

Product instruction manual
Easymount Sign Laminators
EM-S1400C, EM-S1600C, EM-S1400H, EM-S1600H, EM-S880

easymount.[®]
SIGN



The Easymount Sign 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 2 - Introduction

Page 3 - Safety Instructions and environmental requirements

Page 4 - Control panel and specifications

Page 5 to 8 - Installation of laminating films

Page 9 to 10 - Loading of media rolls

Page 11 to 13 - Trouble shooting guide

Page 14 – Laminating adjustments and maintenance

Page 15 – Warranty and incorrect use

Introduction

Thank you for purchasing the Easymount® Sign laminator.

This Easymount® Sign laminator is designed to perform and built to last. It's an easy-to-use laminating system with self-gripping mandrels and a drop down feed tray [Excludes EM-S880].

The Easymount® Sign includes an integral media take-up unit, making the system ideal for single banners or reel-to-reel laminating up to 50m in length [Excludes EM-S880].

Mount prints on-to boards and apply vinyl's, tapes and adhesive films quickly and easily. Ideal for laminating single banners, reel-to-reel laminates [Excludes EM-S880], posters, graphics, signs, pop-up displays and many more.

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 your supplier for further information.



The EM-S880 model does not have a media mandrel, take up unit and the feed tray is fixed.

Safety Instructions

- Please ensure that the voltages of the power supply you are using match with rated working voltages before operating the machine
- The power supply should be close to the system for convenient use
- The power supply should provide reliable protective earthing connection
- This system must be earthed reliably to ensure the safety of the system during operation
- Only the operators of this system 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 system
- Please do not spray water or other liquid on the system otherwise electric shock or system faults could occur
- Please do not replace the 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 system otherwise injuries could occur
- Please don't put burrs, sharp blades or over thick rigid materials between the roller (for example, tools, rulers and knives etc.)
- Don't cut adhesive films directly on the surface of the roller to avoid damage
- Please shut down the system after laminating
- At the end of the working day always gape the rollers to ensure no flat spots or distortions occur
- When you need to move the system, 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 system to avoid foot injuries
- Always ensure the system is positioned on a flat and level floor
- Please shut off the power supply (pull out the power plug) when the system 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 system in direct sunlight
- Please do not keep the system in or around dusty areas
- Enough space should be kept around the system to ensure the secure and effective application

The Control Panel



Easymount Cold



Easymount Single Heated Roller

Speed Control

Forward / Reverse

Auto / Foot Pedal

Hot / Cold

Speed Control

Forward / Reverse

Auto / Foot Pedal

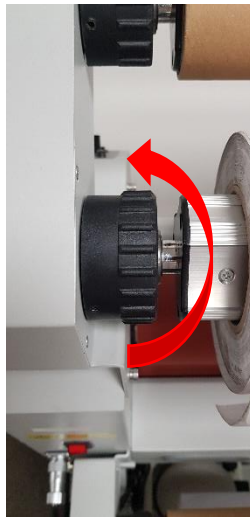
Specifications

| | EM-S880 | EM-S1400C | EM-S1600C |
|---------------------------------|----------------------|----------------------|---------------------|
| Max. Laminating Width | 880mm | 1420mm | 1620mm |
| Max. Laminating Thickness | 15mm | 25mm | |
| Laminating Speed | 3.5m/min | 5m/min | |
| Rated Working Voltage/Frequency | 220V-240V, 50Hz-60Hz | | |
| Rate Input Power | 25W | 38W | 38W |
| Dimensions | 1200 x 630 x 1295 | 1846 x 630 x 1365mm | 2046 x 630 x 1365mm |
| Gross Machine Weight | 75kg | 136Kg | 156Kg |
| | | EM-S1400H | EM-S1600H |
| Max. Laminating Width | | 1420mm | 1620mm |
| Max. Laminating Thickness | | 25mm | |
| Laminating Speed | | 5m/min | |
| Rated Working Voltage/Frequency | | 220V-240V, 50Hz-60Hz | |
| Rate Input Power | | 1000W | 1200W |
| Dimensions | | 1846 x 550 x 1365mm | 2046 x 550 x 1365mm |
| Gross Machine Weight | | 136Kg | 156Kg |
| Max. Temperature | | 50°C | |

Loading of Laminating Films



1. Position the system on its stand and place the mandrels in the mandrel brackets.



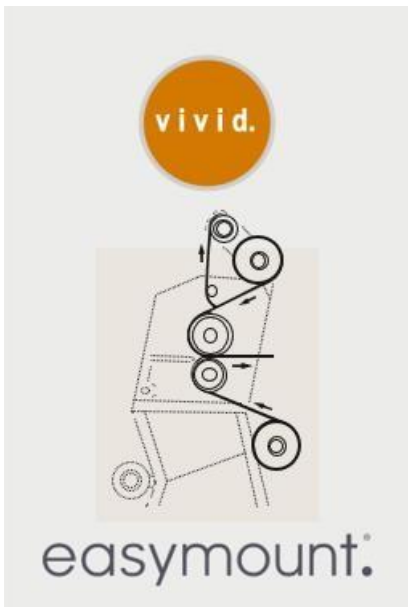
2. Lock the mandrels in place by turning the black locking collars anti-clockwise. Connect the foot pedal to the power socket as shown in the above picture.



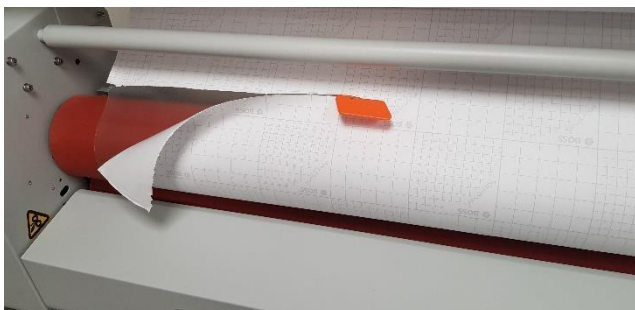
3. Remove the film mandrel and load the film onto the mandrel. Ensure the film roll is positioned in the centre of the system.



4. Lift the Roller up by turning the handle anti-clockwise, Feed the film directly over the top laminating roller and through to the back of the system.



5. Move towards the rear of the system and pull the laminate tight from the middle towards you, while holding lower the laminating roller by turning the handle clockwise. When the two rollers meet the handle will go loose, using one finger flick the handle clockwise. Using too much pressure can cause a wave in the middle of the laminate.



6. Cut through just the backing paper using the snitty [cutting tool] provided. Once cut, loosen the backing all the way along the film, pull down from the middle and drape over the feed table.



7. Apply tension to your laminate and waste backing paper by turning the handles clockwise. If the film looks creased or is not being drawn through the rollers smoothly, apply more tension.



Laminate: This usually requires maximum tension for 100 micron films.

Waste backing paper: This usually requires only slight tension but can vary from laminate to laminate Overtightening can cause the laminate to move which can cause creasing.

8.

Alter the speed to your preference by turning the speed control knob. During loading we advise a slow Speed.



If you are using the Easymount Sign single hot, you can select Hot or cold. Heat can help soften the Adhesive and reduce silvering.

Switch the control panel to Forward mode. [When not in use we advise you switch to off to avoid accidental movement of the rollers].

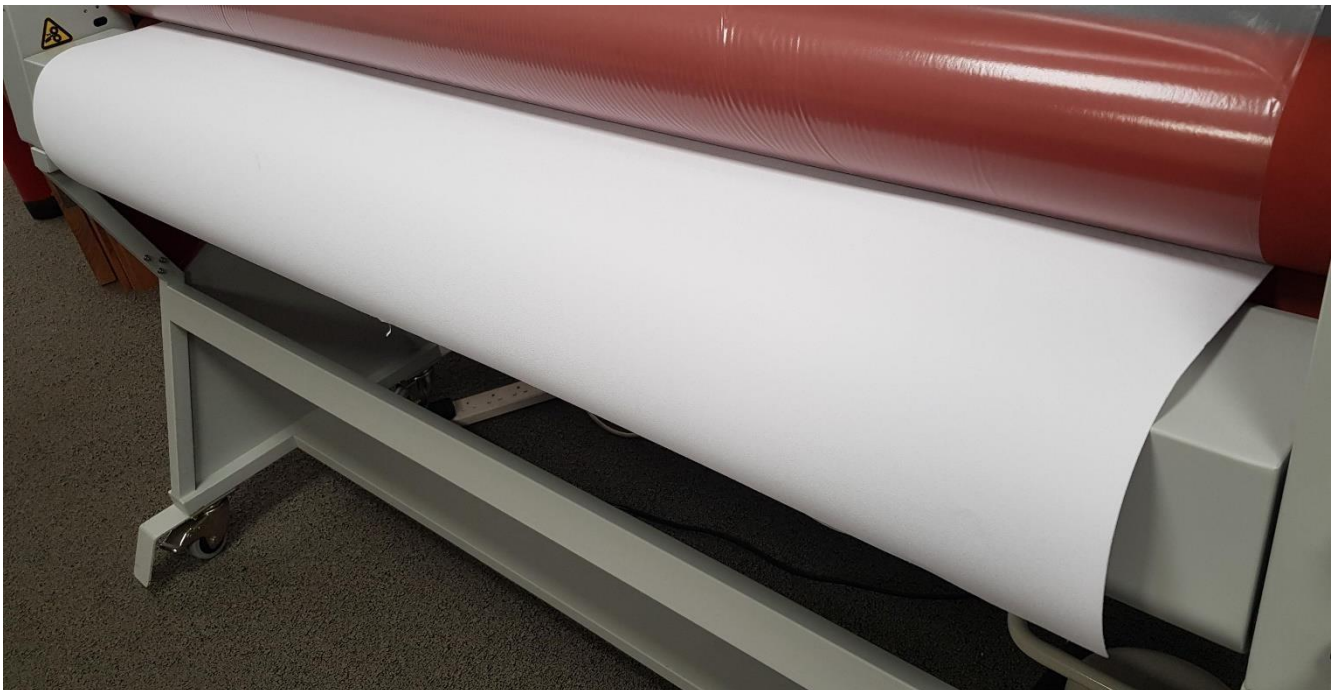
Switch the control panel to foot pedal mode. [During operation this can be pressed to auto mode and the machine will run continually until the magic eye is interrupted or the forward and reverse switch is set to off].

9. Press on the foot pedal to move the rollers forward, stop when the backing paper is towards the front of the roller as shown in the below picture.





10. Loosen the waste backing paper along the length of the laminate, pull up the waste backing paper only from the middle and stick onto the waste mandrel using tape. Once secured in the middle, stick the left and right sides of the waste backing to the mandrel wherever they fall [Do not pull the backing as this can cause creasing].



11. Place the media [always the same size or bigger than the laminate] onto the feed table overlapping the waste material towards the nip of the rollers. Place both hands in the centre of the media and push towards the corners [this will ensure the media is flat when feeding and no creases will occur], press the foot pedal and at the same time push towards the roller until the machine starts to pull it through.

If it's a small piece of media you can continue with the foot pedal, for slightly larger media you can set the switch to Auto.

Please note:

- When printing your media the laminator will require a header and footer, this is for the overlap at the feed and to be cut at the rear of the machine once laminated.
- Once laminating is finished cut away the finished material and higher the laminating roller [Leaving the roller down for prolonged periods can cause a flat spot on the rollers].

Loading Media Rolls



1. Remove the media mandrel, load the media onto the system, lock into place and ensure it is centralized. If the media is the same size as the laminate please align the media and laminate together.

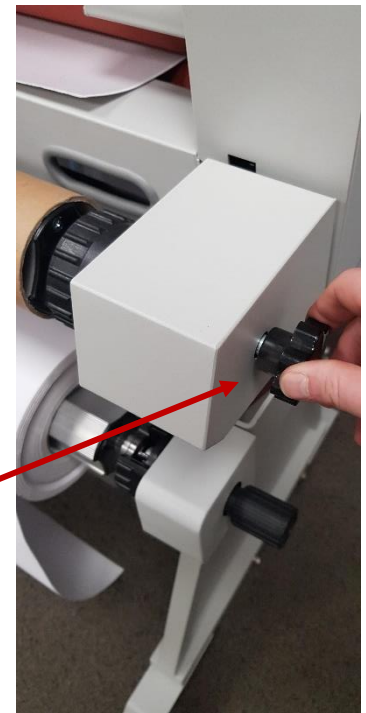


2. Tensioning the rolls:

Media Mandrel - Depending on how straight and tight the media has been put onto the core it can require different amounts of tension. Usually, it only requires a couple of turns.

Take up unit – To ensure the media laminated is collected well it requires a firm tension.

Do not overtighten into the machine cover.



3. Raise the laminating roller and pull down the feed table. Feed the media from the mandrel directly to the bottom laminating roller and through the centre of the top and bottom roller.

Please ensure you have not threaded it under the stand beam as this can cause creasing.



4. Pull both the laminating film and media tightly together in the centre at the back of the system. Lower the laminating roller and check the media and laminate are tight against the rollers and are correctly aligned.

If not raise the roller again, centralize the material and repeat steps above.

Once completed return the feed table to its home position.



5. Using the foot pedal, feed the media and laminate until the material reaches the take up unit at the rear of the system. Pull from the middle and secure using tape. Once secured in the middle stick the left and right sides of the material to the mandrel wherever they fall, do not pull as this can cause creasing.



Roll to Roll Finished

Troubleshooting guide

If the media is buckling/bowing in the middle as shown in the below picture you have used too much roller pressure and/or incorrect feeding:



Incorrect roller pressure:

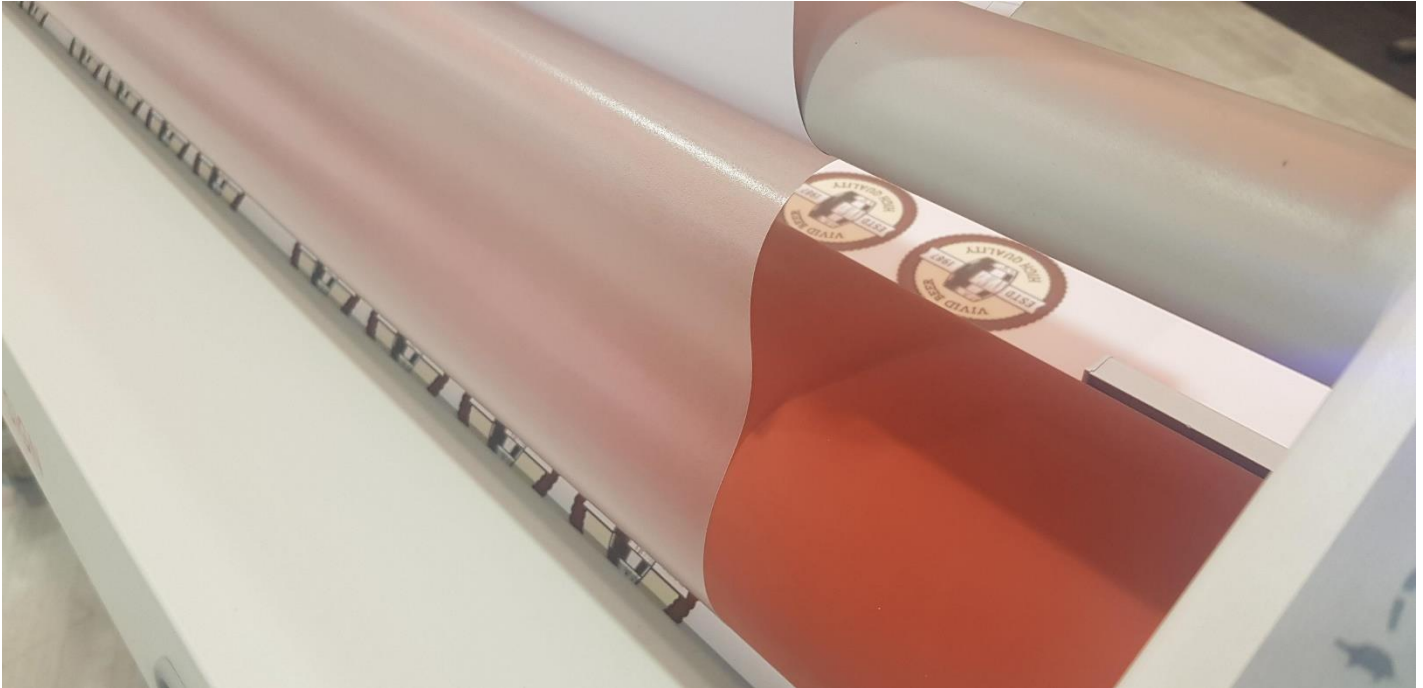
Higher the laminating roller, pull the material from the middle at the rear of the system and start to lower the roller slowly. Once to roller meet, the handle becomes slack/loose. Using one finger, flick the handle in the downwards direction [clockwise]. The weight of the roller is adequate for laminating vinyl.



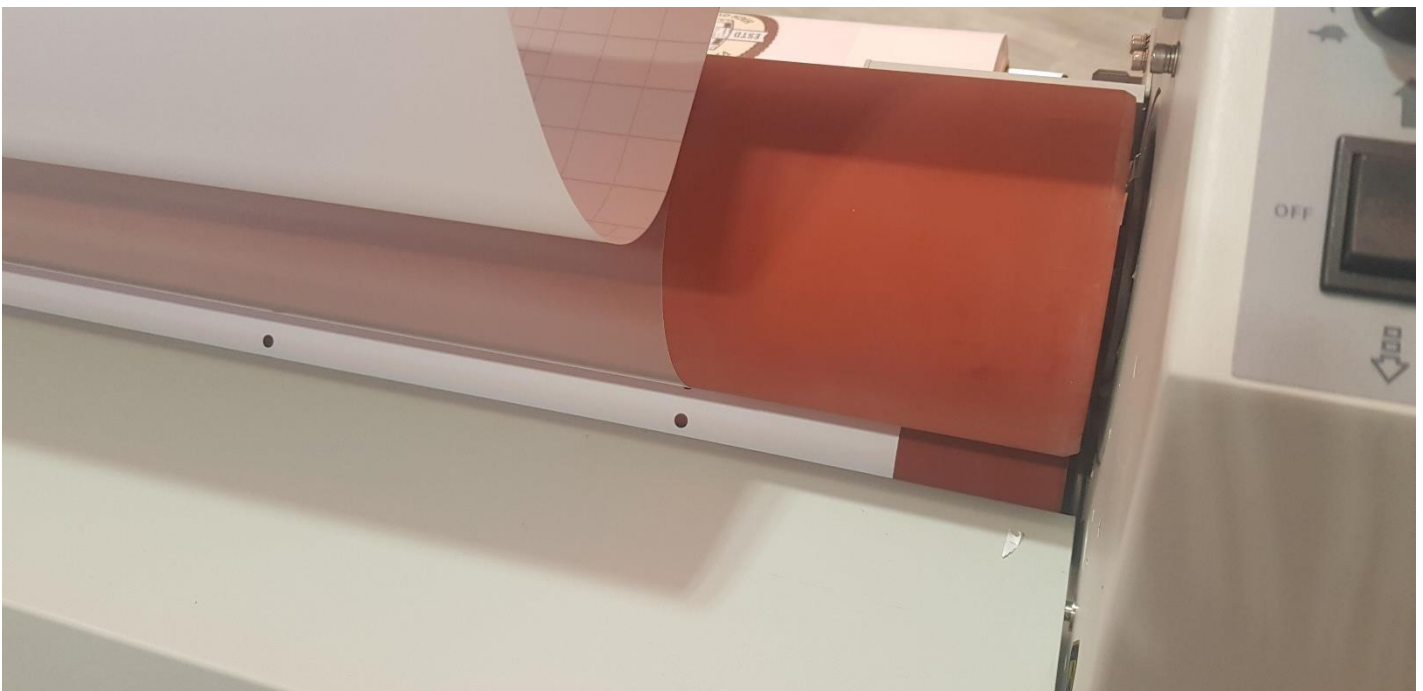
Incorrect feeding:

Place both hands in the center of the media and push towards the corners, this will flatten the vinyl.

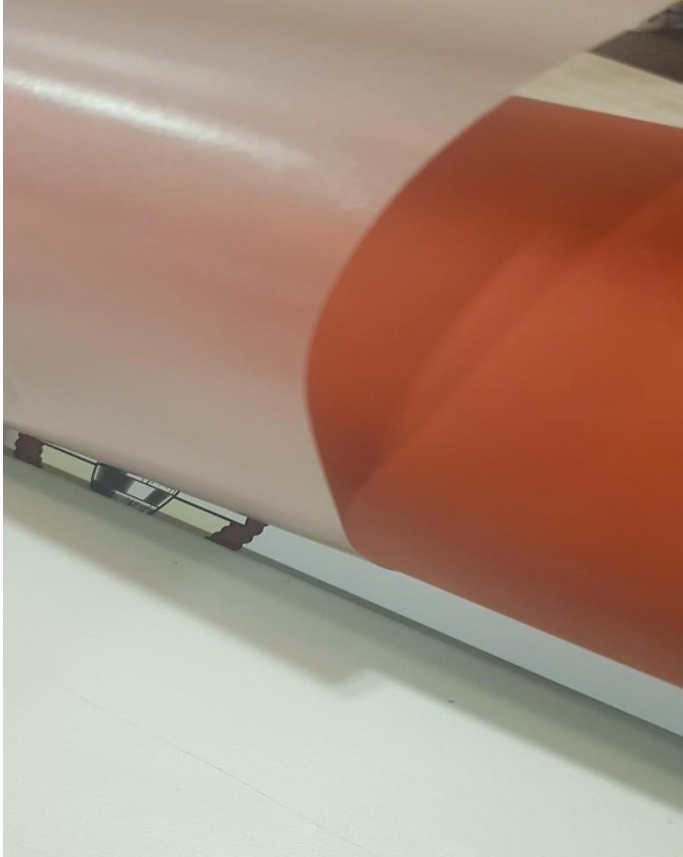
Incorrect tension applied to film and/or waste backing paper:



The above picture shows either not enough tension to the laminate or too much tension to the waste backing paper. Laminating film requires lots of tension to stop creasing. The waste backing paper usually does not require much tension. The below picture shows not enough tension on the waste backing paper, not enough tension will cause the waste to follow the laminate through the rollers.



Incorrect loading of the laminate:



The picture to the left shows the laminate is not tight to the roller on one side. Raise the laminating roller, pull the laminate from the centre at the rear of the system [ensuring the laminate is tight against the roller on both sides] and roller the roller.

Laminating adjustments

Temperature

The Easymount Sign Cold system does not have a temperature control and operates cold.

The Easymount Sign Hot system has the option of a heat assisted top roller with a fixed temperature of 45°C/113°F. By using heat it will soften the adhesive and reduces 'silvering' when laminating.

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 roller should be lifted slightly.

Cleaning and maintenance of your system

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 40°C). 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.

We advise the rollers to be cleaned regularly to keep the rollers in peak condition.

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 your supplier for advice.



Spare Parts

For Spare Parts please contact your supplier.

Warranty & Incorrect Use

IMPORTANT INFORMATION

Your Easymount Sign 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 Sign Laminator rollers are covered against manufacturing defects. It does not cover against any damages caused by misuse i.e. 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.

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