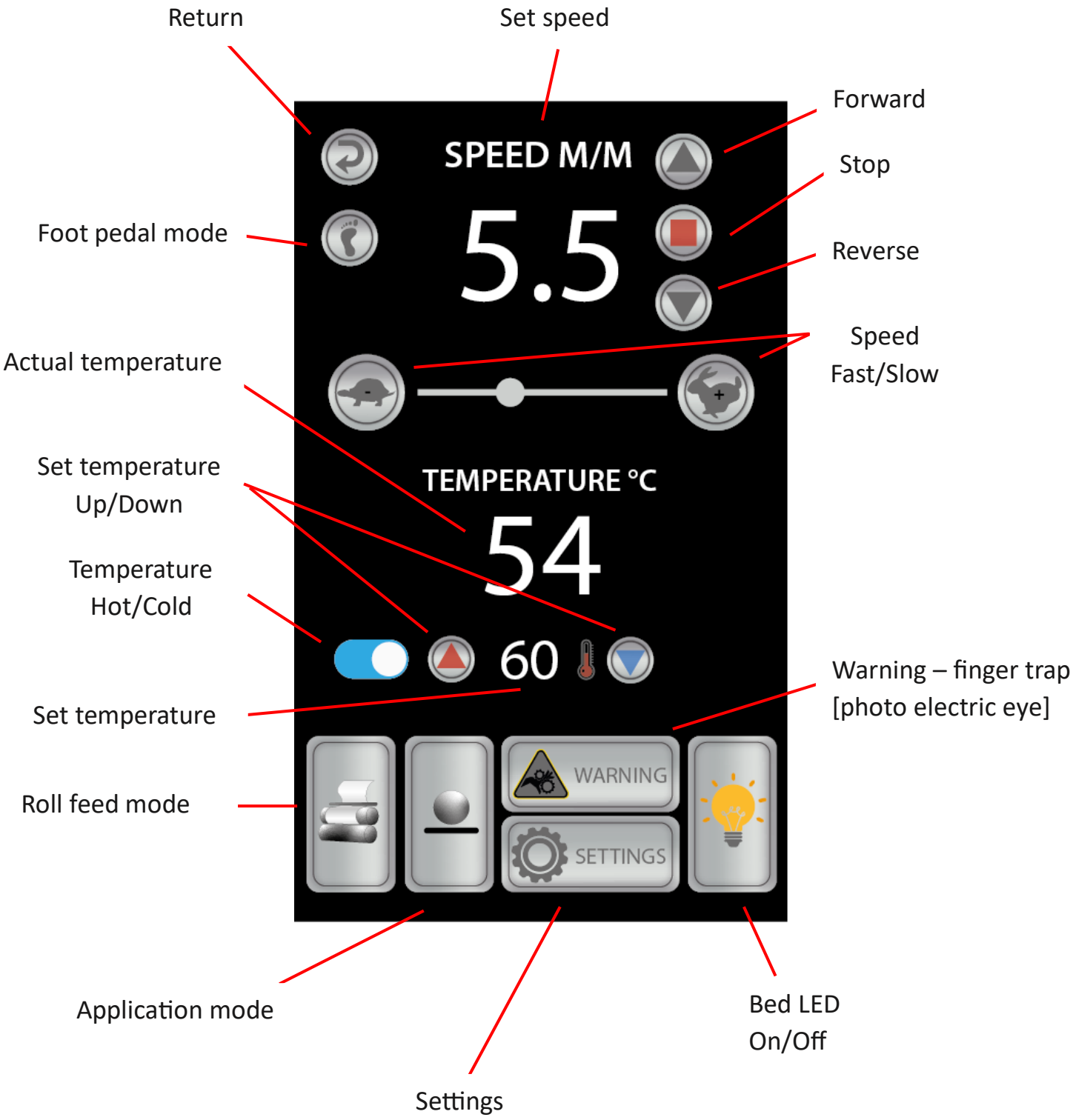
- Ambient temperature 10°C - 40°C, humidity 30% - 80%, Ideal humidity 55%
- Dust - Due to the static adherence of the film, you should keep the environment clean.
- Please do not keep the machine in direct sunlight
- Enough space should be kept around the machine to ensure the secure and effective application.

Specifications

Easymount Air

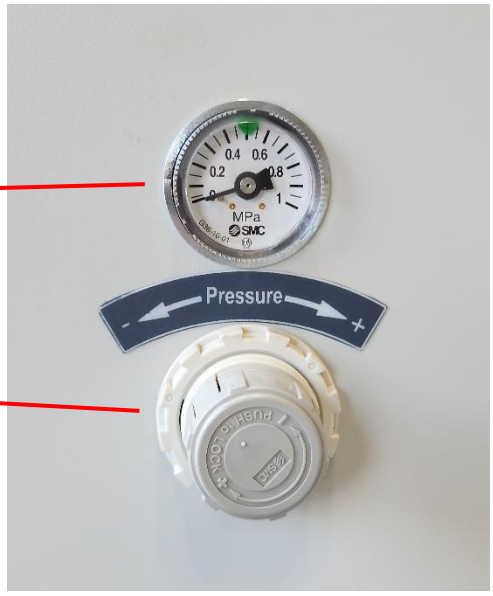
	EM-HB1600SH
Laminating Speed (meter per min)	6m
Max Laminating Width	1600mm
Mounting Thickness (mm)	45mm
Roller Diameter (mm)	130mm
Laminating Temperature (°C)	0-60°C
Control Panel	Touch Screen
Pressure Adjustment	Pneumatic
Film Core (mm)	77mm
Power Supply AC (V–Hz)	220/240–50-60
Power Consumption (W)	1500
Overall Dimensions (mm)	2300x2230x1500mm
Gross Machine Weight (Kg)	680Kg
Extension Table Gross Machine Weight (Kg)	520Kg
Warranty	1 year

The Controls



Pressure gauge
for Roller

Pressure Valve
for Roller



Main pressure gauge
For machine

Main Pressure Valve
For Roller

Components of the Laminator

1. Emergency stop x 2
2. Touch Screen control panel
3. Pneumatic roller up/down x 2
4. Pneumatic hoover Lock switch
5. Handle x 2
6. Laminating mandrel
7. Take up unit
8. Extension Table
9. Media mandrel
10. Lift-up Feed Table

Compressor Operation & Maintenance

Operation

Refer to exploded parts diagrams and illustrations when reading this section.

Oil level CHECK OIL LEVEL BEFORE USE

Model 35/20

- Remove oil filler plug - *see fig 1*
- Pour oil into motor until correct level is reached - indicated on the oil sight glass, approx 500cc - *see fig 2*
- Refit the oil filler plug - but do not over-tighten.

Note!
Always use SB42/46 compressor oil. Failure to do so will invalidate your warranty.

Starting & Stopping

Plug the compressor into an outlet socket of nominal voltage and fitted with a 13amp fuse.

Switch the compressor on using the red button on top of the pressure switch. Pull knob up to switch on, push down to switch off – *see fig 3.*

The compressor will start running and automatically switch off at the preset pressure.

As air is used the pressure drops and the motor will restart at the preset pressure. Approx 2 Bar differential.

Note!
Never tamper with the pressure switch settings, these are factory set.

Adjusting Outlet Pressure

Use the filter regulator to adjust the outlet pressure. The 40mm pressure gauge indicates the selected pressure. To increase line pressure rotate the black knob on top of the filter regulator in a clockwise manner, to decrease turn anti clockwise. It is possible to lock the setting by pushing the knob down until it "clicks" home – *see fig 4.*

Routine Maintenance

Draining the Air Receiver

Drain condensate from air receiver at a pressure of no more than 2 Bar.
Slowly open the drain tap provided to allow water to flow out – *see figs 7 & 8.*
Close drain tap when all water has drained off.
Do not overtighten, this will damage the tap seal.
Automatic drains where fitted do not require draining, however the drain bottle will require emptying.

Draining the Filter/Regulator Unit

Slowly open the drain screw provided to allow water to flow out – *see fig 5.*
Close the drain screw when all water has drained off.

Note !
The waste condensate must be handled in accordance with national environmental rules.

Check Pressure Relief Valve

Ensure the air receiver is not pressurised. Unscrew the knurled end of the pressure relief valve until an audible "click" is heard. Retighten without using excessive force – *see fig 6.*

Technical

The compressor has a maximum 50% duty cycle. The motor must never be allowed to run continuously otherwise it will overheat and may become damaged.

Do not ignore air leaks. All air connections must be leak free to prevent the compressor from over heating.

The compressor is fitted with a thermal overload. In the event of excessive temperature the motor will switch off. After about 50 minutes when the motor has cooled it will automatically reset.

Note !
You must find the cause of the overload and rectify this before continuing to use the compressor.

Check for -

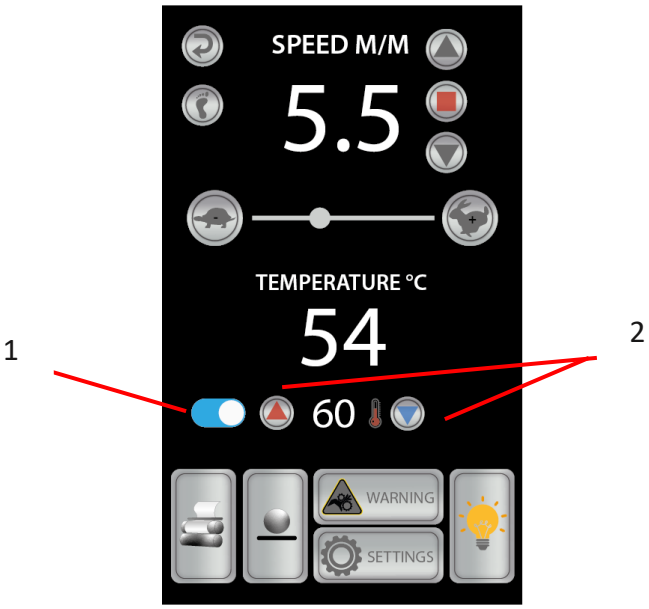
- Drain tap not closed properly
- Air leaks on the pneumatic fittings
- Compressor not the correct size for the work load

Set-up

Ensure the system is positioned and levelled. Please read all safety requirements before operating your Easymount.

Connect the foot pedal into the remaining socket at the rear of the main system.

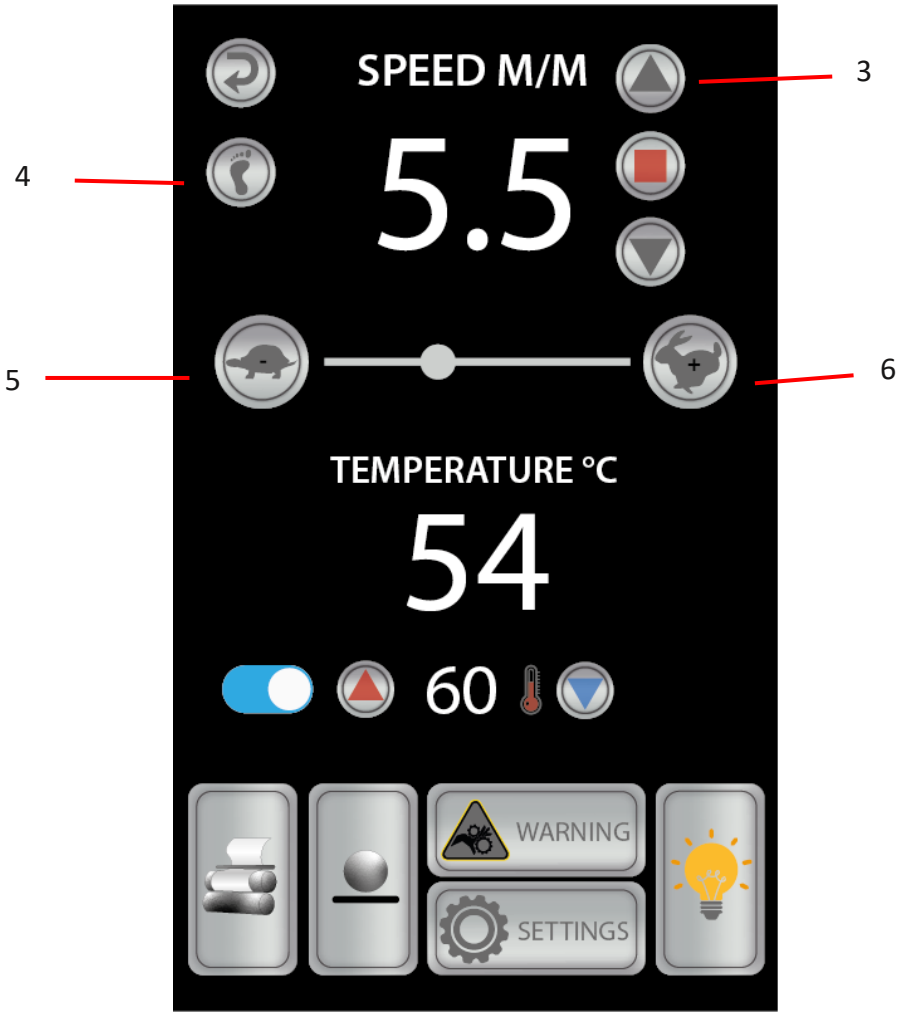
The Easymount can be run either cold or warm to switch between the two modes press the temperature on button [1] as shown on the control panel below.



Set the desired temperature using the up or down buttons [2] on the control as shown above. Both the set temperature and the actual temperature are displayed.

Set-up

To drive the roller, press either the forward drive button [3] for continuous drive or for the foot switch select the foot pedal button [4] then select the forward button [3] as shown below. The foot switch overrides the magic eye, it is advisable to start the machine with the foot pedal mode while loading and then change to continuous mode when finished.



The films will then begin to be drawn through the machine. NOTE: When using continuous mode if the ‘magic eye’ sensor is blocked by material or hands the machine will stop, to override the sensor select the foot pedal mode [4]. You can adjust the rate at which the machine laminates by changing the speed using the plus or minus buttons [5 & 6] up to a maximum of 6m/min.

Installation of Laminating Films and Media Rolls

Open the mandrel locating sleeve as shown Figure 1 and 2

Figure 1

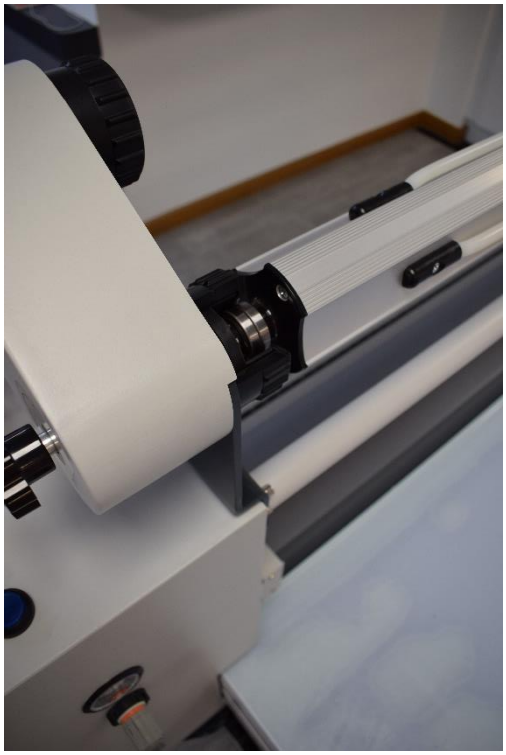


Figure 2

Remove the self-gripping mandrel and slide into the film core as shown in figure 3 and 4.

Figure 3

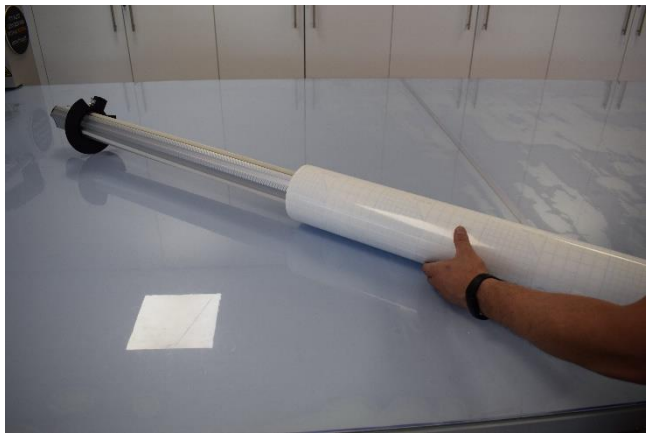


Figure 4

Place the film back into its holder and close the locking sleeve as shown in figure 5 and add tension to the roll as shown in figure 6

Figure 5

Figure 6

Do the same process for media you require laminating as shown in figure 7.

Figure 7

Film Loading

Thread the film directly to the top laminating roller [Figure 8] and through the centre of the rollers [Figure 9]. Pull the film taught and lower the top roller [Figure 10]. For threading Diagram see Figure 11.

Figure 8

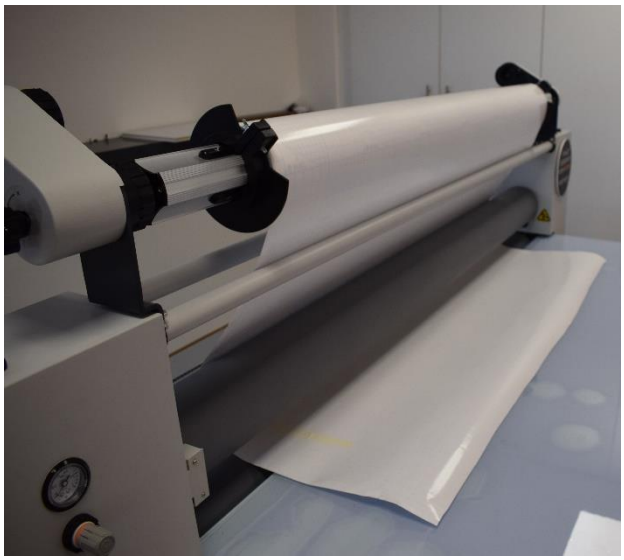


Figure 9

Figure 10

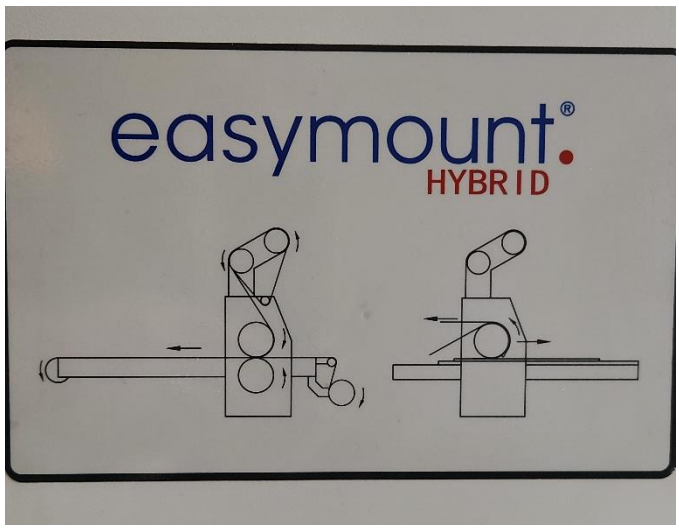


Figure 11

Tear the backing slightly [Figure 12] and insert the safety knife [Figure 13]. Pull the safety knife across the film ensuring it does NOT contact the roller.

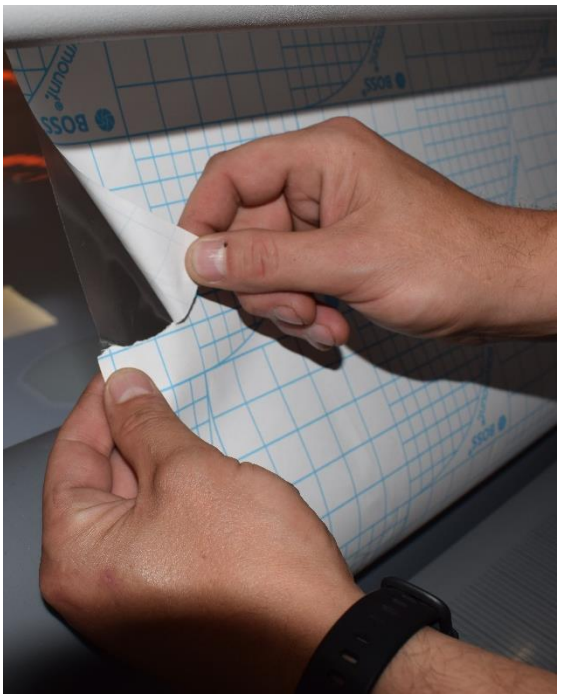


Figure 12

Figure 13

Pull the backing down and place a piece of material the same size or bigger than you laminate as shown in figure 14, overlapping the backing spread the material out and feed into the machine using the foot pedal mode.

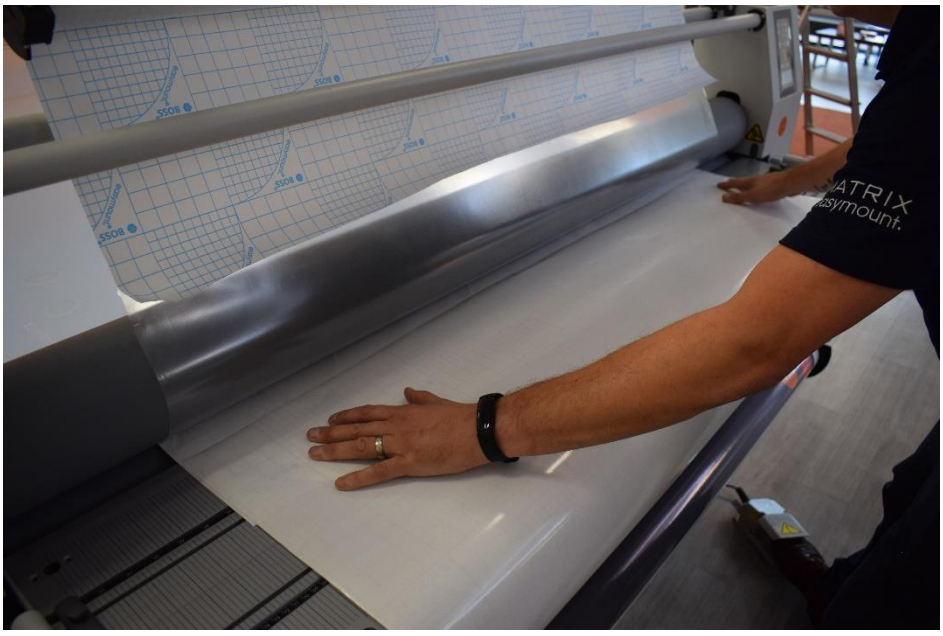


Figure 14

Pull the backing up from the centre and secure to the wastepaper mandrel [Figure 15].

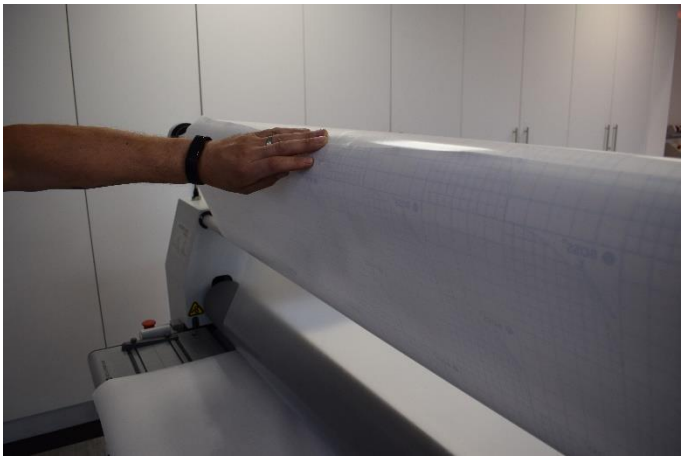


Figure 15

Loading Roll to Roll

Open the lift up feed table [Figure 16] and thread the media around the idle bar and through the centre of the rollers [Figure 17].

Figure 16

Figure 17

Pull the laminate and media taught and then lower roller [Figure 18]. Connect the laminated material to the take up unit [Figure 19].

Figure 18

Figure 19

To sync the take up unit to the machine select Forward and combine on the control panel of the take up.

Figure 20

Laminating Adjustments

Temperature

Most pressure sensitive films benefit from around 40°C / 104°F of heat being applied to help eliminate ‘silvering’. If you don’t get the desired result with 40°C / 104°F continue adding 5°C / 41°F of heat until you get the finish required.

Speed

Adjust the speed until you get the required results

Roller Pressure

Lamination requires usually 0 to 0.1 on the pressure gauge and no more than 0.2 as this can cause creasing. The pressure can only by viewed while the roller is in the down position. Diabond requires between 0.4 and 0.6 pressure. If the media is bunching up in the middle of the roller, then too much pressure is being used and needs to be reduced.

General Maintenance

The most expensive part of a laminator is usually the rollers. If these become damaged, they are costly to repair. Always ensure you look after the rollers and clean them regularly to avoid a build-up of glue (see advice below). Never hold a sharp object such as a knife close to the rollers in case of catching the rubber as this could cause permanent damage that will affect the result of your work.

When your laminator is cooling down, always separate the rollers using the roller pressure control, this will ensure that your rollers do not touch when still hot as this could leave a 'flat spot'.

Cleaning the rollers

It is easier to remove adhesive from the rollers when they are warm. Do not attempt this if the system is hot (above 40oC). Always use a clean cloth and a mild anti-static foam cleaner such as Amberclens by Ambersil or similar. Do not use a heavy-duty solvent or anything abrasive.

If the film becomes jammed in the system in any way and there is a large build-up of adhesive, do not try and remove this yourself. Contact us for advice.

Warranty & Incorrect Use

IMPORTANT INFORMATION

Your laminator should reach you in perfect condition, however If your laminator arrives damaged or faulty in anyway, this must be reported to your supplier immediately. If you send your laminator back for repair under warranty at any time, then the warranty may be void if the laminator is not packaged correctly and as a result is damaged in transit. The laminator you have purchased comes with a 1-year warranty on defective parts. THIS DOES NOT COVER any jams, misfeeds or wrap arounds caused by operator error and you will be liable for the repair costs (including delivery charges) if the damage is caused by operator error.