

Product instruction manual
Easymount Sign Laminators
EM-SA1400C, EM-SA1600C, EM-SA1400H, EM-SA1600H

easymount.[®]
SIGN



The Easymount Sign Air 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.

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Introduction

Thank you for purchasing the Easymount® Sign Air laminator.

This Easymount® Sign Air laminator is designed to perform and built to last, with its solid heavy-duty construction. It is an easy-to-use laminating system with self-gripping mandrels and a flip down feed tray.

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

Mount prints on to boards and apply vinyl's, tapes, and adhesive films quick and easily. Ideal for laminating single banners, reel-to-reel laminates, 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.



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 do not 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 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 do not put burrs, sharp blades, or over thick rigid materials between the roller (for example, tools, rulers, and knives etc.).
- Do not cut adhesive films directly on the surface of the roller to avoid damage.
- Please shut down the system after laminating to avoid misuse.
- 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, a dust cover is provided with the system.
- Please do not keep the system in direct sunlight.
- Please do not keep the system around dusty areas.
- Enough space should be kept around the system to ensure the secure and effective application.
- Please Ensure the machine is on a level floor, if not this can affect the roller level.

The Control Panel



Easymount Sign Cold



Easymount Sign Single Hot

Hot /
Cold

Speed
Control

Forward /
Reverse

Auto /
Foot Pedal



Pressure Gauge
we recommend

between 0.1-0.5PSI

Roller Up/
Down Switch

Pressure Valve

Specifications

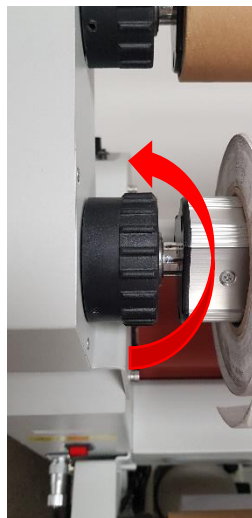
	EM-SA1400C	EM-SA1600C
Max. Laminating Width	1420mm	1620mm
Max. Laminating Thickness	25mm	
Laminating Speed	5m/min	
Rated Working Voltage/Frequency	220V-240V, 50Hz-60Hz	
Rate Input Power	38W	38W
Dimensions	1846 x 550 x 1365mm	2046 x 550 x 1365mm
Gross Machine Weight	136Kg	156Kg
	EM-SA1400H	EM-SA1600H
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	

Installation of Laminating Films

Pressure sensitive film (loaded on the top mandrel)



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



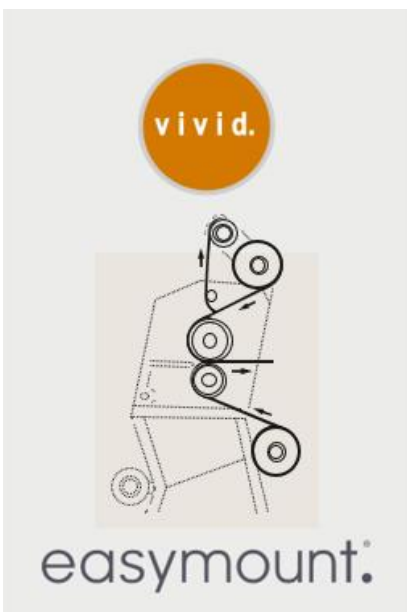
2. Lock the mandrels in place by turning the black locking collars anti-clockwise. Connect the foot pedal to the power socket as shown in the above picture.



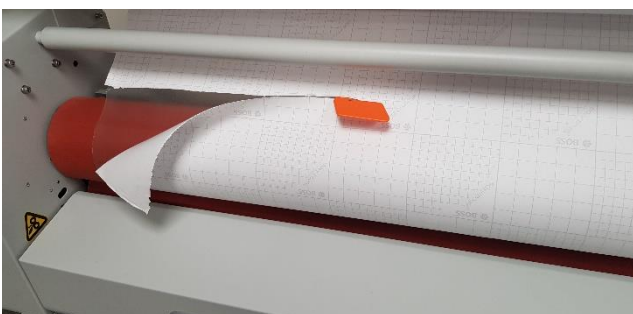
3. Remove the film mandrel and load the film onto the mandrel. Ensure the film roll is positioned in the centre of the system.



4. Turning the Roller Up/Down switch to the clockwise to raise the upper roller. 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 the back of the system and lower the laminating roller by turning the Roller Up/Down switch anti-clockwise.



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



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

Laminate: This usually requires a lot of tension, tighten the tension to maximum.

Waste backing paper: Adjust tension until the release paper splits from the film as required.



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. It is advisable to start the system this way. During operation this can be pressed to Auto mode and the machine will run continually until the magic eye is interrupted or the switch is set to Off mode.

9. Stand on the foot pedal to move the rollers until the material is as shown in the below picture.





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



11. Place the media flat onto the feed table and feed over [overlap] the backing paper towards the nip of the rollers. Place both hands on the media and push corner to corner to ensure it is flat with no creases, press the foot pedal while pushing towards the nip of the roller and this will start to feed your media. Once secured select the settings if required [Auto/Speed].

Please note:

- when laminating individual media, you will require a header and a footer to ensure your work goes in and all the way out of the machine.
- Once laminating is finished, cut off your work using the exit plate as a straight cut and using the Roller UP/Down switch raise the roller into the upper position. Leaving the roller down for long periods can cause damage to 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 ensure these are aligned.

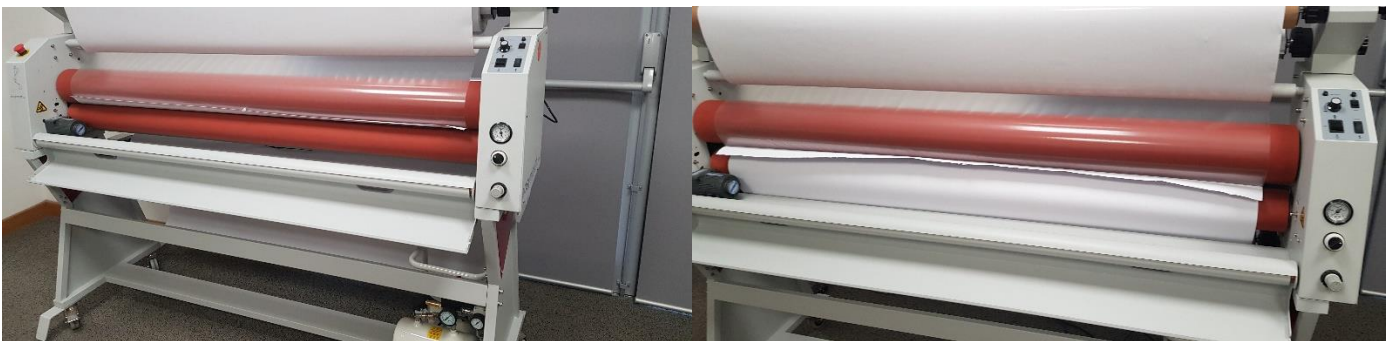
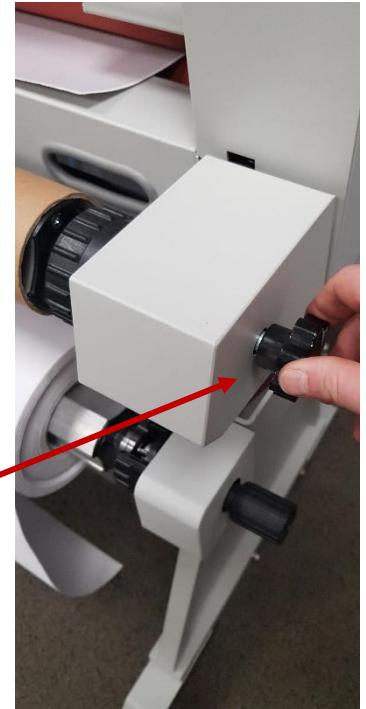


2. Tensioning the rolls:

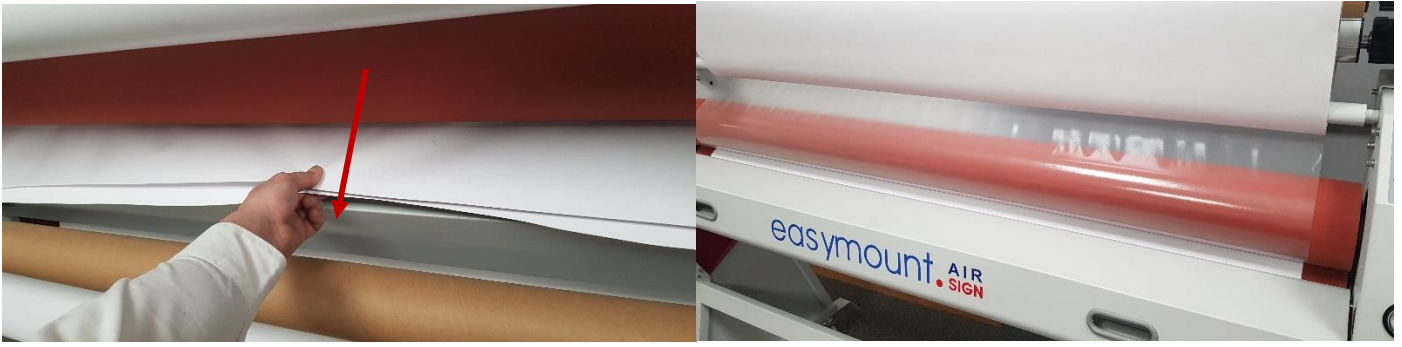
Media Mandrel - Depending on how straight and tight the media has been put onto the core it can require different amounts of tension. Usually, it only requires a couple of turns.

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 using the Roller Up/Down Switch and pull down the feed table. Feed the media from the mandrel directly to the bottom laminating roller and through the rollers as shown above. Please ensure you have not threaded it under the stand beam it must go directly from the roll to the lower laminating roller.



4. Pull both the laminating film and media tightly together at the back of the system in the middle. Lower the laminating roller using the roller Up/Down Switch. Check the media and the laminate are tight against the rollers, if not raise the upper roller again and repeat the above steps. Once finished Return the feed table to its original position.



5. Using the foot pedal feed the media and laminate to the take up mandrel. Pull from the middle and secure using tape. Once secured in the middle stick the left and right sides of the media to the mandrel wherever they fall [Do not pull the media].



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 hand feeding:

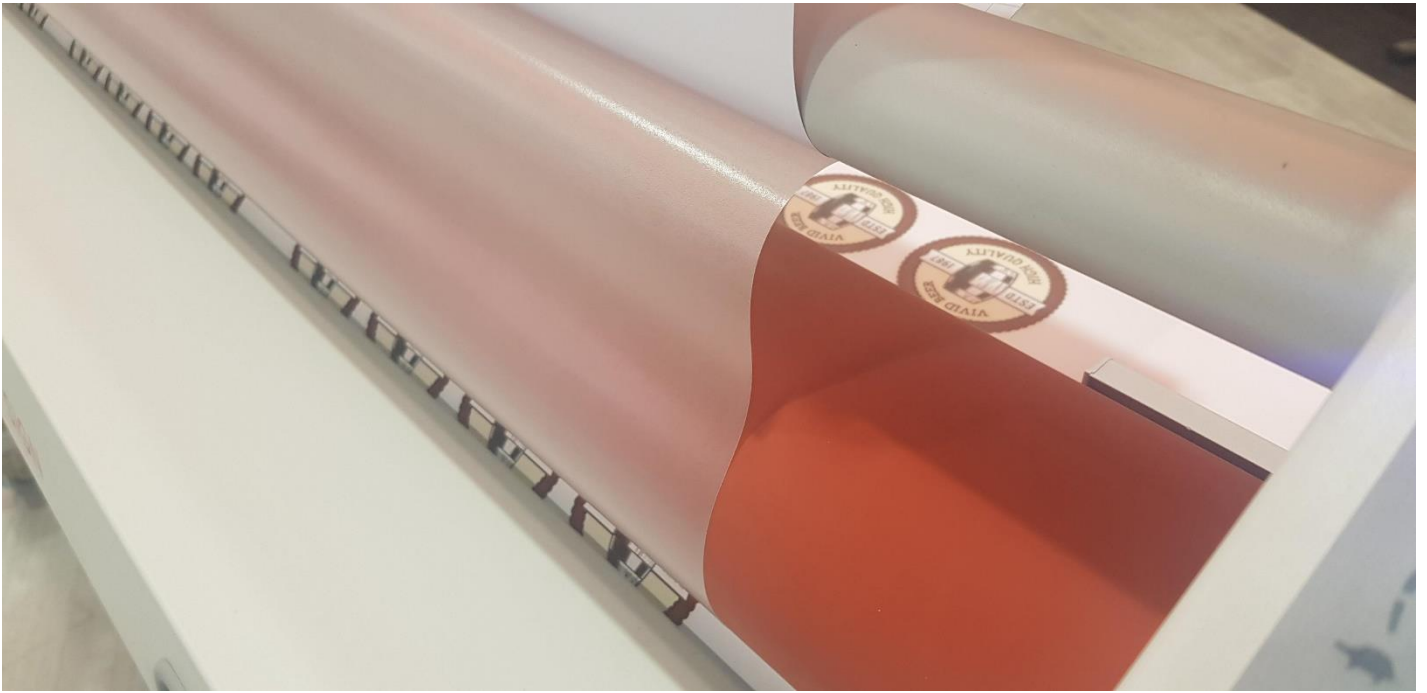


- Using the pneumatic pressure valve, pull the handle out towards you and turn the pressure down [anti-clockwise]. Please note you can only have a pressure reading on the gauge when the roller is in the down position.

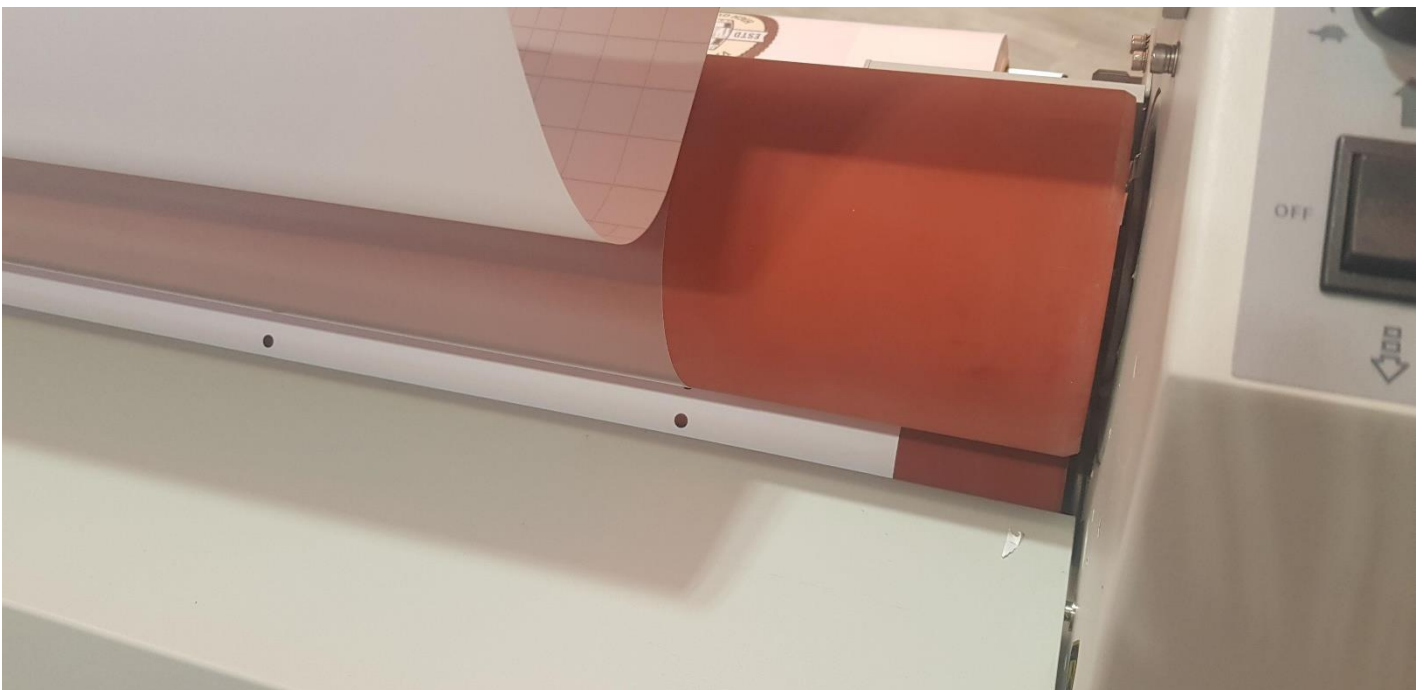


- Place both hands on the media and push corner to corner to ensure it is flat with no creases.

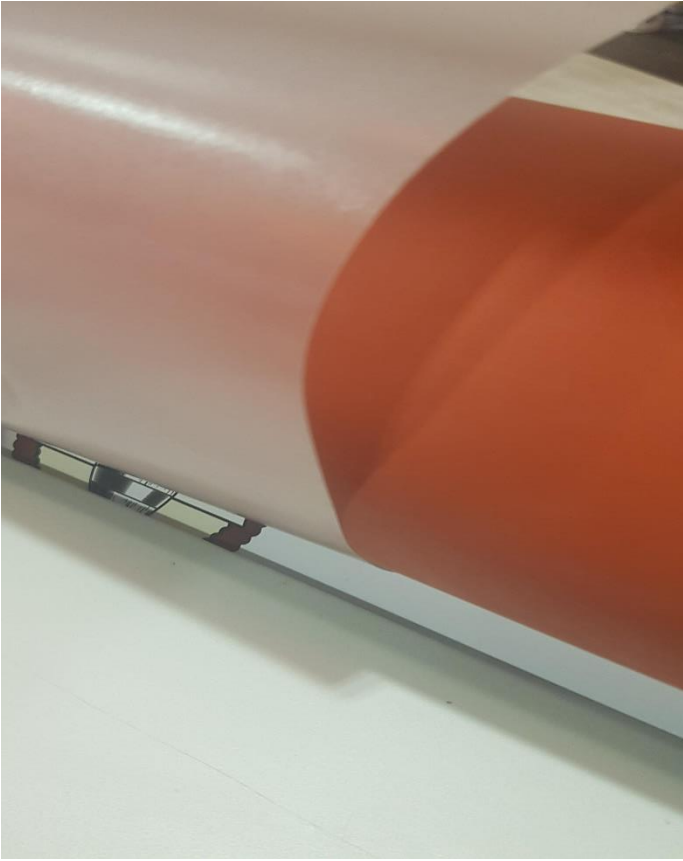
Incorrect tension applied to film and/or backing paper:



- Laminating film requires tension to stop creasing. Ensure the laminate has plenty of tension. The backing paper usually does not require much tension. Tighten until you feel a small amount of resistance. Not enough tension on the waste backing paper can cause the waste to be pulled through the laminator, see below image.



Incorrect loading:



- When loading the laminate or media pull from the back in the centre, lower the roller and check to ensure it is tight against the laminating 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

Laminate requires pressure to push the adhesive into the print, not enough roller pressure will cause excessive silvering and too much pressure can cause the media to buckle/bow under the pressure. We recommend between 0.1- and 0.5 Psi.

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.

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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