

the phoenixTM
440-ML

OPERATING MANUAL



Please read this manual carefully before starting operation!

Table of Contents

Contents	Page
1. Introduction	2
2. Important Safety Instructions.....	2
3. Installation Safeguards	3
4. Regulatory Compliance Statements	3
5. General Safeguards.....	5
6. Operating Conditions	6
7. Packing List	7
8. Installation	
a. Uncrate the machine	8
b. Assemble machine stand.....	8
c. Remove the machine from base....	9
d. Bolt the machine on the stand.....	9
e. Attach rear platform.....	10
f. Attach Upper rewind support brackets....	10
g. Attach upper shafts.....	11
h. Attach Safety Shield.....	12
i. Attach Print Hold Down Clamp.....	12
9. System Components	13
10. Control Panel	14
11. Roller Gap Adjustment.....	15
12. Operation.....	15
13. Loading top supply roll.....	16
14. Threading film.....	16
15. Adjusting Brake Tension.....	17
16. Laminating Cold PSA Film	
a. Single sheets or media from a roll.....	17
b. Single sheets using a sled.....	18
17. Laminating and mounting in one pass	
a. Heat-activated pouch boards.....	18
b. Thermal film & board.....	19
18. Laminating Pouches.....	19
19. Mounting	
a. Mounting vinyl to boards.....	20
b. Pre-coating mounting boards.....	20
c. Mounting prints	20
20. Heat Sensor Blocked function.....	21
21. Roller Cleaning function.....	21
22. Auto-Sleep function.....	21
23. Photo safety eye.....	22
24. Troubleshooting	23
25. Specifications	24
26. Warranty	25

1. Introduction

Thank you for choosing a Phoenix 440-ML laminating machine. It has been designed and manufactured to provide years of continuous service. Please read this manual thoroughly before operating. Please inspect the box and the laminator for shipping damage. Damage should be brought to the attention of the delivering carrier immediately

We reserve the right to make changes to this publication and to the products described in it without notice. The details given in this manual are based on the most recent information available to us. They may be subject to change in the future. We retain the right to make changes to the construction or the design of our products without accepting any responsibility for modifying earlier versions

WARNING! Any unauthorized changes or modifications to this unit without our prior written approval will void the user's warranty and will transfer health and safety obligations to the end user.



CAUTION! Please pay attention to all passages with these symbols. This information is vital to preventing user injury and/or damage to the unit. Failure to follow this information could void the user's warranties and transfer all safety obligations to the user.

2. Important Safety Instructions



In this operating manual, you will find important safety messages regarding the product. Read these instructions carefully, failure to comply with the following safety procedures could result in serious injury.

WARNING Do not attempt to service or repair the laminator. Only authorized maintenance and service technicians should make repairs.

WARNING Do not connect the laminator to an electrical supply or attempt to operate the laminator until you have completely read these instructions. Maintain these instructions in a convenient location for future reference.

WARNING To guard against injury, the following safety precautions must be observed in the installation and use of the laminator

3. Installation Safeguards



- Shipping damage should be brought to the immediate attention of the delivering carrier
- Avoid locating the laminator near sources of heat or cold. Avoid locating the laminator in the direct path of forced, heated or cooled air
- The receptacle must be located near the equipment and easily accessible.



- Connect the attachment plug provided with the laminator to a suitably grounded outlet only. This machine must have reliable earth wire to ensure the safety of the machine during operations
- Contact an electrician should the attachment plug provided with the laminator not match the receptacles at your location



- Ensure that the voltages of the power supply you are using match the rated working voltages before operations. Do not use incorrect power supply



- Do not use damaged wires or sockets. If abnormal conditions occur, switch off the power supply first.



- Only a licensed electrician should install wiring and outlet for the laminator
- Do not defeat or remove electrical and mechanical safety equipment such as interlocks, shields and guards

4. Regulatory Compliance Statements



cTUVus Certification

This test mark, also referred to as the "cTUVus mark", serves as proof of compliance with US national standards from UL adopted by OSHA and the Canadian national standards of CSA adopted by the Standards Council of Canada (SCC). US Authorities having Jurisdiction (AHJs) and Provincial Regulators across Canada recognize the cTUVus mark as proof of product

compliance to published national standards and code requirements. The cTUVus mark is officially recognized as an equivalent and direct replacement of the UL and CSA marks.



Federal Communications Commission (FCC) Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-3(B)/NMB-3(B)

Industry Canada Emission Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003 interference-causing equipment regulation.

Changes or modifications made to this device that are not expressly approved by Gfp, may void the user's authority granted by the FCC and/or by Industry Canada to operate the equipment.

5. General Safeguards

- Keep hands, long hair, loose clothing, and articles such as neckties away from rollers to avoid entanglement and entrapment. The rollers have pinch points that can trap body parts or clothing and cause serious injury
- Do not use the machines for purposes other than lamination and mounting, otherwise damages to the machine or accidents may occur
- Keep out of reach of children
- Keep flammable and wet objects away from the machine.
- Do not use flammable sprays or materials when cleaning the machine
- Do not leave the machine unattended during operations.
- Do not mount metal materials or other hard objects.
- Do not put burrs, sharp blade or rigid materials in between the two rubber rollers.
- Do not attempt to laminate items that exceed total recommended material thickness of the unit.
- Do not place foreign object inside the machine.
- Do not cut adhesive films directly on the surface of the rollers to avoid damaging the rubber coating.
- Shut down the machine after laminating to avoid misusing this machine by others.
- Shut down the power before moving the machine
- Note the locations of foot wheels while moving or operating this machine to avoid injuries to your feet.



-  Disconnect from the power supply before repair or maintenance.



-  Disconnect from the power supply when the machine is not in use for a long time.
- When the machine sits idle for an extended period of time, raise the top rubber roller to avoid the distortion of the rubber surface.
- Perform only the routine maintenance procedures referred to in these instructions
- Do not leave excess adhesive build up on the rollers overnight

6. Operating Conditions

- Place machine on level surface
- Environment requirements :
 - Ambient temperature: 50° F - 104° F
 - Humidity : 30%—80% ; ideal humidity : 55%
- Due to the static on film rolls, you should try to keep the environment clean.
- Provide enough space around machine to ensure the safe and effective operation.
 - The minimum area covered is 8 ft. x 10 ft.
- Do not directly cut the films on the surfaces of the rubber rollers to avoid damages to the rollers.
- Do not put burrs, sharp knives or extra thick and hard materials in between the rollers. Do not leave objects like tools, rulers, knives, etc. on the working panels or the side cabinets to avoid their being rolled into the machine accidentally and damaging the rollers.
- For repairs and replacements, please contact your local distributor. unauthorized repairs and dismantling will affect future maintenances of the machines.
- The machine can laminate continuously objects up to 1/4" thick.
- If this machine will not be used for a long period of time, please remove all films and gap the rollers to prevent flat spots.



***Warning: Do not keep the machines in direct sunshine or near it.
Do not keep the machine in dusty place or places with strong vibrations.***

7. Packing List

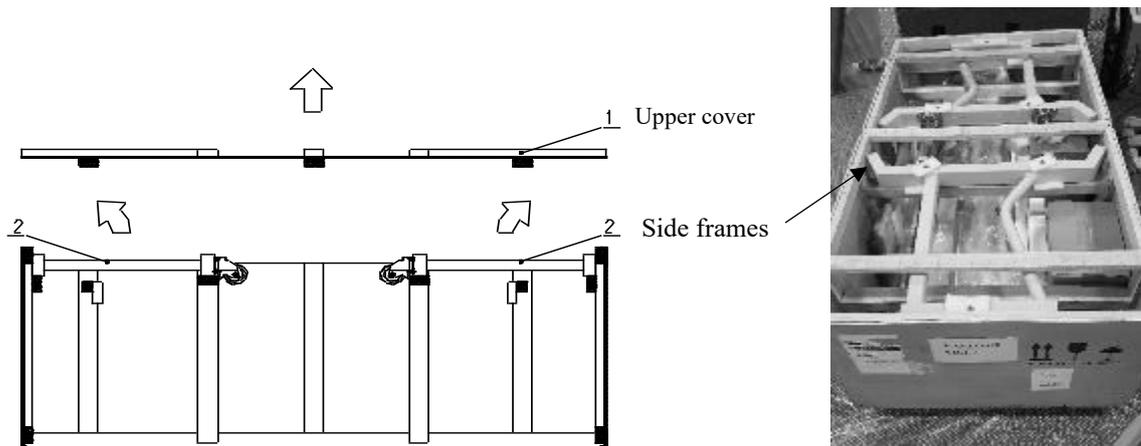
Remove all parts from shipping create and boxes. Inspect parts and the machine carefully. Any missing parts should be reported to the shipper upon receipt of shipment.

NOTE: Refer to the System Components section for hardware locations

Machine Crate			
Part	Quantity	Part	Quantity
Main Machine	1	Right rewind housing (#7)	1
Quick-Grip shafts	2	Locking Bolt	2
Stand locking screw	2	Feed Tray	1
Cardboard rewind tube	1	Allen wrench 6mm	1
Foot switch	1	Left rewind housing (#14)	1
Zippy knife	1	Hex screw 8mm x 80	12
Safety Shield	1	Flat washer 8	12
Rear Platform	1	Lock washer 8	12
Right stand side frame	1	Operating manual	1
Left stand side frame	1	Print hold down	1
Upper cross member	1	Print roll holder brackets	3
Lower cross members	2	Allen wrench 4mm (#7, #14)	1
Hex screw 5mm x 12 (#7, #14)	6	Flat washer 5 (#7, #12, #14)	10
Lock washer 5mm (#7, #12, #14)	10	M5X10 (#12)	8
Phillips screwdriver (#12)	1		

8. Installation

8a. Uncrate the machine

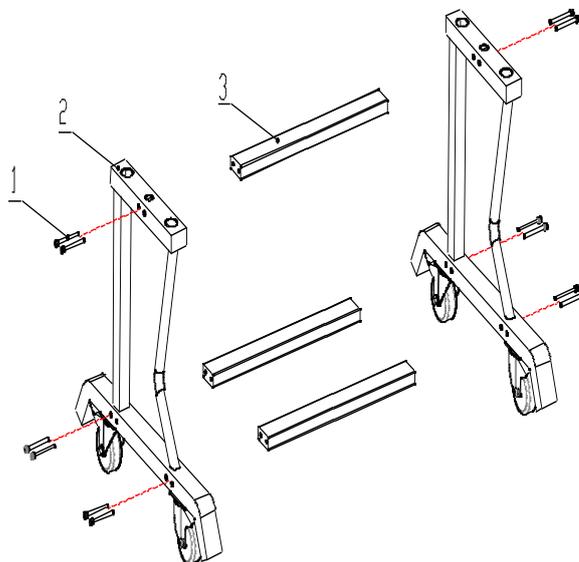


1. Remove all the screws holding the crate to the base, lift and set to the side.
2. Remove all the screws holding the lid to the crate and remove the stand side frames from the top of the crate.
3. Remove the cross members packed below the laminator feed tray.

8b. Assemble the stand

1. Assemble the stand as shown below.

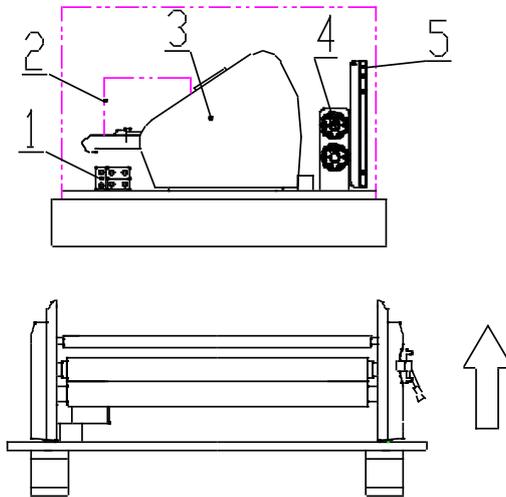
Hint: The stand is easier to assemble upside down, then flip over when completed.



1. Fastening bolts
2. Side frames
3. Frame cross members

8c. Remove the machine from base

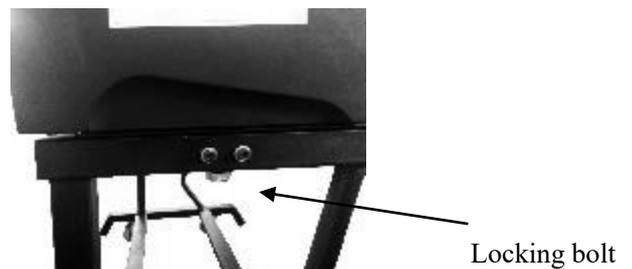
1. Remove accessory boxes, shafts, and other components around the machine
2. Pull back plastic dust cover around the machine



1. Stand cross members
2. Rewind housing boxed
3. Machine
4. Unwind/rewind shafts
5. Rear platform assembly

8d. Bolt Machine to the Stand

1. Position the assembled stand close to the base and orient it to the machine. Stand locking wheels are to the front of the machine.
2. Lift the machine and set it on the stand
3. Secure the machine to the stand using securing bolts in the accessory box.



⚠ Heavy! Handle with care!!

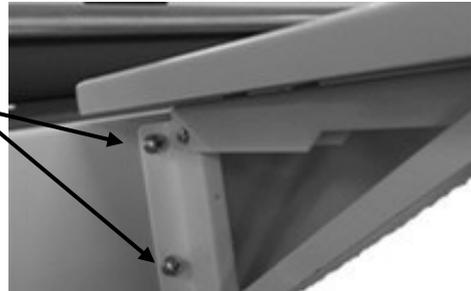
Warning: when moving the machine, lift by the machine side frames. Do not use roller gap adjustment handle for lifting!

8e. Attach rear platform

1. Secure the folding support of the rear platform to the rear of the machine by using bolts in the accessory box

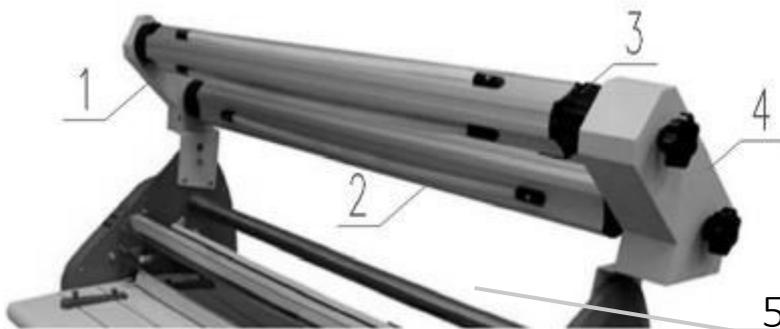


Securing screws



8f. Attach Upper Rewind supporting brackets

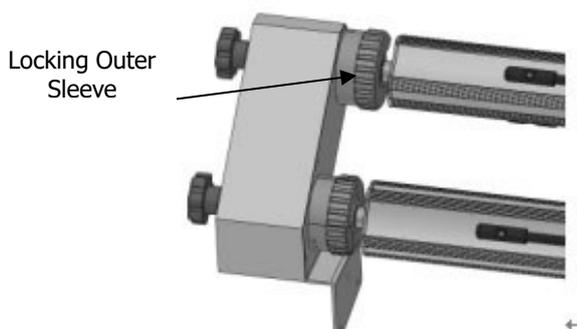
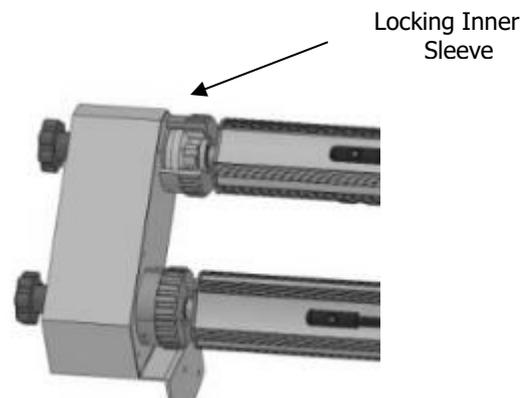
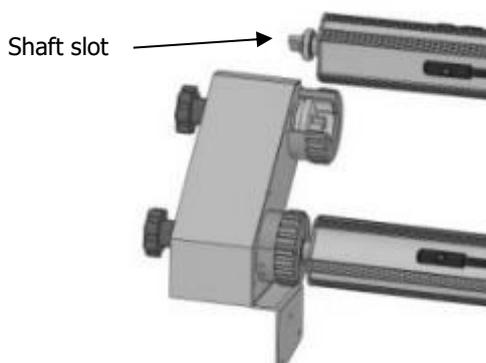
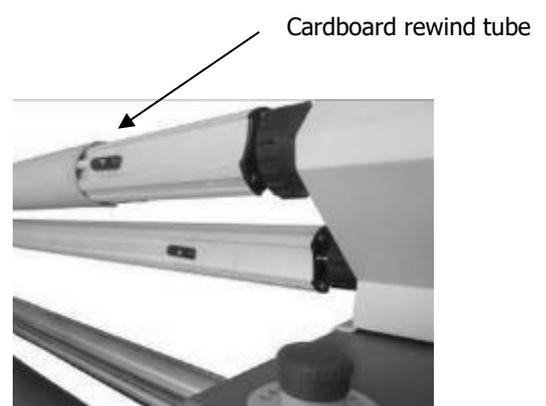
1. Use the Allen head screws to affix the rewind supporting plates to the machine side frames



1. Left Rewind housing
2. Unwind shaft
3. Rewind shaft
4. Right rewind housing
5. Idler bar

8g. Attach upper shafts

1. Rotate the locking outer sleeves in the direction of the arrow indicated in Figure 1, to their open position aligned with the inner sleeve as in Figure 2.
2. Insert slotted end of each upper shaft into the right shaft housing with tension adjustment knobs and drop shaft into place as in Figure 3.
3. Rotate all outer locking sleeves to lock shafts in place
4. A cardboard core is used on upper rewind shaft to take up film liner as in Figure 4

Figure 1**Figure 2****Figure 3****Figure 4****8h. Attach Safety Shield**

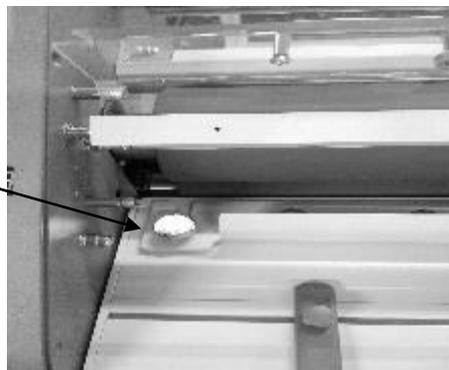
1. Hold the handles at both ends of the safety shield and align mounting block on safety shield with spring loaded pin in left side frame. Move shield in the direction of the arrow below
2. Align right mounting block on safety shield with locating pin on right side frame
3. The safety shield may be rotated up for access to the rollers.



8i. Attach Print Hold Down Clamp

1. Rotate the safety shield up and unscrew the thumbscrews at the both ends of the feed table. Then insert the print hold down clamp under each thumbscrew and tighten. To remove, rotate the safety shield up and unscrew the thumbscrews at the both ends of the feed table, and remove the print hold down clamp, then tighten the thumbscrews.

Thumbscrew



9. System Components

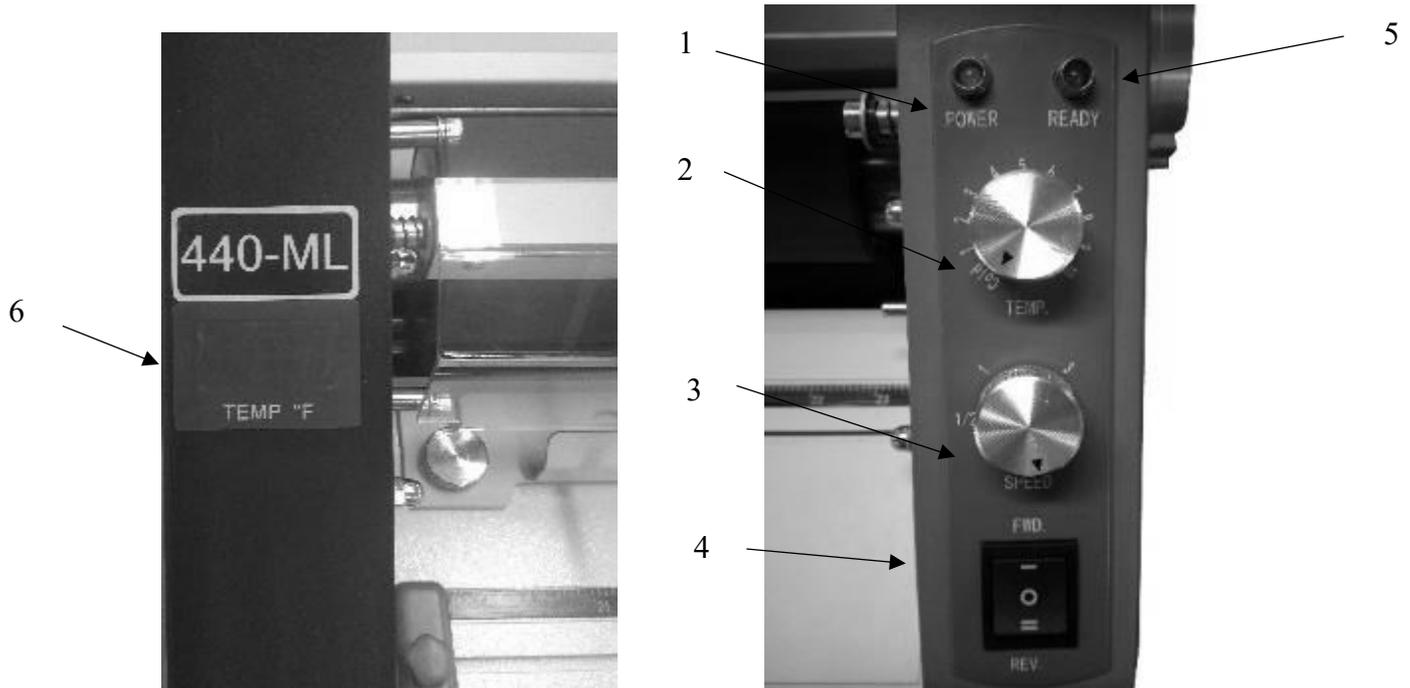


1. Left Side Cover
2. Feed tray
3. Print roll hangers
4. Stand
5. Roller gap handle
6. Right side cover
7. Rewind housing
8. Idler bar
9. Safety shield



10. Rear exit panel
11. Rear Platform
12. Support hinges
13. Emergency stop switch
14. Left rewind housing
15. Quick-grip unwind shaft
16. Quick-grip rewind shaft
17. Heat Sensor Support Bar

10. Control Panel



- | | |
|--------------------------------|-------------------------------|
| 1. Power indicator | 4. Motor function switch |
| 2. Temperature adjustment knob | 5 Ready light |
| 3. Speed adjustment knob | 6. Temperature display screen |

Note: Reverse operation can only be utilized with the foot switch.

1. When illuminated, indicates that the machine is turned on.
2. The temperature adjustment knob is used to adjust temperature of upper roller. When turned all the way counterclockwise the heat is off. Rotating it clockwise will adjust the temperature of the roller. Maximum temperature is 302° F.
3. Speed knob is used to adjust speed of the roller.
4. The forward, stop, and reverse switch is used to stop rotation of the roller and switch rotation direction of the rollers
5. The green LED Ready light will illuminate when the upper roller gets to the set temperature.
6. Temperature display screen is used to display actual temperature of the upper roller.

Note: The machine does not have continuous reverse. The reverse function can only be utilized with the foot switch.

11. Roller Gap Adjustment

1. The roller gap adjustment handle (see Fig.) is located on the right-side cover of the laminator and is used to adjust the roller gap and pressure.
2. There are four mounting gap settings; 1/4" (6mm) , 3/16" (5mm) , 1/8" (3mm) and 1/16" (1.5mm). Zero is for full pressure when laminating.



Caution! When not in use, set the Gap handle to the fully open position. When warming up the machine, set the Gap handle to ZERO and turn the motor speed to 1/2.

12. Operation

1. Connect the attachment plug provided with the laminator to a suitably grounded outlet only. This machine must have reliable earth wire to ensure the safety of the machine during operation.
2. Contact an electrician should the attachment plug provided with the laminator not match the receptacles at your location.
3. Ensure that the voltages of the power supply you are using match the rated working voltages before operations. Do not use incorrect power supply.
4. Make sure the Motor function switch on the front control panel is in the center, stop position.
5. Connect the power cord to the wall outlet and turn on the power switch to ON as shown in the figure below. You should hear three audible beeps, this means the machine is in the operation mode. If you only hear two beeps, check the Motor function switch for the proper location.



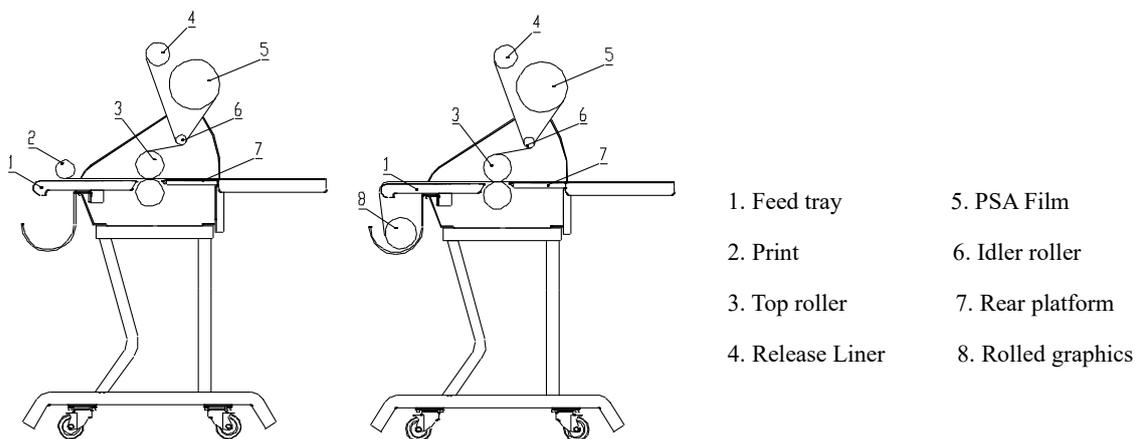
13. Loading top supply roll

1. Slide the top supply roll onto the rear Supply unwind shaft
 - a. If using Liner-in film, the web should come off the bottom of the roll, for Liner-out film the web should come off the top of the roll
2. Position the roll in the middle of the supply shaft.
3. Adjust the brake tension by turning the Tension adjustment knob
(Note: the brake tension should not prevent roll from turning)
4. Slide empty cardboard tube onto the top, front Liner rewind shaft

14. Threading film

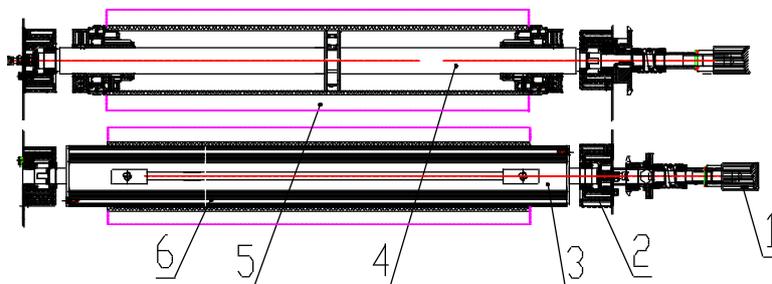
1. Turn the Roller Gap adjustment handle to full open position to lift the upper rubber roller.
2. Pass the film web under the idler bar and down in front of the roller
3. Separate 1" of the paper liner from the film web and attach film web to a leader board the width of the film roll then insert leader board into the rollers
4. Lower the top rubber roller onto the leader board
5. Pull the liner up and attach to a cardboard tube on the liner rewind shaft as in the diagram below
6. Use foot pedal to advance the film web until the leader board is under the roller

Note: The film should be wrinkleless and tight to the surface of the roller. If the film is not tight enough, increase the roller pressure. If wrinkles appear in the film web, adjust the brake tension on the top film supply roll.



15. Adjusting Brake Tension

1. Adjust the brake tension so the film does not wind up on the rewind and the release liner does not get pulled into the rollers.
2. The release liner should have a small amount of sag as it releases from the overlamine but not so much that it will be pulled into the nip area of the rollers.



1. Brake pressure adjusting knob; 2. Rewind/unwind locking sleeve; 3. Rewinding shaft; 4. Unwind shaft; 5. Roll film; 6. Rewind tube

16. Laminating Cold PSA film

Note: It is hard to remove film adhesive once it gets onto the rubber rollers. When laminating, always use film rolls the same width as the materials. If your sheets are narrower than the film roll, use a laminating sled to keep the film adhesive from sticking to the bottom rubber roller of the machine. Always use a media roll the same width or wider than the film supply roll.

To clean the rollers, use rubber eraser or Isopropyl Alcohol and a lint free cloth.

16a. Single sheets or media from a roll

1. Load a roll of laminating film on the top roller (see Loading top Roll supply section 12)
2. Turn the Roller Gap adjustment handle to full open position to lift the upper rubber roller.
3. Pass the film web under the idler bar and down in front of the roller
4. Separate 1" of the paper liner from the film web and attach film web to a leader board the width of the film roll, then insert leader board into the rollers
5. Lower the top rubber roller onto the leader board
6. Pull the liner up and attach to a cardboard tube on the liner rewind shaft
7. Use foot pedal to advance the film web until the leader board is under the roller
8. Pull the bottom media web up or slide single sheet to adhere to the exposed film web
9. Use foot pedal to advance both webs until cleared of the nip rollers
10. Lower the Gap adjustment handle to a gap position suitable for your image

16b. Single sheets using a sled

1. Load a roll of laminating film on the top roller (see Loading top Roll supply section 12)
2. Turn the roller gap handle to lift the upper roller.
3. Select a piece of Gatorboard or other PVC mounting board the width of the film web to use as a sled under the print to be laminated
4. Insert the sled between the nip rollers and lower the top roller until it touches the sled
5. Reverse the motor to back the sled out of the rollers
6. Pass the film web under the idler bar and down in front of the roller
7. Separate 1" of the paper liner from the film web, attach film web to a leader board the width of the film roll and insert leader board into the rollers
8. Use foot pedal to advance the film web half way through the roller and stop
9. Position print on the sled and insert into rollers
10. Depress the foot switch and run sled through
11. Insert another leader board or next sled right behind the first sled

17. Laminating and Mounting in one pass

17a. Heat-activated pouch boards

1. The recommended temperature setting is 10 on Temp dial
2. The recommended speed setting is 1/2
Note: If the board comes out cloudy, reduce the speed and run the board back through the machine.
3. Remove the print hold down clamp.
4. When the READY light illuminates, you are ready to run the boards.
5. Place the print to be laminated under the film layer on the adhesive side of the board then bring the film layer down over the print
6. Set the roller gap handle to the correct setting for the board thickness
7. Insert the board, sealed edge first, into the rollers and press FWD or use the foot pedal



17b. Thermal film and thermal boards

1. Load a roll of laminating film on the top roller (see Loading Top Roll supply section 12)
2. The recommended temperature setting is 10 on Temp dial (302° F)
3. The recommended speed setting is 1/2
Note: If the board comes out cloudy, reduce the speed and run the board back through the machine.
4. Remove the print hold down clamp
5. When the READY light illuminates, you are ready to run the boards.
6. Place the print to be laminated on the adhesive side of the board Set the roller gap handle to the correct setting for the board thickness
7. Insert the board into the rollers and press FWD or use the foot pedal
8. Insert another leader board or next board right behind the first board to keep the film adhesive from touching the bottom roller

18. Laminating pouches

1. The recommended temperature setting is 10 on Temp dial (302° F)
2. The recommended speed setting is 1
Note: If the pouch comes out cloudy, reduce the speed and run the board back through the machine.
3. When the READY light illuminates, you are ready to run the boards.
4. Insert the material to be laminated into the pouch ensuring there is a boarder of film all the way around the print.
6. Place the pouch with the print into a carrier provided by the pouch manufacturer.
7. Smooth out any wrinkles with side of your hands or soft scraper.
8. Adjust the roller gap adjustment handle to the 1/16” setting.
9. If the print comes out cloudy or has air bubbles, lower the pressure setting to ‘0’ and run back through the rollers.



NOTE: Always run a test sheet similar to the finished product to ensure you have the proper settings before the actual job is run.

19. Mounting

19a. Mounting Adhesive back vinyl to boards

1. Load a roll of printed adhesive back vinyl on the top supply roller (see Loading top Roll supply section 13)
2. Turn the roller gap handle to lift the upper roller.
3. Select a piece of Gatorboard or other PVC mounting board the width of the vinyl web and the same thickness as the board to be coated for use as a leader board
4. Insert the leader board between the nip rollers
5. Lower the top roller onto the leader board to the preset gap setting on the gap adjustment handle
6. Pass the vinyl web under the idler bar and down in front of the roller
7. Separate 1" of the paper liner from the vinyl web, attach vinyl web to a leader board
8. Use foot pedal to advance the leader board half way through the roller and stop
9. Insert mounting board to be coated and depress foot switch
10. After the last board, insert leader board to keep adhesive from contacting the rollers

19b. Pre-coating mounting boards

1. Load a roll of mounting adhesive on the top roller
2. Insert leader board the same thickness as the board to be coated and the width of the mounting adhesive, between the nip rollers and lower the top roller to the preset gap setting on the gap adjustment handle
3. Pull mounting adhesive down over the idler bar and over the front of nip roller and adhere to the leader board
4. Run leader board half way through the roller and stop
5. Insert mounting board to be coated and depress foot switch
6. After the last board, insert leader board to keep adhesive from contacting the rollers

19c Mounting print to a pre-coated mounting board

1. Pull back and fold down 1" of the liner from the pre-coated mounting board
2. Adhere leading edge of the print to the exposed adhesive on the board
3. Insert leading 1" of the board into the nip rollers
4. Adjust the roller pressure to the preset gap setting on the pressure handle
5. Lay print over top nip roller
6. Hold release liner on board with one hand and apply pressure to print as it comes over the top roller.
7. Depress the foot switch to run the board and print through the rollers

20. Heat Sensor Blocked Function

1. If the heat sensor becomes blocked or has failed the power indicator will flicker. After one minute, the machine will automatically turn off its heating system. It is necessary to turn off the machine at once and check to see what is blocking the sensor, located directly behind the top roller in the center. If the fault is not eliminated, please contact with the after-sales service personnel.
2. During normal operation of the machine, the buzzer gives two sounds and the power indicator flickers. In this case, it shows that temperature detected by the temperature sensor on the upper roller is more than 180°C and the machine will automatically turn off its heating system.
3. If the machine is under high temperature status and there is any paper blocking temperature sensor, the machine will warn and turn off the heating system, and the power indicator will flicker and buzzer gives three sounds circularly. According to different sounds of the buzzer, you can judge fault type of the machine.

21. Roller Cleaning Function

1. First, remove the Safety Shield and Feed Table
2. Turn main power ON/OFF switch to OFF position
3. Press and hold the Reverse switch while turning the ON/OFF switch back to ON
4. Release the Reverse switch
 - a. You will hear two audible beeps and the Power and Ready lights will alternate on and off indicating the Cleaning mode
5. Use the reverse switch to rotate the rollers for cleaning
6. To return to normal operation, turn the main ON/OFF switch to OFF
7. Return Safety Shield and Feed Table to the home position

22. Auto Sleep Function

1. If the motor has been idle for Three (3) hours without running, the machine will go into STAND BY mode. The temperature drops to 176° F and the ready light flashes.
 - a. To resume operation, turn the MOTOR switch to the FWD position, then back to the middle OFF position.
 - b. Allow machine to reheat to proper temperature and Ready light to illuminate solid.
2. If the motor has been idle for four (4) hours without running, the machine will go into SLEEP mode, and the heaters are turned off.
 - a. To resume operation, turn the ON/OFF switch to OFF position, then back to ON and allow the ready light to come on.

23. Photo Safety Eye

1. When the machine switch is set to FWD, it is possible to normally adjust speed of the machine. If the photo safety eye is blocked, the motor will stop and the machine will not operate. To reset, place the motor switch is in the center position. When pressing the foot switch, the machine will operate, and the speed can be adjusted.
2. When the motor switch is set to reverse rotation, the machine will only operate when pressing the foot switch; the machine will operate at 3ft/min.
3. When the motor switch is in the center position, the photo safety eye will be reset. When pressing the foot switch, the machine will operate and speed can be adjusted. The rotation direction will be in the forward rotation.
4. Anything blocking the photo safety eye will cause the motor to stop, i.e. curled prints, hands, thick substrates.
5. If the boards being run through the machine keep blocking the photo eye, use the foot pedal as it will override the photo eye.

24. Troubleshooting

Problems	Causes	Solutions
Machine does not turn on	<ol style="list-style-type: none"> 1. No power supply 2. Main power switch is OFF 3. Circuit breaker has tripped 4. Blown main power fuse 5. Motor has failed 	<ol style="list-style-type: none"> 1. Plug in power cord 2. Place power switch to ON 3. Reset circuit breaker 4. Replace fuse on rear panel 5. Change the electric motor
Rollers do not turn after “FWD” button is pressed	<ol style="list-style-type: none"> 1. Emergency switch is engaged 2. Excess roller nip pressure 3. Photo eye blocked 	<ol style="list-style-type: none"> 1. Disengage emergency switch 2. Reduce the nip pressure of the rubber rollers 3. Remove the blockage
Poor film adhesion or cloudy prints	<ol style="list-style-type: none"> 1. Nip roller pressure too low 2. Dust on the surface of the print 3. Not hot enough if using thermal film 	<ol style="list-style-type: none"> 1. Increase nip roller pressure 2. Clean print surface before lamination 3. Increase the temperature
Poor film adhesion on one side	<ol style="list-style-type: none"> 1. Nip roller pressure on the two sides is not even 	<ol style="list-style-type: none"> 1. See “Roller gap adjustment”
Film supply roll gets loose during operation	<ol style="list-style-type: none"> 1. Not enough brake tension on supply roll 	<ol style="list-style-type: none"> 1. Increase brake tension on supply roll
Release liner gets loose when being rewound	<ol style="list-style-type: none"> 1. Not enough brake tension on the release liner rewind shaft 	<ol style="list-style-type: none"> 1. Increase brake tension on release liner rewind shaft
Wrinkles in web both on top and bottom	<ol style="list-style-type: none"> 1. Too much nip roller pressure 	<ol style="list-style-type: none"> 1. Reduce nip pressure with hand wheel

25. Specifications

Model Specifications	Phoenix 440-ML
Applications	PSA film, pouch boards, pouches, mounting boards
Speed adjustment range	0~1.5m/min
Temperature	100~302°F (37.7-150°C)
Maximum width	44" (1120mm)
Film gage	1.5 – 5 mil
Gap/Pressure settings	0", 1/16", 1/8", 3/16" and 1/4" respectively
Maximum gap height	5/16
Rated input voltage	120 V ; 60 Hz
Maximum input power	1440 W
Maximum input current	12 A
Dimensions w/rear deck up (L ×W ×H)	57"x37.75"x50" (1450×960×1270mm)
Shipping dimensions (L ×W ×H)	59.25"x35.5"x26.75" (1505×900×680mm)
Net weight (L x W x H)	264 lbs. (120Kg)
Shipping weight	365 lbs. (166 Kg)

▲ Warning: Please pay attention to rated voltage of this machine. Do not use incorrect voltage!

26. Limited Warranty

The Manufacturer warrants to the original Consumer purchaser that each new PHOENIX Laminator which proves defective in materials or workmanship within the applicable warranty period will be repaired at our option or replaced without charge. The Applicable Warranty period for the New PHOENIX Laminators shall be one year on parts and three months on labor and rollers from date of purchase.

After three months and for up to one year after the date of purchase, the manufacturer will complete Warranty repair labor at no charge provided the labor is completed at one of our Authorized Locations. It is the responsibility of the original consumer purchaser to return the PHOENIX laminator to our Authorized Locations. For a list of Authorized Repair Locations, please contact your Dealer.

All Warranty Repairs must be approved in advance by Technical Service. If returning the PHOENIX for approved Warranty repairs, it is the consumer's responsibility to ensure the machine is packaged in its original packing to minimize the chances of any shipping damage. Shipping damage is not covered under this Warranty and is a matter between the consumer and the freight company used to transport this back to the authorized repair center. If you need proper packaging, your Dealer can supply such packaging at a nominal cost. This Warranty extend to and is enforceable by only the original consumer purchaser, and only for the period (during the applicable term), which the product remains in the possession of the original consumer purchaser.

"Original consumer purchaser" means the person who first purchased the product covered by this warranty. It does not apply if it is found that at any time the equipment has not been used for its intended purpose. Any unauthorized changes or modifications to this unit without our prior written approval will void the user's Warranty.

The applicable warranty period for Demo Equipment shall vary, not exceeding the maximum warranty period stated herein. All Demo Equipment comes with a specific warranty, which will be stated at the time of purchase. If warranty period is not detailed in writing, there is no remaining warranty. Please ask your dealer or sales representative for details.

Used Equipment or non-Demo equipment is sold on an "AS IS" basis with No Warranty. For more information regarding this warranty, please contact your distributor. The information contained in this document is subject to change without notice.

The Manufacturer assumes no responsibility for any errors that may appear in the Owner's Manual. Nor does it make expressed or implied warranty of any kind with regard to this material including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The Manufacturer shall not be liable for incidental or consequential damages in connection with, or arising out of the furnishing, performance, or use of this document and the program material, which it describes.

Phoenix Authorized Repair Center

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