

Product instruction manual Easymount Wide Format Laminators

easymount.[®]



The Easymount 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.

Contents

Page 3 - Introduction
Page 4 - Safety Instructions and Environmental requirements
Page 5 - Control panel and specifications
Page 6 - Installation of laminating films
Page 7 - Film loading
Page 8 - Feeding the film and cold laminating
Page 9 - Cold laminating and Single Hot laminating
Page 10 - Mount film and optional extras
Page 11 - Laminating adjustments
Page 12 - Warranty and Incorrect use

Introduction

Thank you for purchasing the Easymount laminator.

Easymount is a high performance wide format mounting and laminating system with a solid construction built to last.

The Easymount is great for mounting prints to boards and applying pressure sensitive laminates as well as applying application tapes, double sided adhesives and vinyls.

The system is easy to use and much faster than squeegeeing by hand and is an ideal solution to eliminating the hassles and expense of outsourcing.

Please read these instructions carefully before starting to use the system to ensure you get the best results and are competent at operation.

Should you experience any problems please contact us and we will be happy to help.



Easymount Cold



Easymount Single Heated Roller (SH)

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 so as 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 gap 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 / 50°F - 104°F, humidity 30% - 80%, Ideal humidity 55%
- Dust - Due to the static adherence of the film, you should keep the environment clean, a dust cover is provided with the machine
- Please do not keep the machines in direct sunlight
- Please do not keep the machine in or around dusty areas
- Enough space should be kept around the machine to ensure the secure and effective application. The minimum holding areas are 2.5m x 3m / 8x10ft

The Control Panel



EasyMount Cold



EasyMount Single Heated Roller (SH)

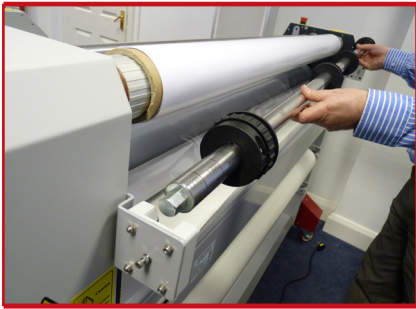
Specifications

	EM-1200	EM-1400	EM-1600
Max Laminating Width	1200mm / 47"	1400mm / 55"	1600mm / 63"
Max Laminating Thickness	25mm / 1"		
Temperature of Rubber Roller	Ambient temperature to 60°C / 140°F		
Approx Highest Line Speed	6m/20ft /min		
Approx Lowest Line Speed	0.7m/2ft /min (adjusting the pressure and speeds)		
Rated Working Voltage/Frequency	220V, 50Hz (100V, 60Hz)		
Rate Input Power	900W	1000W	1300W
Dimensions	1790 x 650 x 1255mm / 70 x 26 x 49"	1990 x 650 x 1255mm / 78 x 26 x 49"	2190 x 650 x 1255mm / 86 x 26 x 49"
Net Weight	185kg / 407lbs	210kg / 462lbs	245kg / 540lbs

	EM-1200SH	EM-1400SH	EM-1600SH	EM-2100SH
Max Laminating Width	1200mm / 47"	1400mm / 55"	1600mm / 63"	2100mm / 82"
Max Laminating Thickness	25mm / 1"			
Temperature of Rubber Roller	Ambient temperature to 60°C / 140°F			
Approx Highest Line Speed	6m/20ft /min			
Approx Lowest Line Speed	0.7m/2ft /min (adjusting the pressure and speeds)			
Rated Working Voltage/Frequency	220V, 50Hz (100V, 60Hz)			
Rate Input Power	970W	1310W	1500W	1800W
Dimensions	1790 x 650 x 1255mm / 70 x 26 x 49"	1990 x 650 x 1255mm / 78 x 26 x 49"	2190 x 650 x 1255mm / 86 x 26 x 49"	2650 x 650 x 1255mm / 104 x 26 x 49"
Net Weight	185kg / 407lbs	210kg / 462lbs	245kg / 540lbs	280kg / 617lbs

Installation of Laminating Films

Pressure sensitive film (loaded on the top mandrel)



1. Remove the top mandrel from the mandrel support brackets



2. Loosen the two fastening screws on one of the mandrel core grips, slide off one side.
3. Slide on the film positioning it centrally on the mandrel and re-fix the core grips.
4. Release the tension on the film by turning the 'friction adjustment sleeve'



5. Re-load the mandrel on to the bracket with the film feeding from the bottom of the mandrel if the film is wound with the film on the outside of off the top of the roll if the film is wound on the inside.

Liner paper/Mount film (loaded on the bottom mandrel)



1. Remove the mandrel from the mandrel support brackets
2. Loosen the two fastening screws on the mandrel core grips, slide off one side
3. Slide on the liner paper/mount film and position centrally to match the top

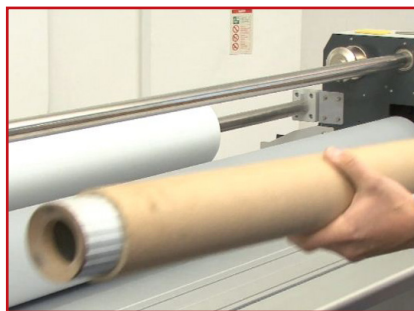


4. Re-load the mandrel into the brackets

Take up mandrel



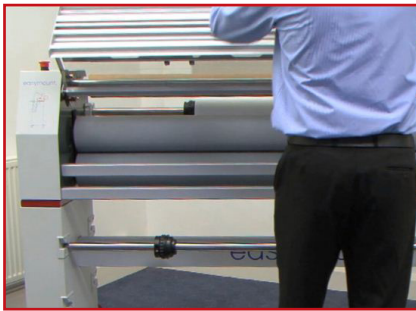
1. The take up mandrel is held in place with a spring loaded bracket: to remove push towards the spring and lift upwards



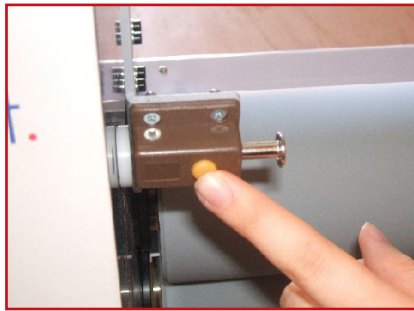
2. Slide an empty cardboard core onto the take up mandrel and replace

Film Loading

Pressure sensitive film (loaded on the top mandrel)



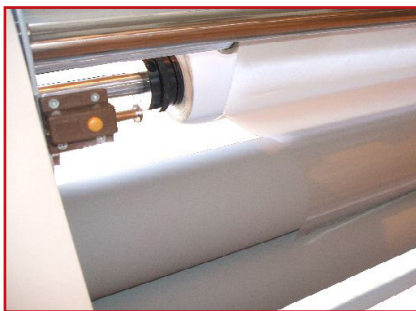
1. Lift the feed tray to the upright position and lock securely. Following the loading diagram on the left cabinet of the machine, pull the film off the bottom of the mandrel and towards the front of the machine, over the top of the upper roller



(Safety guard lock)



2. Peel back the liner paper from the film, exposing the adhesive side of the laminate and stick release liner to take up mandrel using double sided tape



3. Drape the film over the upper roller and stick the liner paper to the take up mandrel using double sided tape

Liner Paper (Load on the Bottom Mandrel)



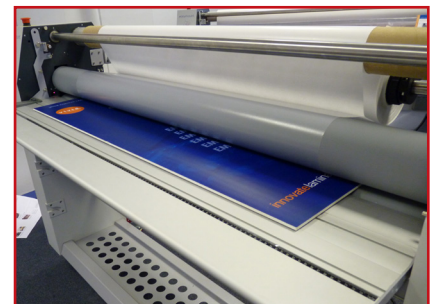
1. Following the loading diagram feed the paper up over the lower roller and stick it to the adhesive side of the pressure sensitive film



2. Using the pressure handle raise the upper roller

3. Using a piece of stiff card or mount board push the overlapped films into the nip of the roller

4. Using the roller pressure handle lower the upper roller so it clamps the material

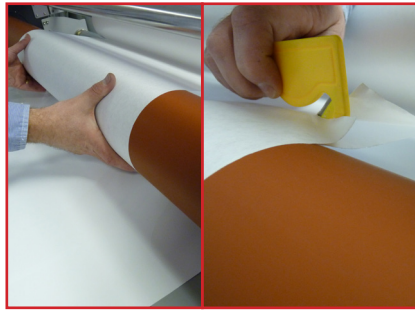


5. Press the drive button and feed through. PLEASE NOTE When the board is through the rollers the pressure handle will need to be adjusted to compensate for thickness

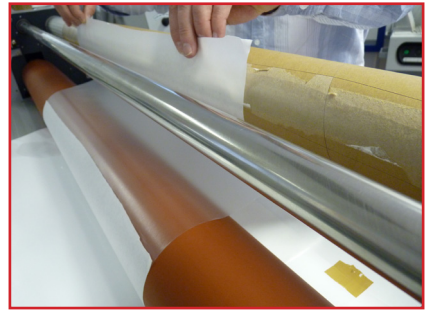
Feeding the Film



1. Using the pressure handle raise the upper roller



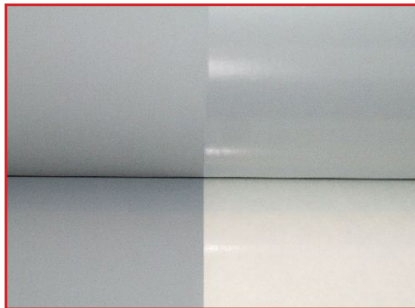
2. Place vinyl/print through rollers from feed tray and onto back plate
3. Pull laminate over the top roller and push through the rollers
4. Using the pressure wheel bring the rollers down until the handle goes in neutral mode and slight resistance is felt



5. Using the safety cutter provided slice between the release paper and film cutting only the release paper
6. Apply double sided tape to the release liner take up core and attach release liner



7. Press the 'forward' drive button. The loading card should be pulled through the machine



8. Ensure the top and bottom films match each other and don't overlap left to right. If they don't, loosen the mandrel core grip and slide the film left/right until they match and then re-tighten



9. The machine is now in its loaded state you can lower the feed table, you are now ready to laminate your prints.

Laminating - COLD



1. Plug in the foot pedal



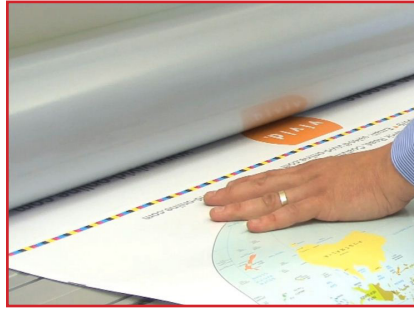
2. To drive the machine press either the drive button (left hand arrow) continuous drive or step button (middle arrow) for the foot switch. The foot switch over rides the magic eye, it is advisable to start the machine & then press the continuous button when running



3. The films will then begin to be drawn through the machine
4. You can adjust the rate at which the machine laminates by turning the speed control knob



5. Ensure that as the film is being drawn over the rollers it is smooth. If it isn't you can apply tension to the film mandrel by turning the core grip adjustment sleeve apply just enough pressure to remove any airpockets or creases

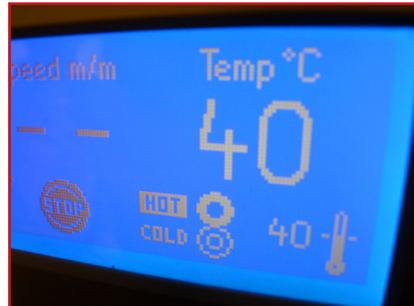


6. Your document can now be fed into the laminator. Place the document flat on the feed table and push it towards the nip of the rollers

Laminating - SINGLE HOT



1. The single heated Easymount can be run either cold or warm to switch between the two modes press the hot roller button on the control panel The display will then show HOT next to the top roller icon



2. Set the temperature to approximately 40°C/104°F using the up or down buttons. Both the set temperature and the actual temperature are displayed.



3. Plug in the foot pedal



4. To drive the machine press either the drive button (left hand arrow) continuous drive or step button (middle arrow) for the foot switch. The foot switch over rides the magic eye, it is advisable to start the machine & then press the continuous button when running



5. 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 over ride the sensor press the foot pedal



6. You can adjust the rate at which the machine laminates by turning the 'speed control knob'

Mount Film



1. Position the mount film centrally on the mandrel and lift it into position on the brackets



2. Pull the mount film up and towards the bottom roller.



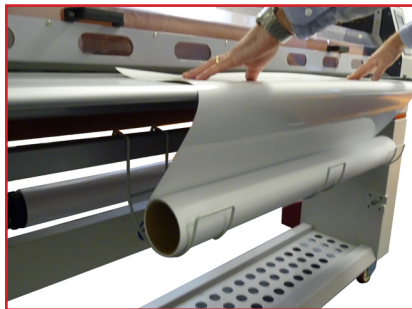
3. Stick it to the exposed pressure sensitive film as before. * Ensure the sticky side of the mount film is facing towards you and away from the roller surface.
* Go through steps of feeding the film

Optional Extras

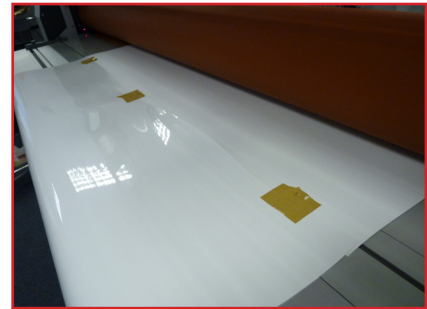
Media Brackets



1. 3 media brackets space evenly on cross member



2. Place your roll of media on the brackets and bring leading edge over the front of the feed tray



3. Either tape leading edge to feeder sheet OR...

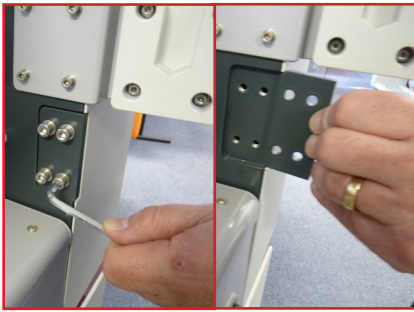


...with rollers lifted feed through the machine and attach to the take up unit (optional extra)

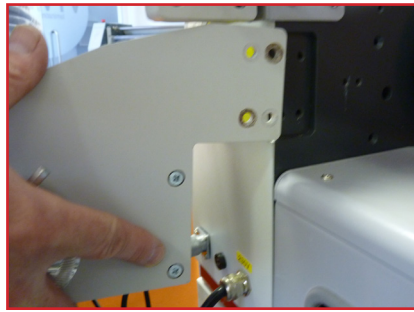


4. Lower the rollers until neutral position and tighten until you feel resistance, you are now ready to run the media from reel to reel.

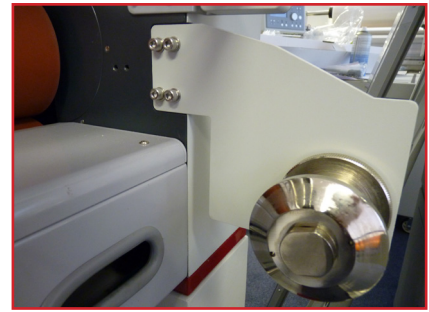
Take Up Unit



1. To fit remove blanking plates from rear of the machine



2. Fit motorized bracket in place of the blanking bracket - left hand side looking from the rear of the machine



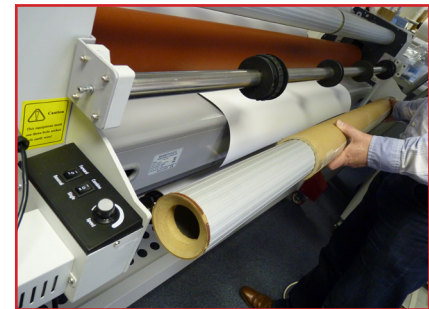
3. Fit the other bracket in place of the right hand blanking plate



4. Plug in the take up unit



5. Put a spare core onto the take up mandrel



6. Fit the take up mandrel (note the bracket is sprung loaded on the unmotorised unit). Then using double sided tape attach media/laminate to the core, the Easymount laminator is now ready to run prints reel to reel.

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

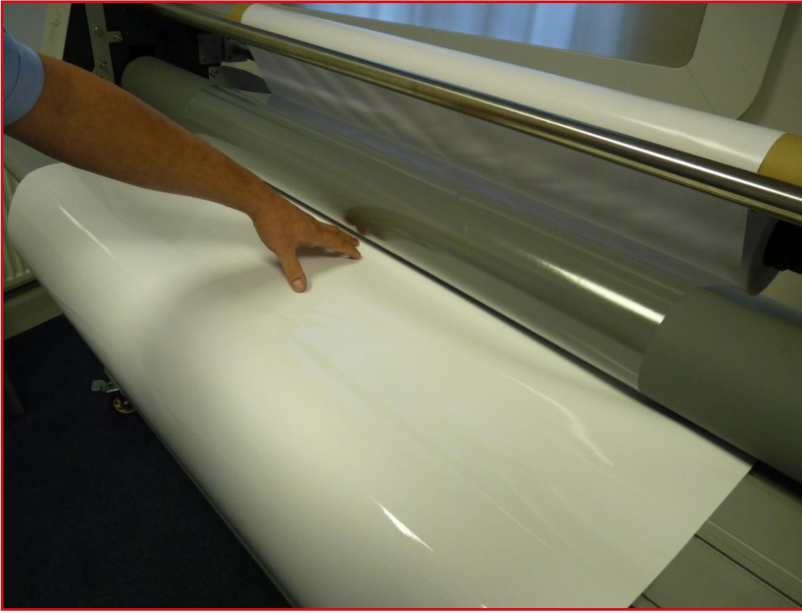
Adjust the speed until you get the required results

Roller Pressure

Under normal operation wind the roller pressure adjustment handle until the rollers meet and the handle goes into a neutral mode then turn gently until you feel resistance. Then just apply an extra $\frac{1}{8}$ of a turn to ensure there is sufficient pressure. If 'BOW' marks appear across the laminated document there is too much roller pressure applied and the top roller should be lifted slightly.

Trouble Shooting

Problem



Media lifting and wrinkling going through the rollers.
This is caused by adding too much roller pressure.

Solution



Take pressure off rollers and drop down
loosely into the neutral position.



The media will then correct itself and run
through smoothly.

Problem



Film running loose and climbing up onto the take up core. This occurs when there is NO tension added to the film.

Solution



Firstly, ensure the core collars are TIGHT to the shaft by tightening all 4 screws.

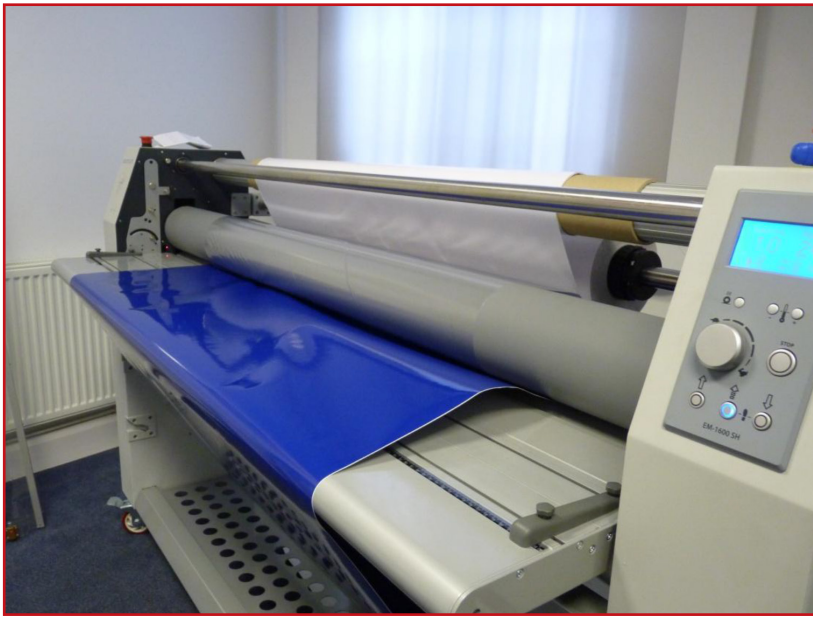


Add tension to the film by turning the core collar in the directions shown. This must be done tightly into the film.



The film will now 'tension' and separate behind the roller and run through without creasing.

Problem



Media running too tight over the feed tray. This happens when the media is loaded onto the system and fed over the feed tray.

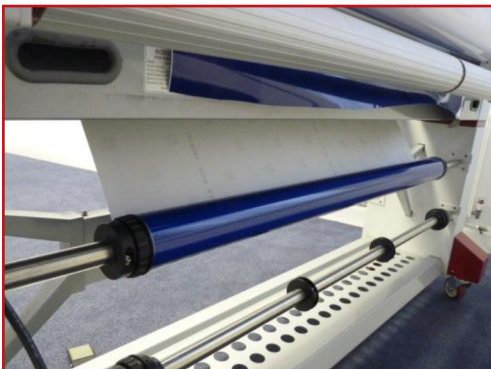
Solution



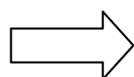
Load media on holders supplied with the machine.



OR Run media loosely through the machine.

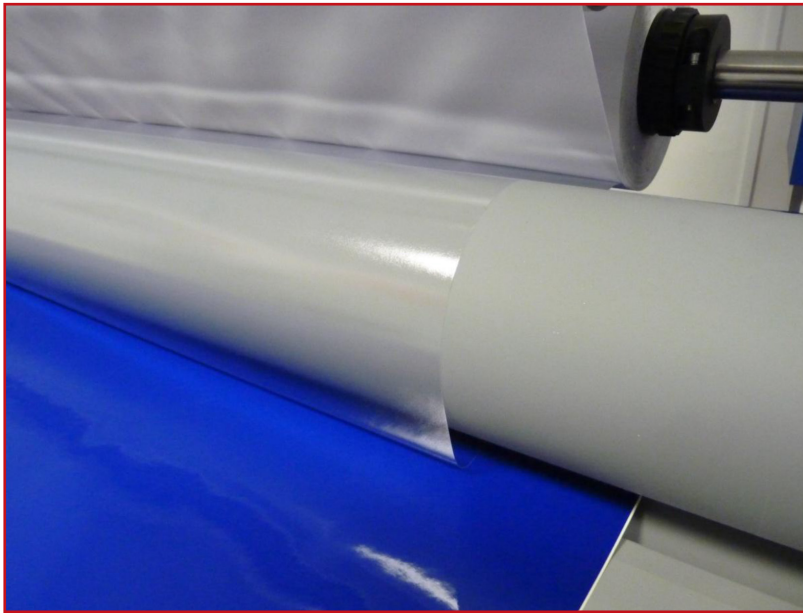


OR Run media from the top mandrel at the back of the Easymount, missing out the feed tray.



This is the preferred method when laminating a long run as the media naturally tensions over the bottom roller. Ensure the core collars are tight so the media doesn't slide. DO NOT add tension to this media roll.

Problem

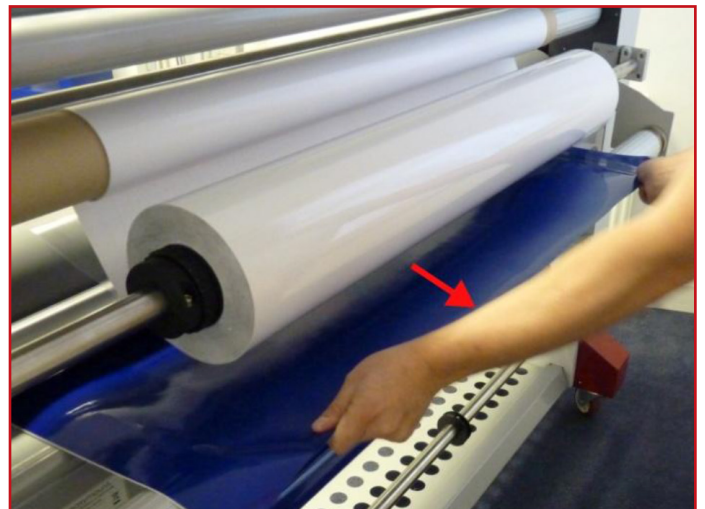


Creasing on laminate. This can occur when the laminate is loaded incorrectly.

Solution



Lift Rollers.



Pull media tightly from the back of the system. This will enable the laminating film and media to 'coat' the rollers evenly. Before running, ensure that the film is smooth and tight to the rollers. Drop the rollers down loosely and continue laminating.

Warranty & Incorrect Use

IMPORTANT INFORMATION

Your Easymount laminator should reach you in perfect condition and is guaranteed for 1 Year from date of purchase covering defective parts and general wear and tear, this does not cover film jams, misfeeds or other operator related errors, which would be chargeable. Your Easymount Laminator rollers are covered against manufacturing defects, it does not cover against any damages caused by misuse ie. being cut with a knife or damage from non Laminating or Mounting processes. Your warranty will be void if the system has been modified by a third party not approved by the manufacturer (Vivid Laminating Technologies) to carry out such alterations.

E&O.E

