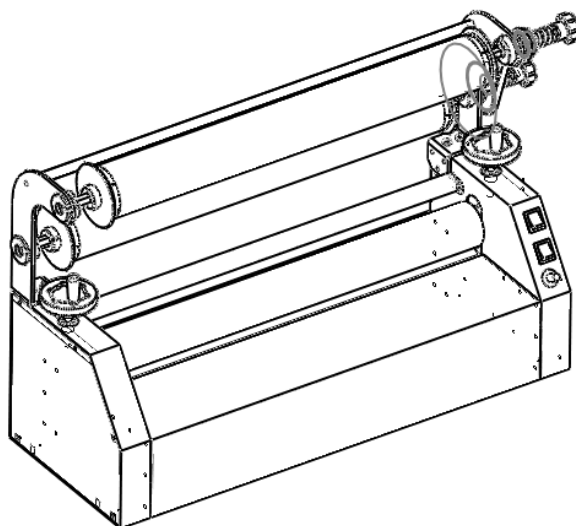


# *EnduraLAM 24*

## *COLD LAMINATOR*



## **EnduraLAM 24**

### **User's Manual**

LMN-ES-C-25

10-27-2021

English

## Product Introduction

The EnduraLAM 24 is a simple and affordable desktop laminator designed for use with wide-format and desktop printers such as the PrismJET VJ24 and Roland BN-20. The EnduraLAM is engineered with over 25 years of experience in the manufacture of large-format finishing equipment. The EnduraLAM 24 features automatic take-up of release liner and other features designed to make laminating digital prints efficient and productive. It is simple and economical, but still quite capable.

The basic principle of the EnduraLAM 24's operation: the drive motors turn to top and bottom rollers. The media and liner rollers are friction driven. This design makes it simple and affordable. The upright media support brackets have been strengthened to accommodate the weight of 24" by 50-yard rolls of overlamine film.

This machine is comprised of motor driven pressure rollers and friction-driven media and liner take-up rollers. It can be used to laminate short panels or long jobs. The machine is designed to conserve power and can be run at variable speeds.

## EnduraLAM 24 Technical specifications

1	Machine Model	LMN-ES-C-25
2	Maximum laminating width	25.6 in (650mm)
3	Laminating speed	16 ft/min (5m/min)
4	Maximum media roll diameter	5.9 in (150mm)
5	Maximum media thickness	0.9 in (25mm)
6	Roller diameter	65mm
7	Supply voltage	250V/1A
8	Governor Motor	DC 12V30W
9	Machine size	29 x 11 x 20 in (760*280*500mm)
10	Machine weight	95 lbs (43 KG)

## EnduraLAM 24 Diagram

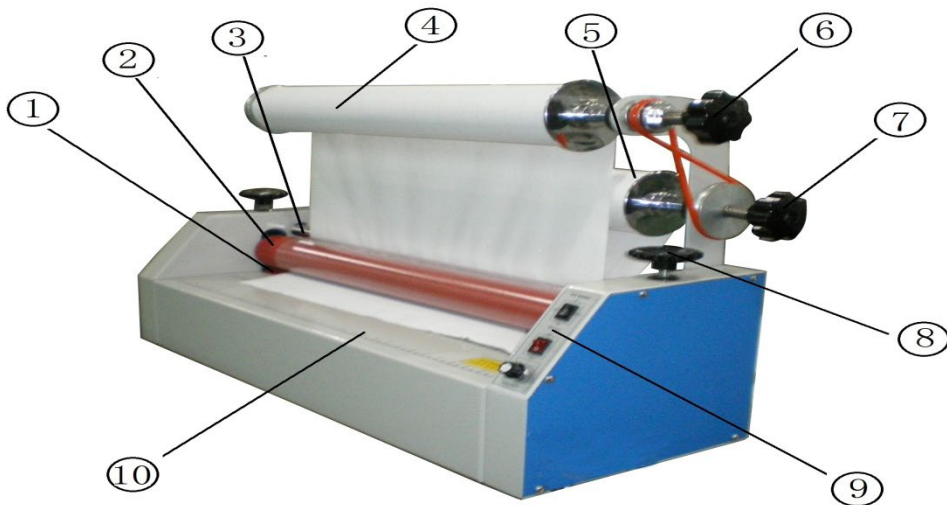


Figure 1

- 1. Bottom Roller
- 2. Top Roller
- 3. Guide Film Pole
- 4. Release Liner roller
- 5. Supporting Roller
- 6. Release Liner Take-up Damping Knob
- 7. Supporting Roller Damping Knob
- 8. Left Handle
- 9. Control Panel
- 10. Front Table

## EnduraLAM 24: Setup and Operation

1. Before unpacking, carefully check for signs of apparent shipping damage. If there is any indication that the product has been damaged, note it on the bill of lading and contact SIGNWarehouse Product Support or Customer Service at your earliest opportunity.

2. The power supply should match the power requirements on the nameplate and specifications. Use a grounded three-plug power cable.

Do not change the ground wiring.

3. Controlling Feed Direction: Use the Direction toggle switch to determine the rotating direction of the pressure rollers. To feed media forward, press the top of the toggle switch. Press the bottom of the toggle switch to reverse the feed and eject media.

The ON/OFF toggle switch works the same way. Push the upper toggle to activate the rollers. Use the lower switch to stop them.

To change the direction of the media feed, use the ON/OFF switch to stop the rollers first. Then use the Direction Switch to reverse the feed direction. Changing the direction during operation may damage the drive motors.

4. Adjusting Laminating Speed: Turn the dial clockwise to increase laminating speed and counterclockwise to decrease it.

5. The sequence to disconnect the power should be done in the reverse order of the connection sequence.

6. The film unwind and media take-up rollers are designed to accommodate a full 50-yard roll of overlaminate film. One end of the release liner take-up roller has a handle (Figure 1), used to adjust the friction to ensure that the speed of the liner take-up roller is in synch with that of the laminator pressure rollers. Rotate the handle clockwise to increase friction and slow the liner take-up roller. Turn it counter-clockwise to reduce friction and speed up the liner take-up roller.

7. The pressure rollers are raised and lowered by the cranks situated at the left and right ends of the platen. Rotating the knobs clockwise lowers the rollers. Rotating them counter-clockwise raises them. When using the knobs to raise and lower the pressure rollers, take care to ensure that the same amount is used on either side to ensure that the rollers remain level.

This produces even pressure and prevents skewing or wrinkling

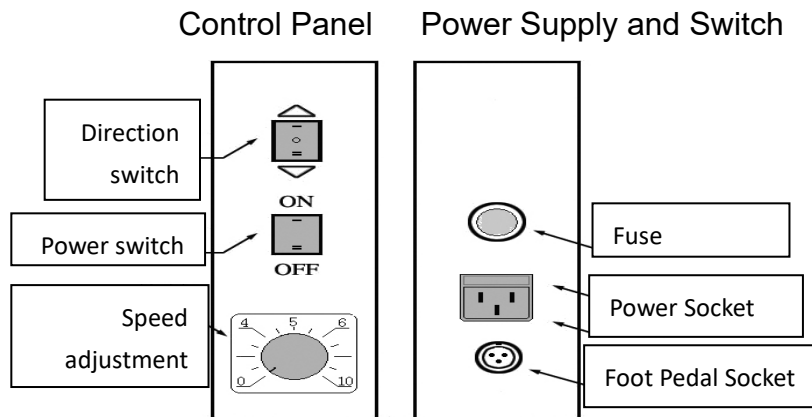


Figure2

Laminating process:

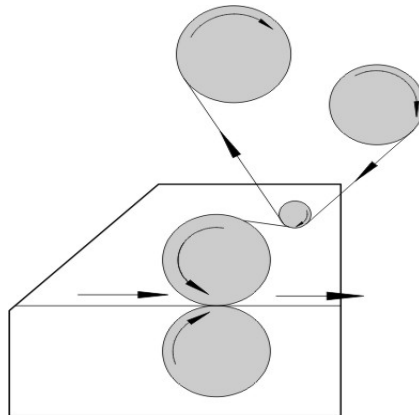


Figure 3

Safety Precautions:

1. Read the safety instructions and familiarize yourself with the main structure, performance and operation measures before starting the machine. When using the equipment, please take note of the warning labels placed on the surface. These are provided to support safe operation of the product. All personnel operating the laminator should read this manual and become familiar with the warning labels and their meaning.
2. The power supply should match the power requirements on the nameplate and specifications. Use a grounded three-plug power

cable. Do not change the ground wiring.

3. **NOTE:** This model does not have a safety sensor designed to stop the rollers in the event of an object coming into contact with the pressure rollers. All operators should take care to keep hands, fingers, hair and loose clothing away from the pressure rollers during operation. Failure to do so may result in injury.
4. When the laminator is not in use, the pressure rollers should be raised. Leaving them lowered when the machine is idle can produce flat spots on the rollers which will degrade lamination quality and may require replacement of one or both rollers.
5. Keep work knives and other sharp edges well away from the rollers. To extend the lifetime of the rollers, please ensure the rollers are clean. Please remove the adhesive residue by a piece of cloth with alcohol, detergent or adhesive remover. Gently wipe the rotating rollers, and avoid concentration of wiping at any one point to prevent partial damage roller surface
6. The facility should be well ventilated. Keep the machine away from water, excessive moisture, or flammable, or combustible liquids or vapors.
7. Inspect the power cables and foot switch connector cables regularly to prevent risk of shock.

# Warranty and Support

Each EnduraLAM24 comes with a one-year warranty and one year of Gold Support. To obtain technical support, please visit [www.signwarehouse.com](http://www.signwarehouse.com), create or log in to your customer account, and use the [Contact Us](#) link at the top of any page on the website to fill out and submit a support ticket. Please include your daytime contact information, including email address and phone number. Please include specific information about the issue, including the size and model number of the product.

## Notes

1. The warranty period is one year. Gold support including priority phone, email, and remote desktop support is available to the purchaser for one year from date of purchase. Warranty and Gold Support are not transferrable to third parties.
2. Improper use of equipment or lack of recommended maintenance may void the warranty.

# **LAMINATOR**