

# COVER LAM 1700

## EQUIPMENT PARAMETER

Max width	1630mm
Max lift height	40mm
Max speed	45m/min
Silicone roller	150mm
Control	Touch screen
Foot switch	Up, down, speed, turn on, turn off
Max fiim diameter	210 mm / 136 mm (with backing paper)
Max media diameter	300mm
Max take-up diameter	300mm
Variable speed-drive	yes
Smart stop	yes
Curve smart/stop	yes
Auto trimming	yes
Cutter type	4 cutters
Temperature range	0°C - 80°C
Heating	Infrared heating
Preheating time	0-20min
Lifting way	pneumatic
Transmission	Gear and Chain Transmission
Servomotor	750W
Heating input power	≤3000W
Rated input voltage	110 / 220 v
Net weight / Gross weight	468 kg / 528 kg
Size	2210* 660*1390mm
Packaging size	2286* 740*1486mm



# COVER LAM 1700

HEAVY-DUTY INDUSTRIAL LAMINATOR

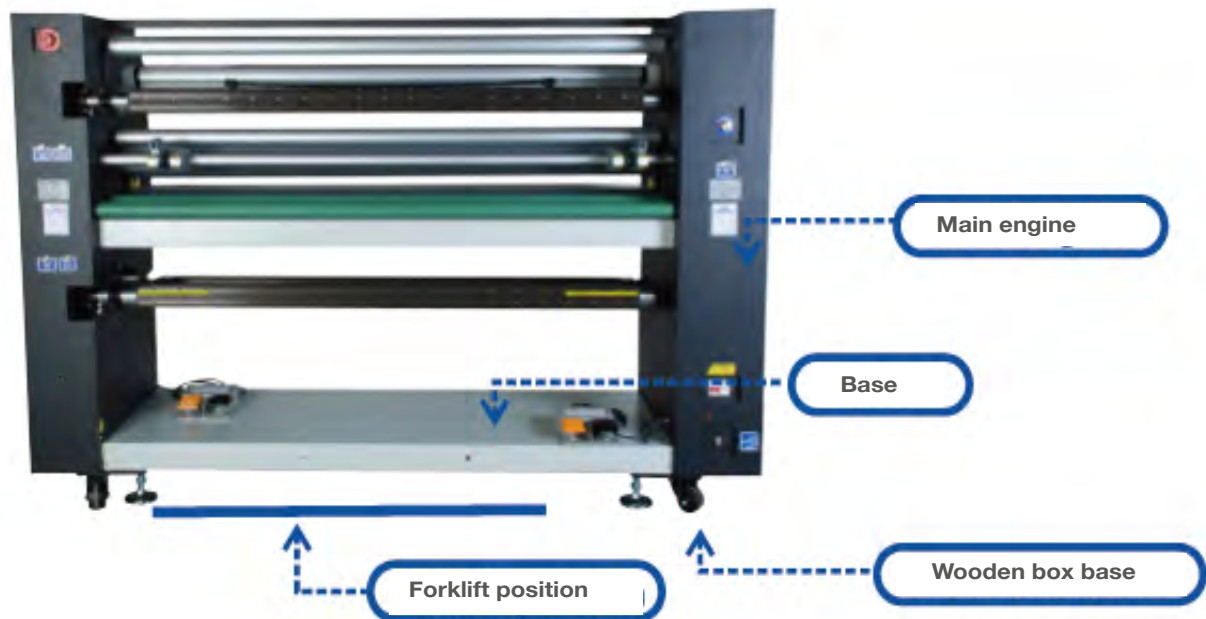


- Intelligent suction platform.
- Patented control system.
- Remotely upgradable.
- Smart front and rear pedals synchronized with speed control.
- Upon machine startup, the inflatable shafts automatically lock and inflate.
- Safety system to prevent finger pinching.
- Precise footage measurement.
- After lamination, the machine stops, the shaft is automatically unlocked and deflated.
- Equipped with 3 corrugated inflatable shafts (6 tiles/cells each), safe for paper tubes.

## Equipment installation:

The COVER LAM 1700 has been developed and researched as a high-end automatic laminating machine. This product mainly operates with cold lamination, low-temperature lamination, automatic film lamination, automatic edge trimming, and vertical cutting. Its operation is simple, intelligent, and convenient, with multiple applications.

**Note:** All functions and instructions described are subject to the actual equipment.



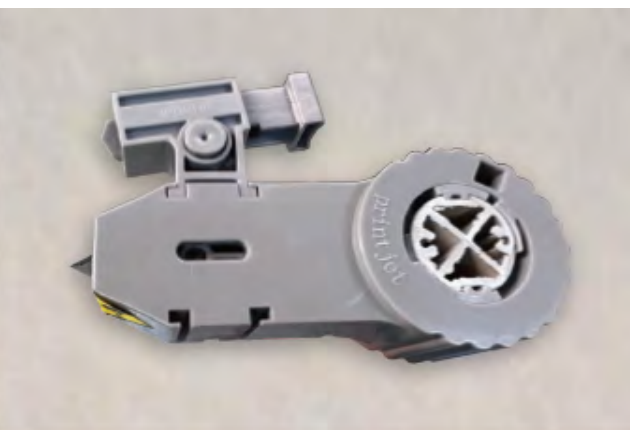
1. Prior to opening always ensure that the package is sealed with the original seals and there is no external damage.
2. Check items according to the packing list.
3. Make sure the installation area is clean and level.
4. The equipment may not use the space for occupied of any moisture, flammable or toxic materials. Air flow can result in the roller performance unstable.
5. The wheels are only available for short-distance move.
6. This equipment work with one-level single-phase 110/220V AC voltage 30A circuit breaker. And grounding well for safety. Check if the power have ample capacity before plug in.
7. No heavy pressure on feeding table and keep it from damage.
8. Cardboard and wooden pallet should be placed between forklift arm and the equipment to prevent it from damage. When moving the equipment, it is necessary to hold on both sides by personnel.  
Caution: The machine is a heavy object! When carrying the machine, we must pay attention to the safety!

## Accessories Introduction:



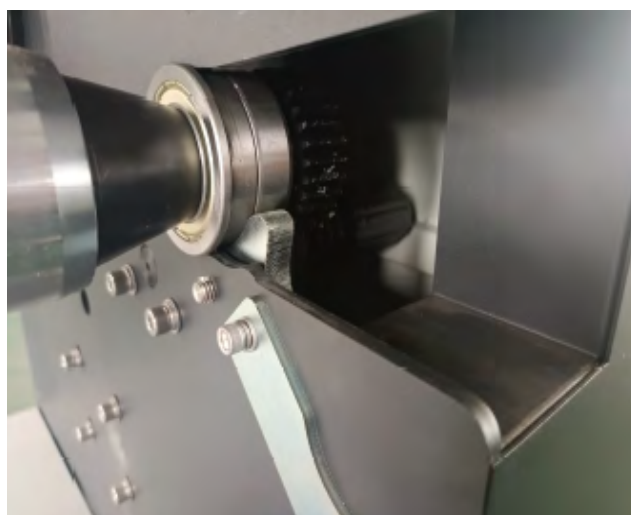
Touch screen

Patented control system



Ceramic cutter

No adhesive leave cutting without deckle edge



Embedded automatic locking system

## Smart touch screen:



- **Port Diagnosis**
- **Heating Control**
- **Lighting Control**
- **Fixed-term Operation**
- **Operation Control**
- **Preferences**
- **Multilingual Settings**
- **Version Information**
- **System Settings**

## Key instructions and screen functions

### Key and display function instructions:

#### 1.Touch screen start

When powered on, the touch screen displays the operation control interface.

Click the upper right corner to enter the setting operation interface.

#### 2. Port diagnosis

Please operate this function under the guidance of the technician.

#### 3. Heating control

Press “Long press to turn on heating” to start heating, and click “Set temperature” to set the required temperature. After turning the heating, please drop the rubber roller, and make the roller run at a speed of 5 meters/min (otherwise, the warning will be triggered), so that the upper and lower rubber rollers are heated evenly, and the heating time is 20-30 minutes.(Warm tip: in addition to the heating material in winter, the general heating of the film only needs to be set at 20°C-25°C).

#### 4.Lighting control

The light switch and brightness on the top of the machine can be adjusted independently

#### 5.Fixed-term operation(not available)

#### 6. Operation control

Speed setting: Press “Set speed” behind the number can set the speed, the maximum set 52 meters/min.

In the stop state, press the button to enter the automatic start, the speed is automatically accelerated from 0 meters to the set speed, in the running state, press the button, the current speed is automatically slowed down to 0 meters.

Whenever you press the button, the speed decreases by 1 meter until the speed is 0.With each press of the button, the speed increases by 1 meter until the maximum speed is set.

**(Tip: During the rotation process, the speed change will take effect immediately)**

Operating Speed: Displays the current operating speed of the machine in real time.

Temperature Setting: Press “Set Temperature” to set the desired temperature. The maximum allowed temperature is 80°C.

Direction Switch: The direction switch operates intelligently when the machine is stopped. Each time the key is pressed, it will toggle between forward and reverse.

Forward / Reverse

## **7. Preferences**

This setting can be adjusted according to the operator's habits.

Click the corresponding button. When the button changes state, the function will be activated. After one minute, the system will automatically save the preferences.

- The left pedal cannot be lifted: When activated, the yellow pedal on the left side will not be able to control the lifting of the roller under any circumstances.
- Automatic safety lift (anti-pinch): When activated, if the anti-pinch function is triggered, the machine will automatically stop, and the roller will lift to prevent damage to the operator or the equipment.
- Automatic rotation and lowering: When activated, when the rubber roller is raised and the machine starts, the roller will lower first, then begin to accelerate.
- Automatic lifting after paper end: When activated, when the paper end sensor is triggered, the machine will stop, and the roller will automatically lift.
- Automatic lifting when stopped: When activated, when the machine stops for any reason, the rubber roller will automatically lift.
- Lift button always off: When activated, pressing the lift button will turn off the button light after it blinks. However, during the roller's lifting or lowering process, the light will continue to blink.
- Disable paper end stop: When activated, the roller will continue operating even when the paper ends. The paper end sensor will be disabled.
- Disable anti-pinch function: When activated, the machine will not stop if there is a foreign object near the roller. The anti-pinch function will be disabled.
- Disable anti-pinch alarm: When activated, no warning will appear on the touch screen when the anti-pinch function is in effect.

## **8. Multilingual Settings**

The system allows you to independently select from 15 available languages.

## **9. Version Information (Not available)**

## **10. System Settings**

A password is required to access the system settings.

Please configure the system parameters only under the supervision of technicians. Do not modify the parameters without proper authorization.

## Equipment application method:

### 1. Power Supply

Connect the power using a standard plug. Check that the voltage meets the specified requirements. Ensure that the machine is properly grounded.

### 2. Double Multifunctional Pedal

The yellow button allows you to raise and lower the roller and stop the operation (hold it for two seconds to stop the machine).

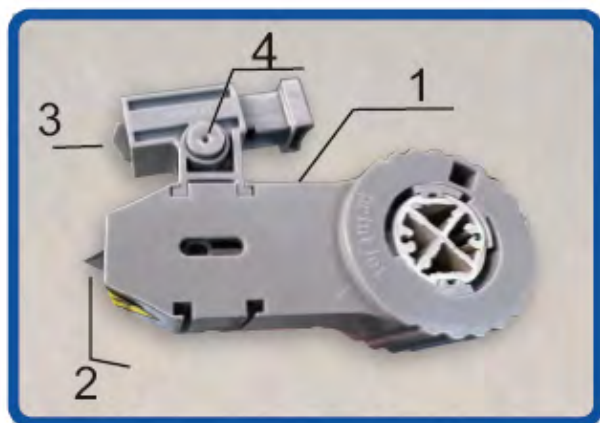
The black button increases the operating speed. When released while accelerating, the machine will continue laminating at the achieved speed.

If held down, the roller will accelerate to the maximum speed, allowing operation without keeping the foot on the pedal.

### 3. Emergency Stop

Press the emergency stop button to cut off the power in an emergency situation.

Turn the emergency switch clockwise to raise the button, and the machine will reactivate and can be restarted.



**\*Blade Structure (see image).**

- (1). Cutter Body
- (2). Blade
- (3). Pull the Edges
- (4). Edge Return Button



## Operation method:

### knife use:

During use, slide the cutter to the left or right until the desired position is reached.  
Turn the cutter clockwise to lower it; the blade will be exposed from the inside.  
When the main body of the cutter is in the vertical position, the blade will cut into the image.

(Note: After finishing the cut, make sure to return the cutter to its original position. Do not touch the blade area to avoid cuts or scratches).



### Edging use:

Press down the edge plate; it will lock into place once it reaches the gear position.

Press the edge return button, and the plate will return to its original position.



**Pneumatic Shaft**



**Self-locking Shaft**

Unwinding Shaft: Used to load the media.

Film Shaft: Used to load the film roll.

Take-up Shaft: Used to rewind the backing paper.

Winding Shaft: Used to rewind the laminated print.

The ends of the four reels are equipped with a resistance mechanism to adjust the rotation resistance of each one.  
Turning clockwise increases the resistance, while turning counterclockwise reduces the resistance.



### 7. Teflon Bar:

There are two Teflon bars at the front and rear, made from a harder material, less prone to deformation, non-stick, and scratch-resistant, giving them a longer service life. The rear bar rotates in one direction, making it more convenient to apply the film and saving effort.



## Lamination instructions:

Since this is a complex task, we strongly recommend that beginners work with experienced operators. The general instructions are as follows:

1. Turn on the machine.
  2. Hold the “Heating” button for 3 seconds; adjust the temperature as needed. The silicone roller will begin to heat up. The default setting for cold laminating is 25°C (it takes about 10 to 20 minutes to reach the working temperature). Generally, it is not necessary to activate the heating mode for cold laminating the film.
  3. Load the film onto the corresponding supports, ensuring the film is taut.
  4. Place the media onto the front support.
  5. Press the lift button to raise the top roller.
  6. (Cold Lamination) No heating is required for cold lamination. However, we recommend heating the top roller to 35°C as a better option. Stretch the film, pass it through the roller, and load it onto the rewind shaft. Separate the release paper from the laminated film at an appropriate position. Attach the paper to the cardboard core with adhesive tape.
- Note:** After separating it, the film should be wrinkle-free and should firmly adhere to the surface of the roller to maintain a flat position.
7. Tense and extend the material over the feeding table, ensuring the white edge of the material is between the roller edges, and that the front end of the image is properly aligned between the upper and lower rubber rollers.
  8. Press the pedal or button to start the lamination.

**Note:** If the film is not taut, turn the brake handwheel clockwise to increase the friction and tension.

**Note:** The faster the rollers rotate, the faster the heat will be dissipated by the rollers. Please select the appropriate temperature and speed for the film.

## Safety operating procedures and precautions:

1. Operators must have read the instructions with full knowledge of the entire structure and operation. All personnel who operate, inspect, or clean this equipment must be properly trained in the machine's operation and safety manual. Familiarize yourself completely with the machinery and its controls.
2. For new equipment, check the plant voltage against the specified voltage on the machine. The electrical specifications for your machine are printed on the machine's serial number label. A properly grounded electrical outlet is required for safe operation.
3. Turn off the switch and disconnect all power sources before starting the inspection. Failing to follow this warning could result in death or serious personal injury.
4. Keep the power cord close to the wall and away from pedestrian traffic to avoid tripping hazards and damage to the cable.
5. The environment around the equipment should be dry and safe, with no spills or obstacles.
6. Emergency buttons are located in several positions. Use these emergency buttons to turn off the machine in case of an emergency when there are more than two people operating the machine.
7. Being near the roller gap can cause severe injuries.  
Caution: The equipment cannot operate without an operator's supervision. Heating the roller without supervision can cause damage or fire.
8. Remove any objects such as knives, screws, nuts, etc., that may become trapped in the contact area between the rollers.
9. Do not clean the roller with water. Water in the electrical circuits can cause permanent damage. The proper method for cleaning the rollers is to wipe them with damp cloths.
10. The silicone roller should be kept clean for a long service life.
11. Inspection: At regular intervals, check if the roller is flexible enough to function properly, as well as the bearings and lubrication at the ends of the roller.
12. Check the cables that connect the power and footswitch to prevent them from breaking.
13. As key parts of the equipment, any defect in the roller can affect its performance.  
There should be no scratches on the roller. The roller should be lifted after work to avoid deformation. Keep it free of dust. Use cotton with alcohol to clean it.

### Caution:

- (1) Heating should be stopped when cleaning.
- (2) Clean the roller while it rotates slowly. Do not concentrate on a limited area.
- (3) Glue or other residues on the bottom roller should be cleaned promptly to prevent affecting the lamination quality.