Graphic Finishing partners

OPERATING MANUAL Gfp 663TH

Please read this manual carefully before operating!

Unpacking, assembly, and operating videos are available at www.gfpartnersllc.com

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1. Introduction

Thank you for choosing the Gfp 663TH laminator. 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 ground 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, CAN ICES-3(B)/NMB-3(B), 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 blades 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 touch the rollers when they are hot or 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 misuse by others.
- Shut down the power before moving the machine.
- Note the locations of castors 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 lies idle for a long period of time, raise the top rubber roller to avoid flat spots on the rubber surface.
- Do not cover the surface of the machine until the machine has completely cooled.
- Perform only the routine maintenance procedures referred to in these instructions.

6. Operating Conditions

- Place machine on level surface
- Environment requirements：
- Ambient temperature: 50^0 F - 104^0 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 less than ½" thick.
- For objects over ½" but less than 1" thick, use the foot pedal switch.
- Operator should be present while machine is in operation.

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

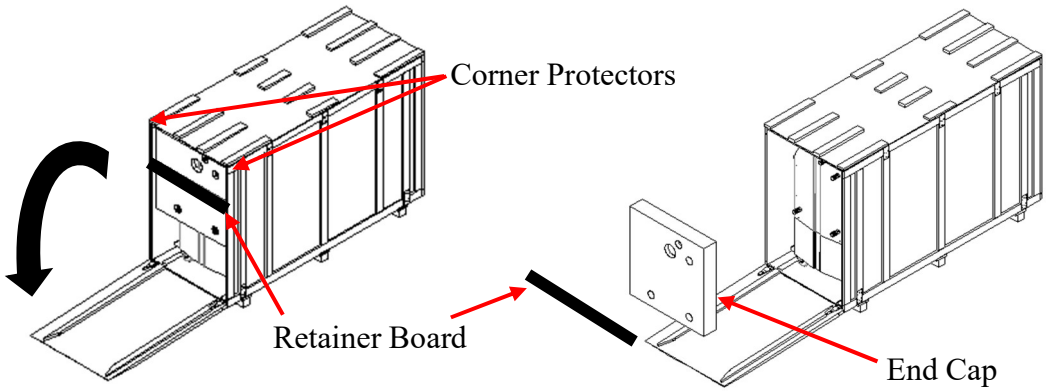
7. Packing List

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.

Main Machine Crate	
Part	**Quantity**
Main Machine	1
Foot Pedal	1
Rewind Tube	2
Control Panel Boom	1
Operation Manual	1
Film Cutter	1
Storage Box	1
Alignment Disk	2
Fuse 2 Amp	2
Rotary Side Slitters	2

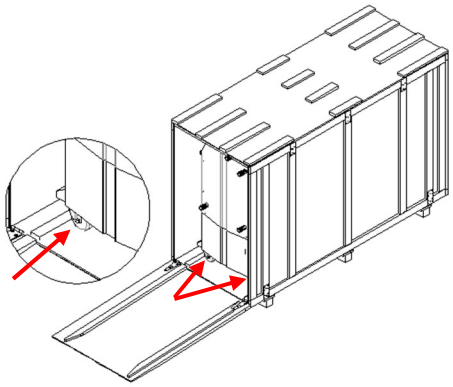
8. Installation

8A.

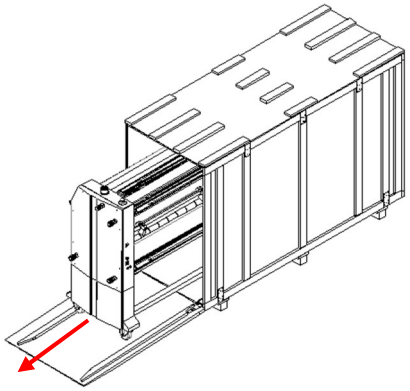


Remove the corner protectors and screws from the top and sides of the crate and swing the ramp down.

Remove the retainer board and end cap.



Rotate the castors so they are facing out.



Roll the laminator out of the crate onto the ramp.

8B. Remove the Accessories

1. Remove plastic cover, accessory boxes, toolbox and Operator's Manual.

9. Additional Installation Items

1. **Remove the shipping blocks and wire ties from the ends of the rollers before attempting to raise the top roller!**
2. Slide the Control Panel boom into the receptacle and tighten the knurled locking collar, Fig. 9a. **NOTE:** Make sure the Control Panel is facing the front of the laminator before inserting the boom and tightening the locking collar.
3. Install the foot pedal, Fig. 9b.
4. Check drive chains for tightness.
5. Check all drive set screws for tightness.
6. Check all electrical connections and input power and test for proper operation.

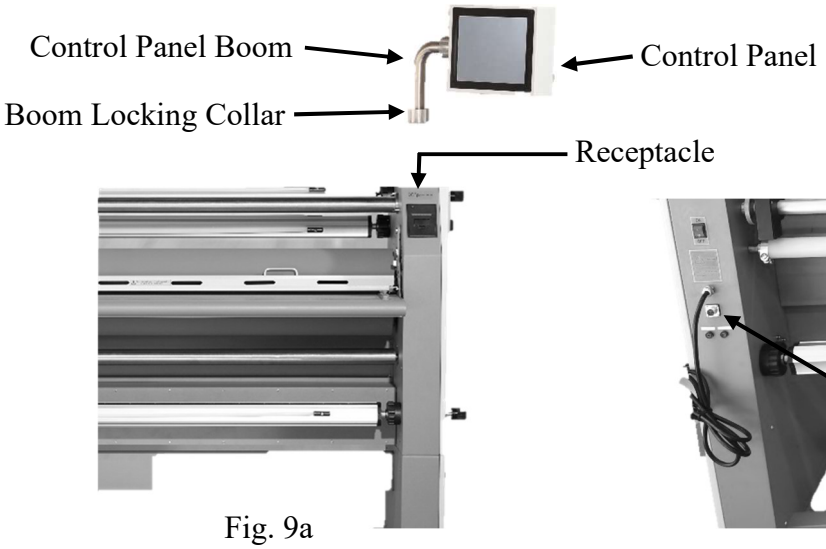


Fig. 9a

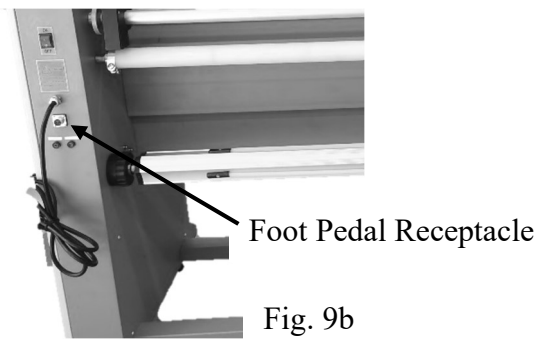
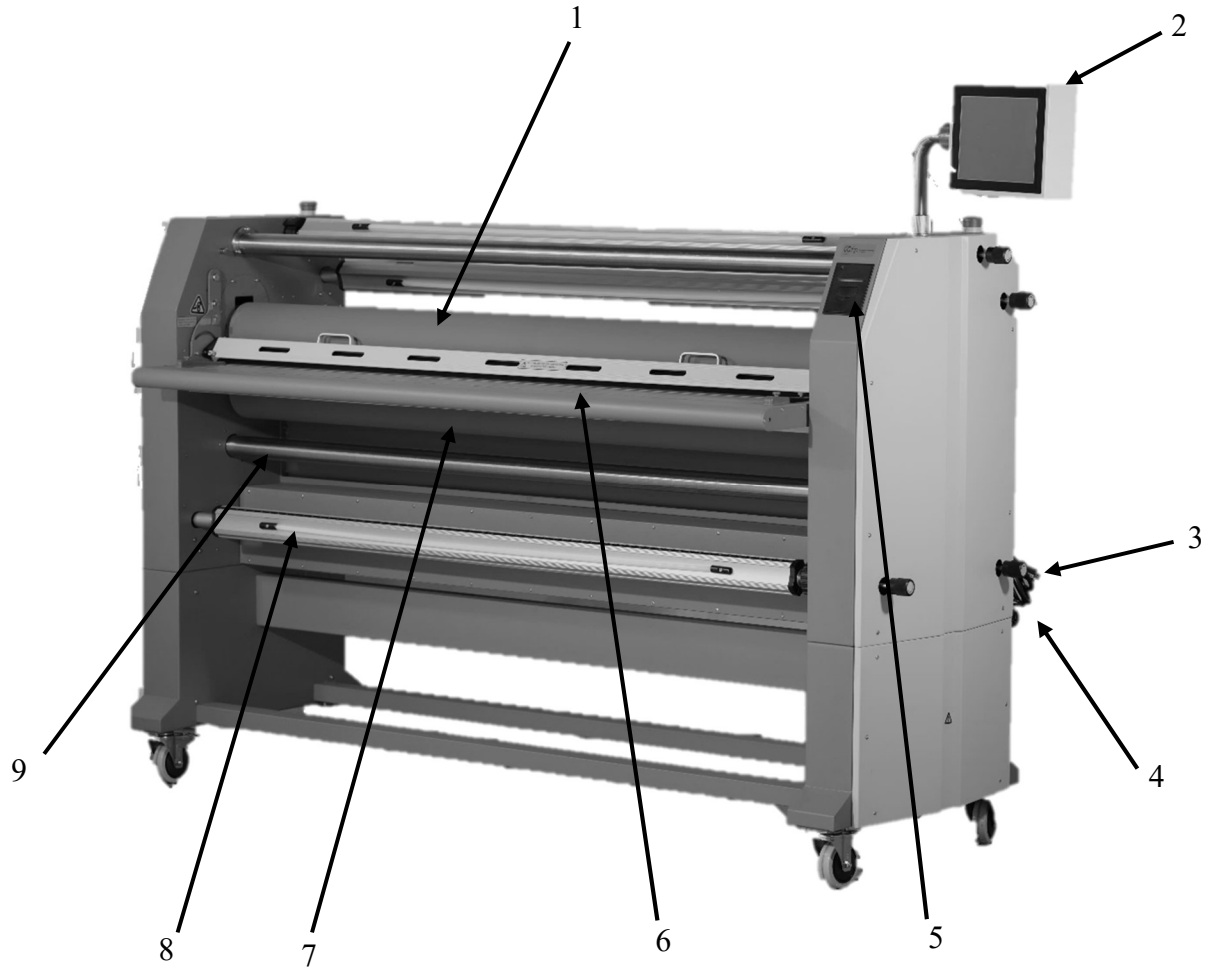
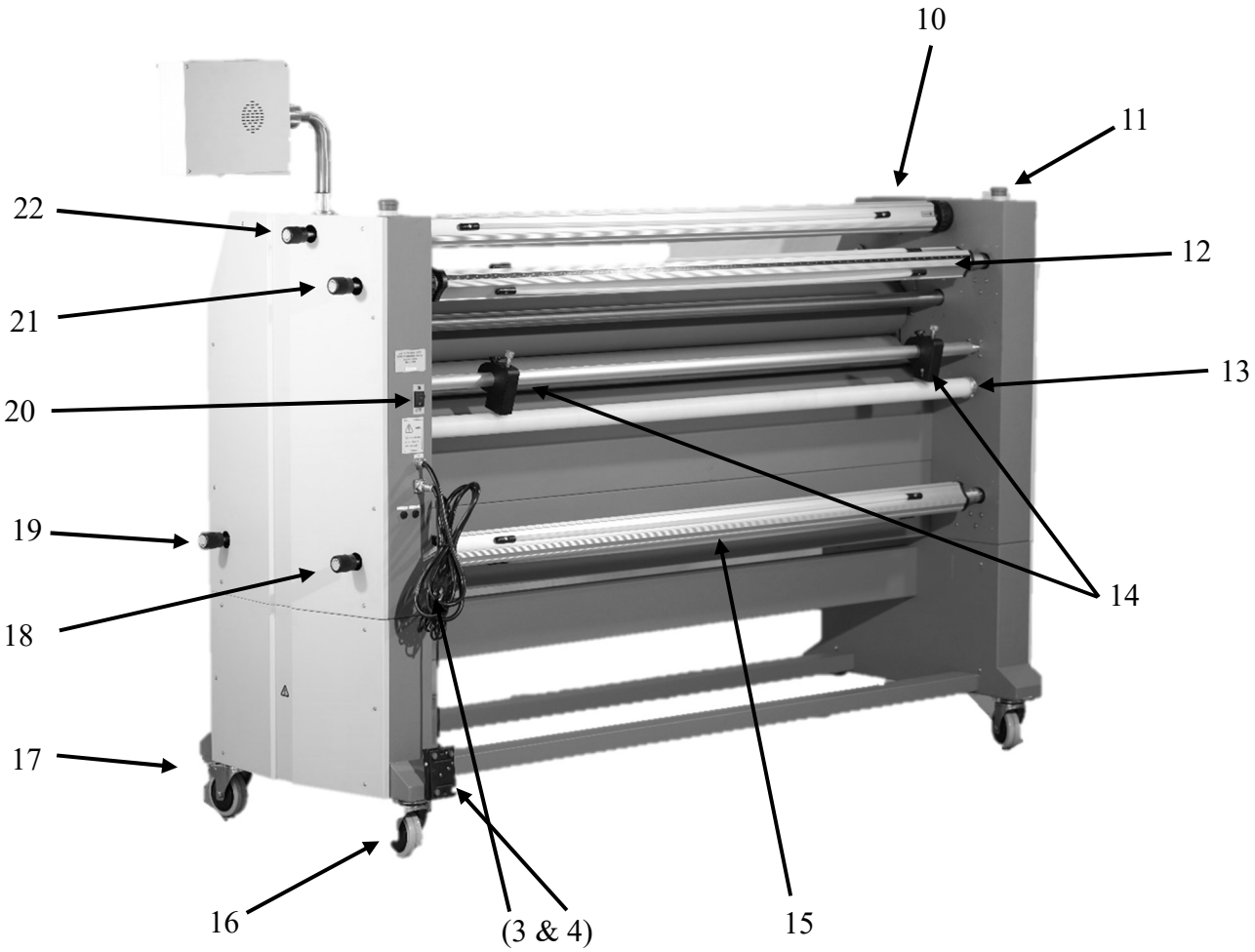


Fig. 9b

10. System Components

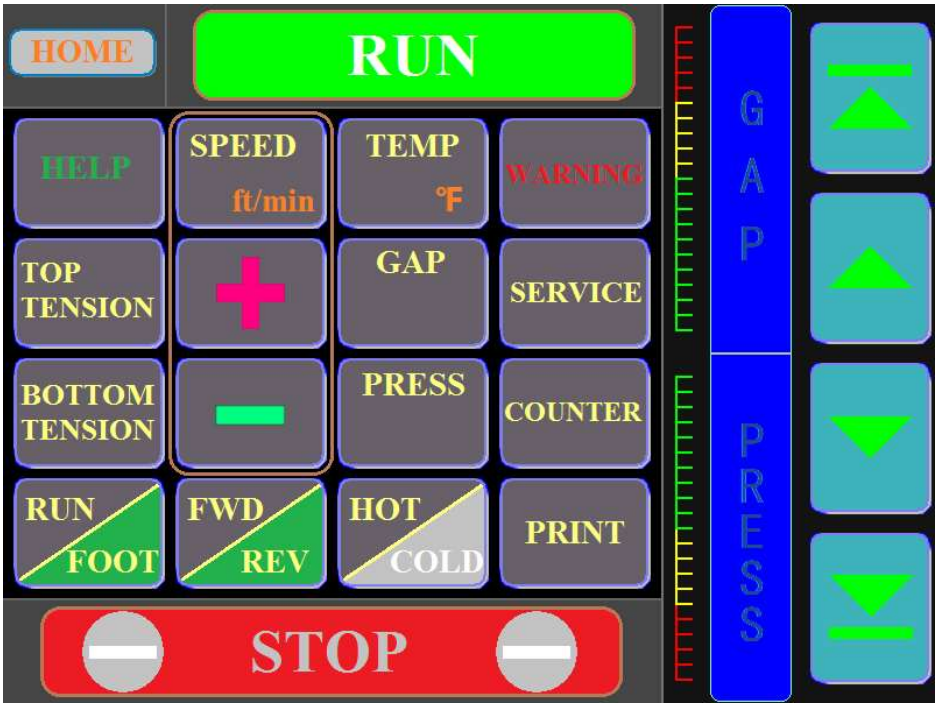


1 Top Main Roller
2 Control Panel
3 Power Cord
4 Foot Pedal
5 Printer
6 Feed Table w/Print Roller
7 Bottom Main Roller (under the Feed Table)
8 Lower Front Unwind
9 Lower Front Idler Bar



10 Upper Release Liner Rewind
11 E-Stop
12 Upper Rear Unwind
13 Side Slitter Guide Bar
14 Side Slitters
15 Lower Rear Rewind
16 Castor
17 Castor w/Brake
18 Lower Rear Rewind Clutch
19 Lower Front Brake
20 Main ON/OFF Switch
21 Upper Unwind Brake
22 Upper Rewind Clutch

11A. Control Panel Main Screen, (HOME)



The Main Screen consist of all the keys used to perform normal operations and adjustments. These keys are:

RUN: Starts the main drive motor

STOP: Stops the main drive motor

HELP: Takes you to the TUTORIAL Screens. You may toggle through each screen by pressing Next then Home to return to the Main Screen:

WEBBING	(8Bi)
BRAKES	(8Bii)
GAP 1	(8Biii)
GAP 2	(8Biv)
COUNTER 1	(8Bv)
COUNTER 2	(8Bvi)

SPEED: Takes you to the Operational Speed screen where you can select preset speeds or input or any desired speed.

TEMP: Takes you to the Operational Temperature screen where you can select preset temperatures or input any desired temperature up to 140F.

GAP: Takes you to the Operational Gap screen where you can select preset gaps or input any desired gap by using the +/- keys or using the Finger Slide.

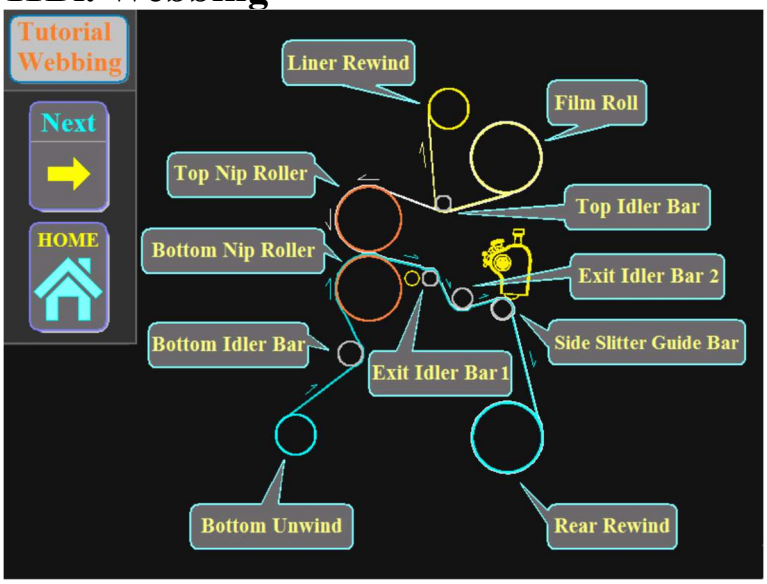
GAP ⏫ : When pressed, raises the top roller all the way to the top opening.
GAP ▲ : When pressed, raises the top roller incrementally.
PRESS: Takes you to the Operational Pressure screen where you can select preset pressures or input any desired pressure by using the +/- keys or using the Finger Slide.
PRESS ▼ : When pressed, lowers the top roller incrementally.
PRESS ⏬ : When pressed, lowers the top roller all the way to the closed position.
WARNING: When flashing, alerts the operator to unsafe or out of parameter conditions. When pressed, takes you to the screen identifying the condition(s) for correction.
TOP TENSION: Allows the operator to input desired over/under tension warnings for the product being run.
BOTTOM TENSION: Allows the operator to input desired over/under tension warnings for the product being run.
SERVICE: Takes you to the Service screens. Inside these screens, operators can make changes to factory parameter settings for the following operations:

Gap	(8Dii)
Pressure	(8Diii)
Top Tension	(8Div)
Bottom Tension	(8Dv)
Temperature	(8Dvi)
Speed	(8Dvii)
RESET	(8Dviii)

COUNTER: The operator can input starting lengths . It allows the operator to see total film usage for the job just run as well as daily and overall usage.
PRINT: Imports the length of film used in the current job. The operator can create and store types of film and then choose any of the different types of film to printed on the label. This screen also allows the operator to input the Month, Day Year as well as the time of day.
RUN/FOOT: Allows the operator to choose between running continuously or using the foot pedal.
FWD/REV: Allows the laminator to run in either forward or reverse mode. Reverse only runs with the foot pedal.
HOT/COLD: Allows the operator to choose between no heat or top heat assist.

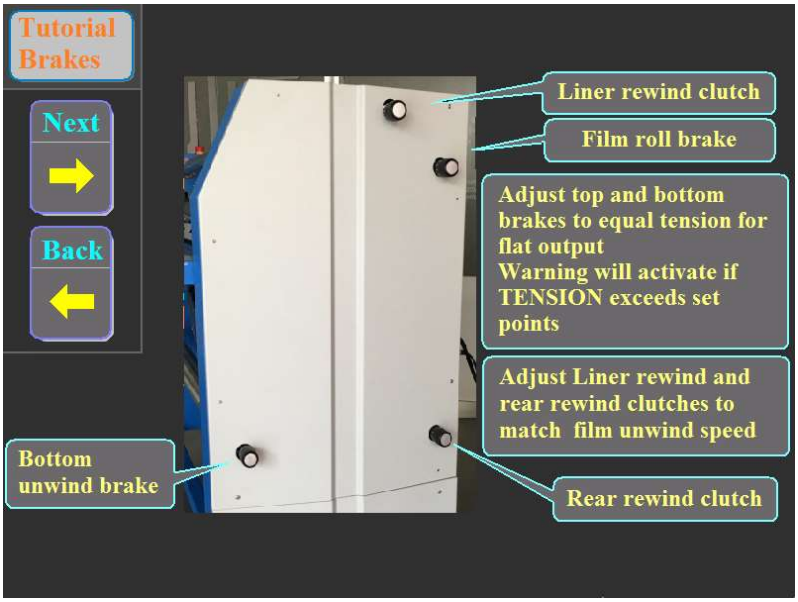
11B. HELP Screens (TUTORIAL)

11Bi. Webbing



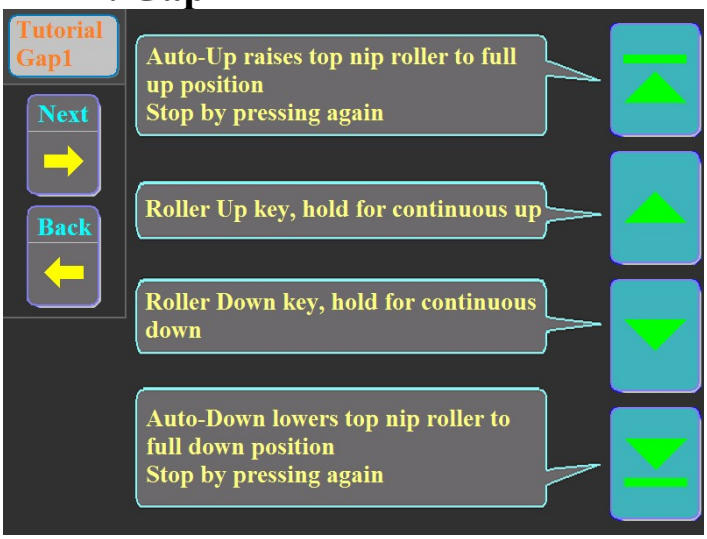
This screen shows the path for running a PSA overlaminate on the top and a printed media on the bottom. It identifies all the rollers and idler bars.

11Bii. Brakes and Clutches



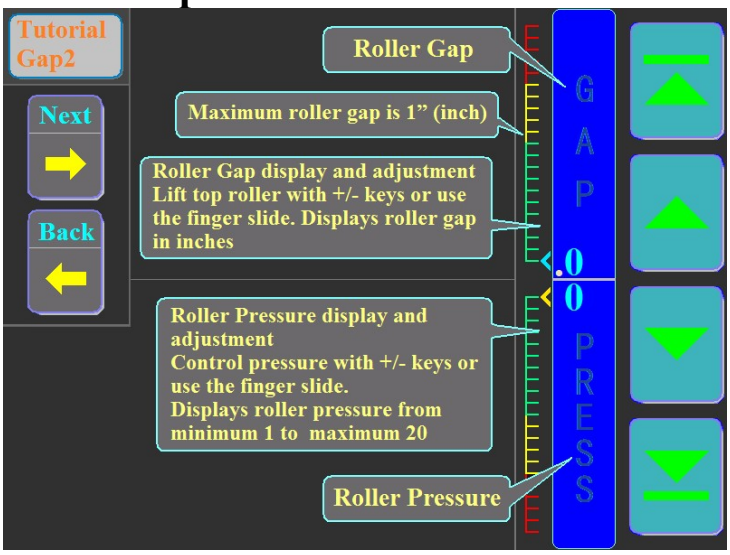
This screen identifies the various brakes and clutches on the laminator.

11Biii. Gap 1



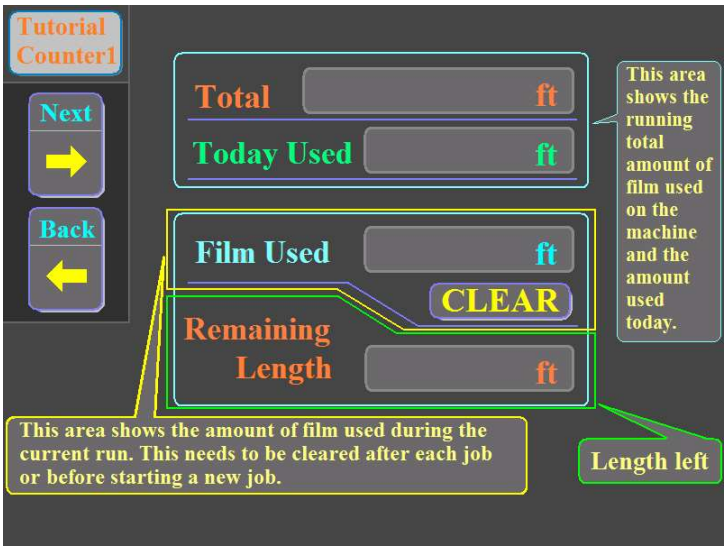
This screen identifies the auto-up/auto-down keys as well as the incremental keys.

11Biv. Gap 2



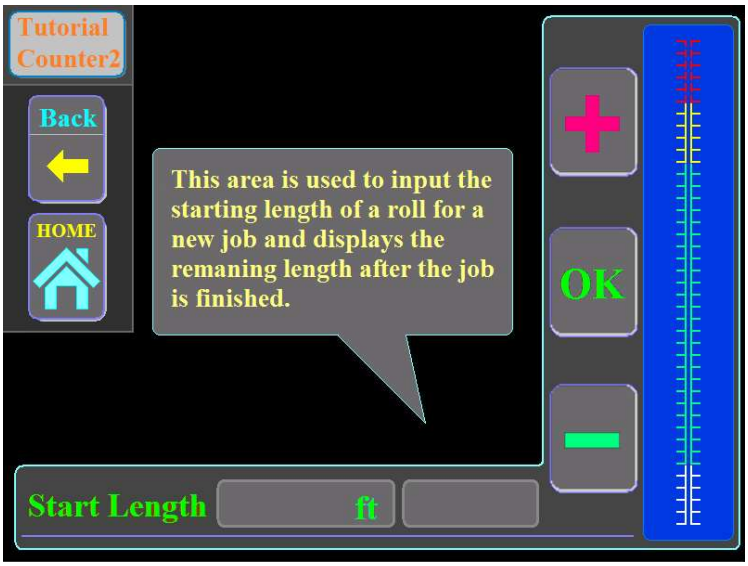
This screen explains how you can use the +/- keys or the finger slide keys to adjust the position of the top roller.

11Bv. Counter 1



This screen explains the different fields for the total film usage as well as daily and current job usage.

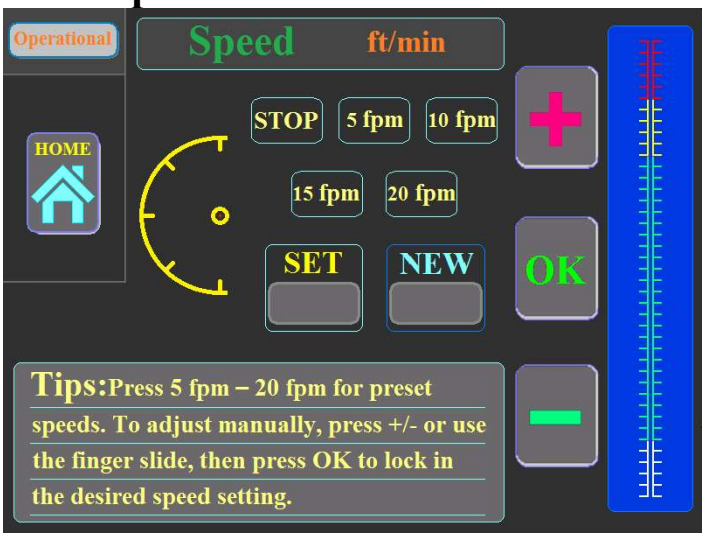
11Bvi. Counter 2



This screen is a continuation of Counter 1 and explains the Start Length input for each new job. You will see these two screens combined in the Operation Counter screen.

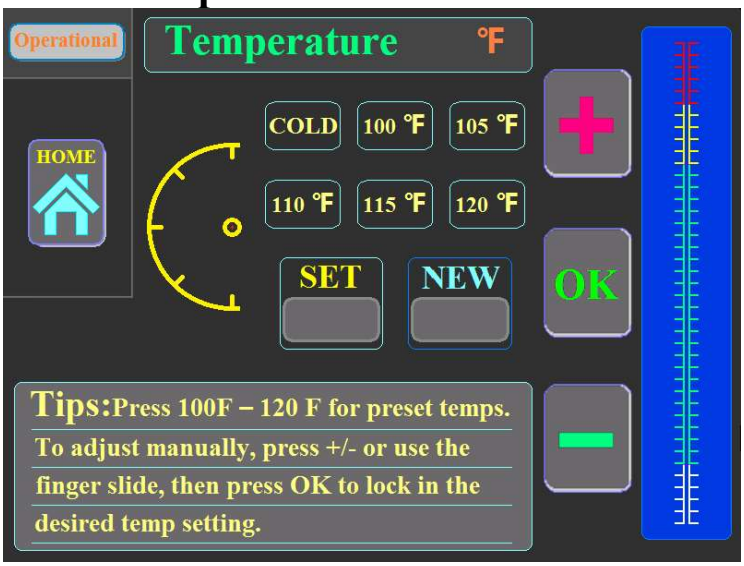
11C. Operational

11Ci. Speed



When SPEED is pressed on the HOME screen, it takes you to this screen. You may select any of the presets by pressing that key, then pressing OK. You may also change the speed by using the +/- keys or the finger slide then pressing OK. Press HOME to return to the Main screen.

11Cii. Temperature

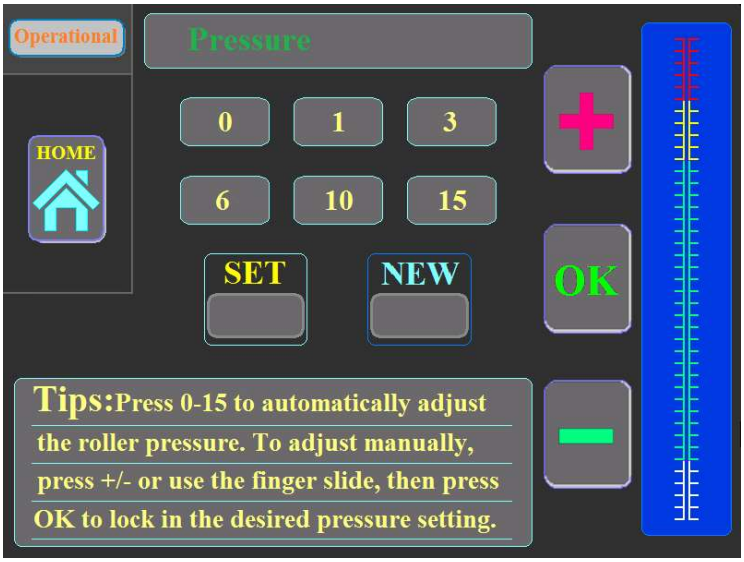


When TEMP is pressed on the HOME screen, it takes you to this screen. You may select any of the presets by pressing that key, then pressing OK. You may also change the temperature by using the +/- keys or the finger slide then pressing OK. Press HOME to return to the Main screen.

11Ciii. Gap

When GAP is pressed on the HOME screen, it takes you to this screen. You may select any of the presets by pressing that key, then pressing OK. You may also change the gap by using the +/- keys or the finger slide then pressing OK. Press HOME to return to the Main screen.

11Civ. Pressure

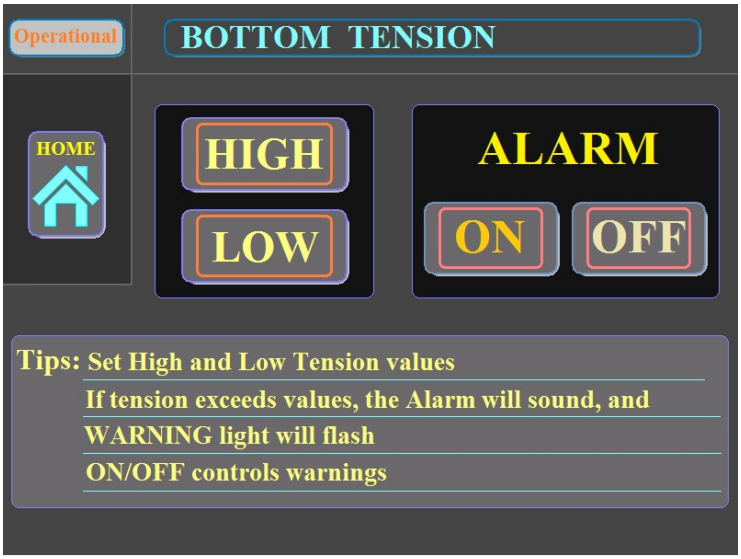


When PRESS is pressed on the HOME screen, it takes you to this screen. You may select any of the presets by pressing that key, then pressing OK. You may also change the pressure by using the +/- keys or the finger slide then pressing OK. Press HOME to return to the Main screen.

11Cv. Top Tension

If the alarm is set and either of the parameters are exceeded, the TOP TENSION key will start flashing. To correct, pressing TOP TENSION on the HOME screen, will take you to this screen. You will have to add tension or release tension according to the alarm displayed. You may arm or disarm the alarm by pressing ON or OFF. If you choose to disarm the alarm you must choose which mode by pressing the HIGH and/or LOW keys. Press HOME to return to the Main screen.

11Cvi. Bottom Tension



If the alarm is set and either of the parameters are exceeded, the TOP TENSION key will start flashing. To correct, pressing BOTTOM TENSION on the HOME screen, will take you to this screen. You will have to add tension or release tension according to the alarm displayed. You may arm or disarm the alarm by pressing ON or OFF. If you choose to disarm the alarm you must choose which mode by pressing the HIGH and/or LOW keys.

11Cvii. WARNING

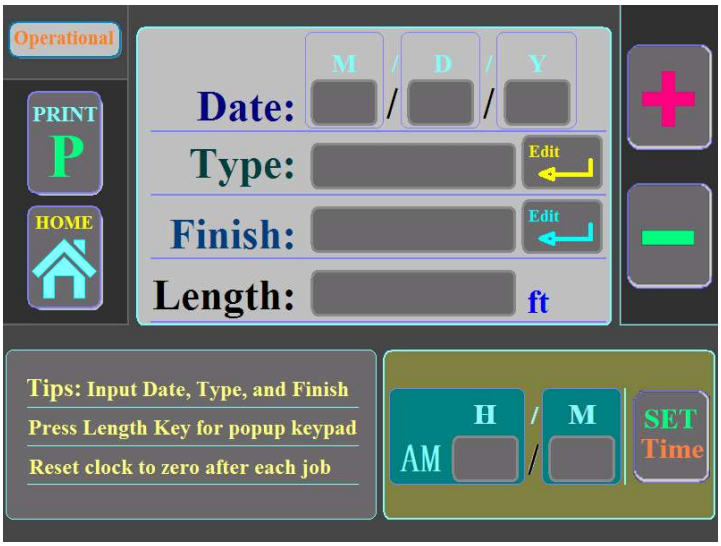
The flashing WARNING alerts the operator to an unwanted condition. Pressing the WARNING key will take you to this screen. If an E-Stop is depressed, the corresponding E-Stop on the screen will flash telling you which one it is. If the safety photo-eye was blocked, you will see a red flashing triangle on the screen. To correct, clear the condition that caused the warning or release the E-Stop, then press RESET. Press HOME to return to the main screen.

11Cviii. Counter

Pressing COUNTER will take you to this screen. The TOTAL number of feet run through the machine will be displayed as well as the total number of feet run that day in Today Used. That number will be cleared out at midnight every day, starting the new day at zero (0). Press CLEAR each time you start a new job. Film Used displays the number of feet used on the

current job if the prior job is cleared first. Failure to do so will only add the previous job to the current one.
To input the starting length press, Start Length and use the Finger Slide starting at the bottom and sliding up. You may use the +/- keys to fine tune the number, then press OK to confirm.

11Cix. Printer



Pressing PRINT brings you to this screen. You can set the date, type of film, finish of the film and the time of day. The amount of film used on the current job will be displayed in Length.

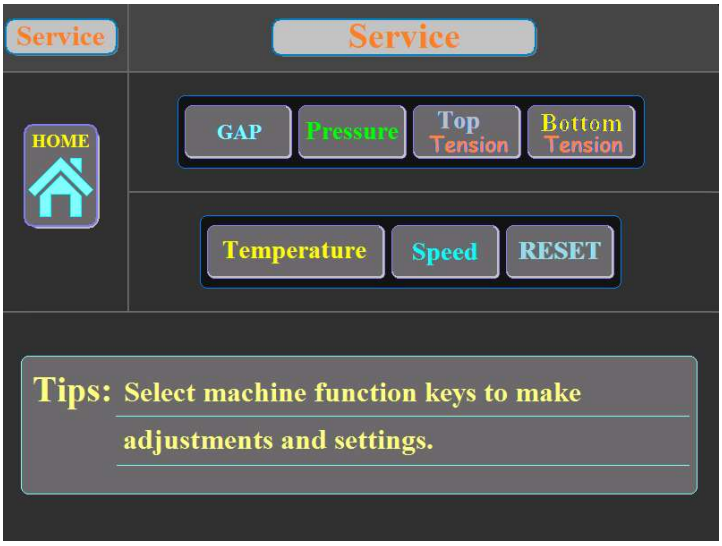
To set the date: Press each key, one at a time, then toggle between +/- to the desired number.
To set the time: Press each key, one at a time, then toggle between +/- to the desired number, press SET.

To input the different types of films and finishes, press the corresponding Edit key. A keyboard will pop up allowing you to create what you want. You can create up to 10 different types of films and finishes.

Once you have the types you need, to choose between them , press that key and us the +/- keys for the desired type.

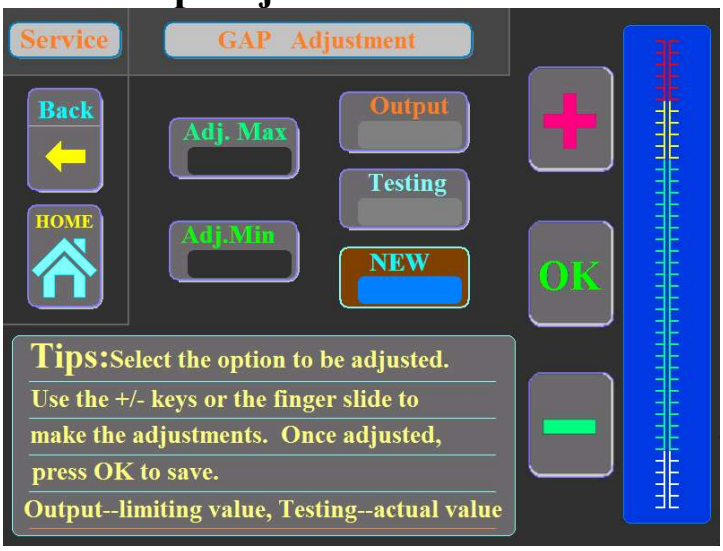
11D. Service

11Di. Main Service Screen



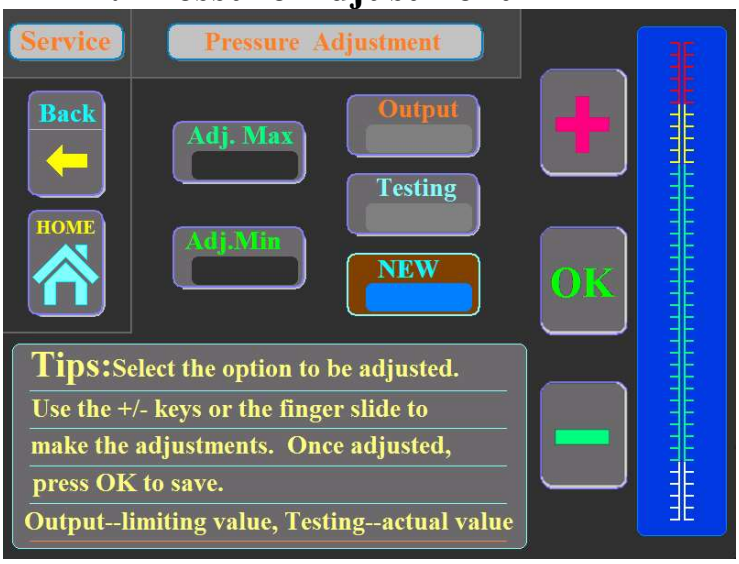
This screen allows the operator to make changes to various functions, calibrate settings and reset to factory settings. Factory settings will be supplied in a separate supplement.

11Dii. Gap Adjustment



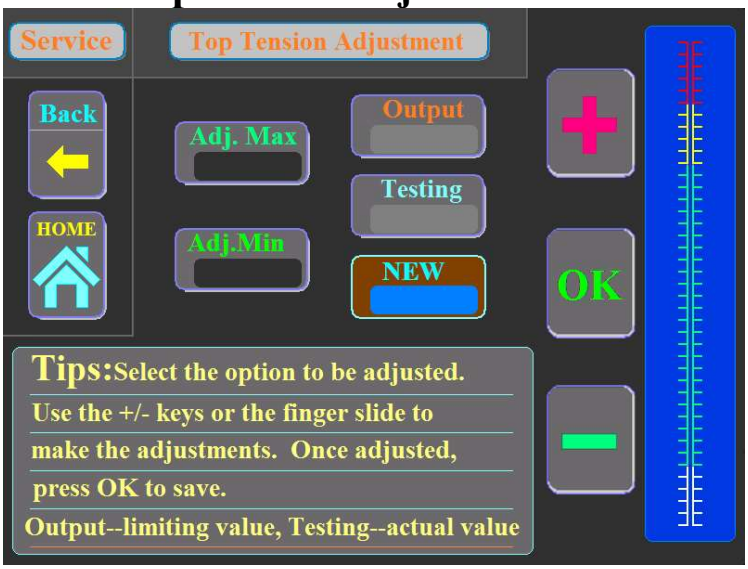
This screen allows the operator to change the factory gap settings should the unit every become out of calibration.

11Diii. Pressure Adjustment



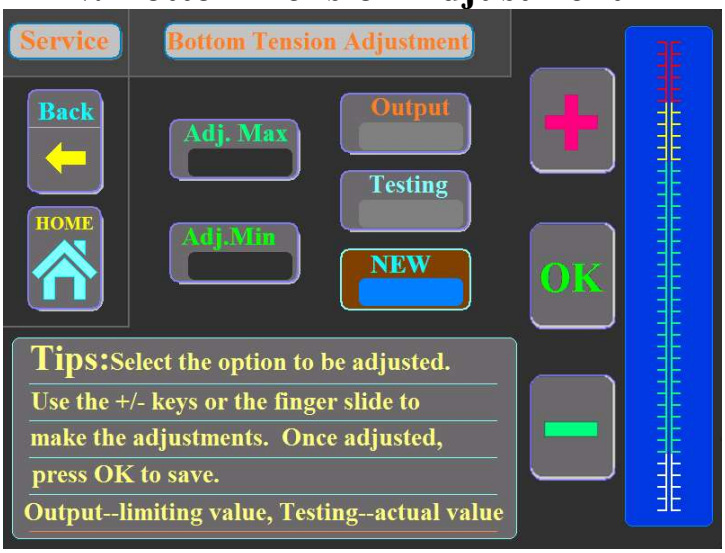
This screen allows the operator to change the factory pressure settings should the unit every become out of calibration.

11Div. Top tension Adjustment



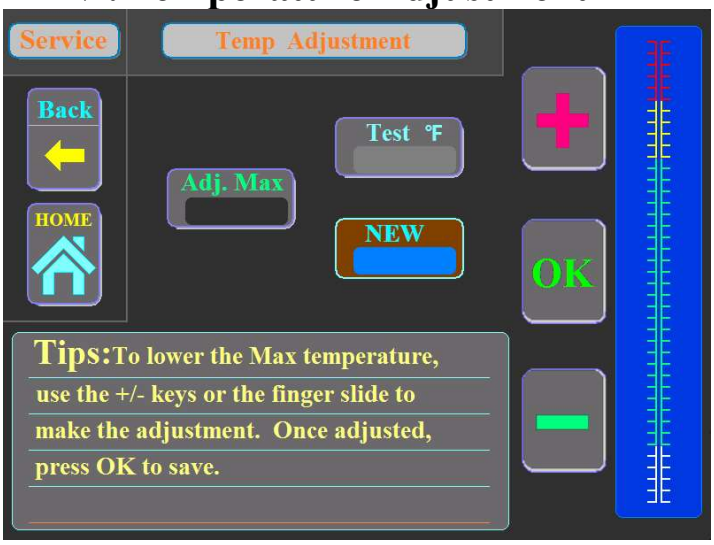
This screen allows the operator to set the top tension ranges for the products they run daily.

11Dv. Bottom Tension Adjustment



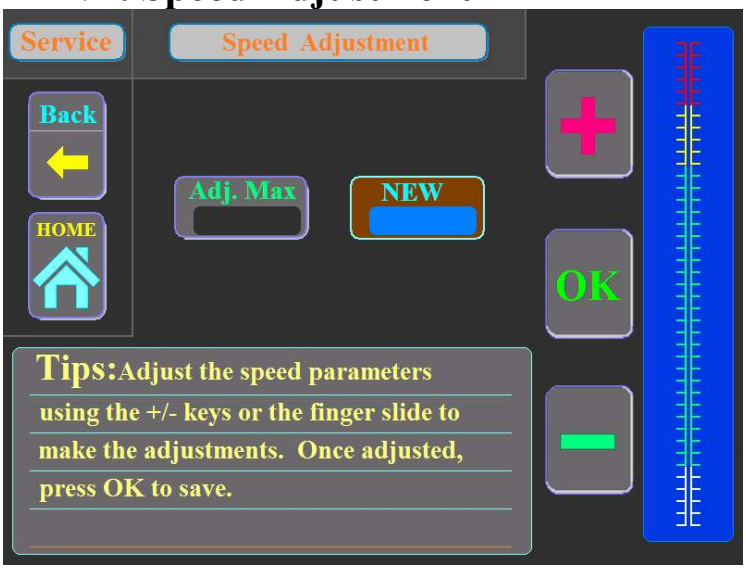
This screen allows the operator to set the bottom tension ranges for the products they run daily.

11Dvi. Temperature Adjustment



This screen allows the operator to calibrate the heat settings should the sensor ever become out of calibration.

11Dvii. Speed Adjustment



This screen allows the operator to set the maximum speed the laminator will be allowed to run, up to 30 fpm.

11Dviii. Factory Settings

This screen as well as the next two allow the operator to reset all the settings back to the factory settings. If requested, the operator is prompted to confirm and verify the request. NOTE: Any and all previous settings will be lost.

11Dix. Confirming the Request

11Dx. Reset Request Confirmed

NOTE: Once the reset is confirmed, you must turn the unit off then back on for it to be effective.

12. Operation

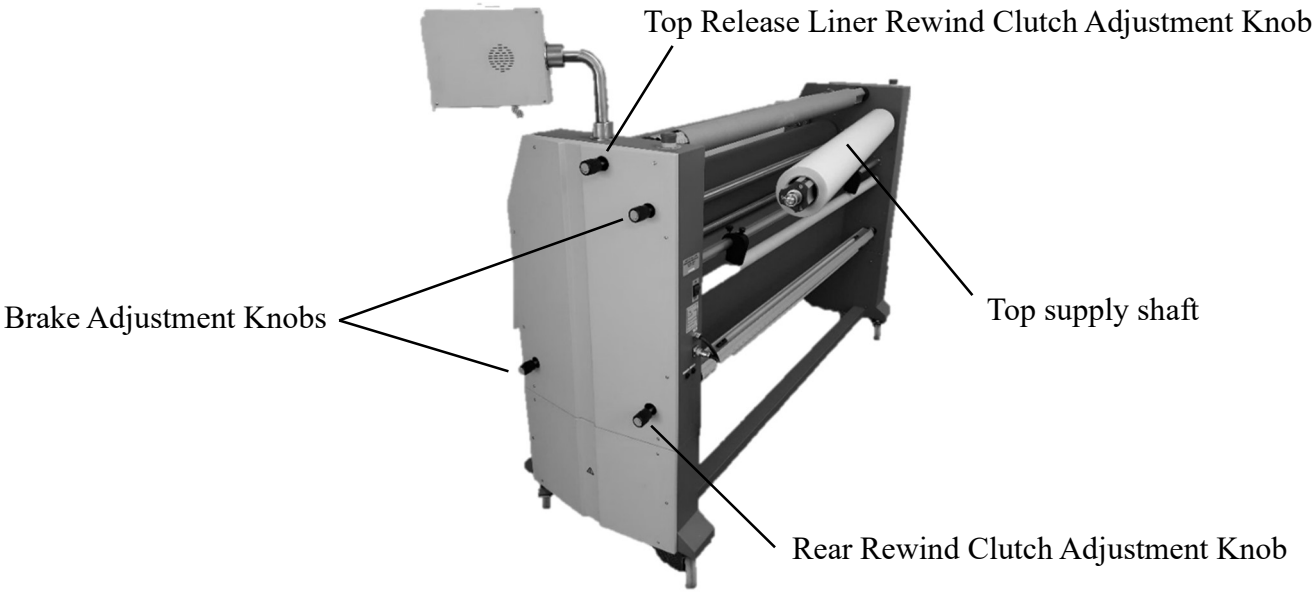
1. Plug power cord into a proper receptacle.

-  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.

2. Use the LCD Touch Panel for all functions of the laminator.

13. Loading Film

1. Rotate the locking outer sleeve in the direction of the arrow to the open position, aligned with the inner sleeve, Fig. 12a.
2. Swing the supply shaft out to load position and slide the film roll onto the shaft.
   Note: 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 (see treading diagram in section #12).
3. Swing shaft back into position and rotate locking outer sleeve to the closed position, Fig 12a
4. Align film roll with a number on the supply shaft, positioning the roll in the middle of the supply shaft.



5. Adjust the brake tension by turning the adjusting knob on top of the supply roll assembly, Fig 12b (see Brake tension adjustment section #15)

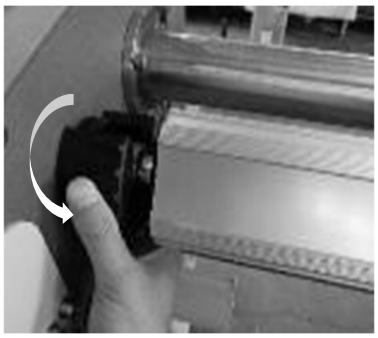


Fig. 12a

Fig. 12b

6. Repeat process with bottom supply shaft using Mounting adhesive or printed media roll.
7. Position bottom supply roll using the same number position used on the top supply roll to align top and bottom rolls.
    i. *When using printed media, position one Media Alignment Disk on each side of the roll to keep edges lined up, Fig.12c.*
    ii. *Media rolls can be very slippery and 'telescope' when loading on the supply shaft and running (see picture below)*

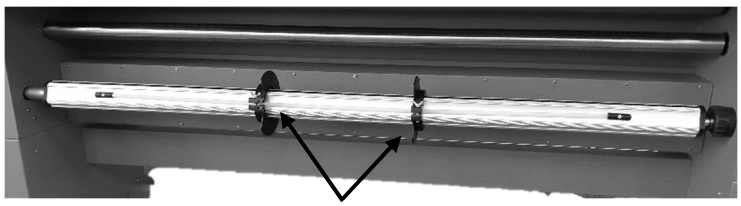


Fig. 12c Media alignment disks

Bottom supply shaft with Media Alignment Disks

NOTE: Printed media can be very slippery and will 'telescope' when loading on the supply shaft. Use the alignment disks to keep the edges properly lined up.

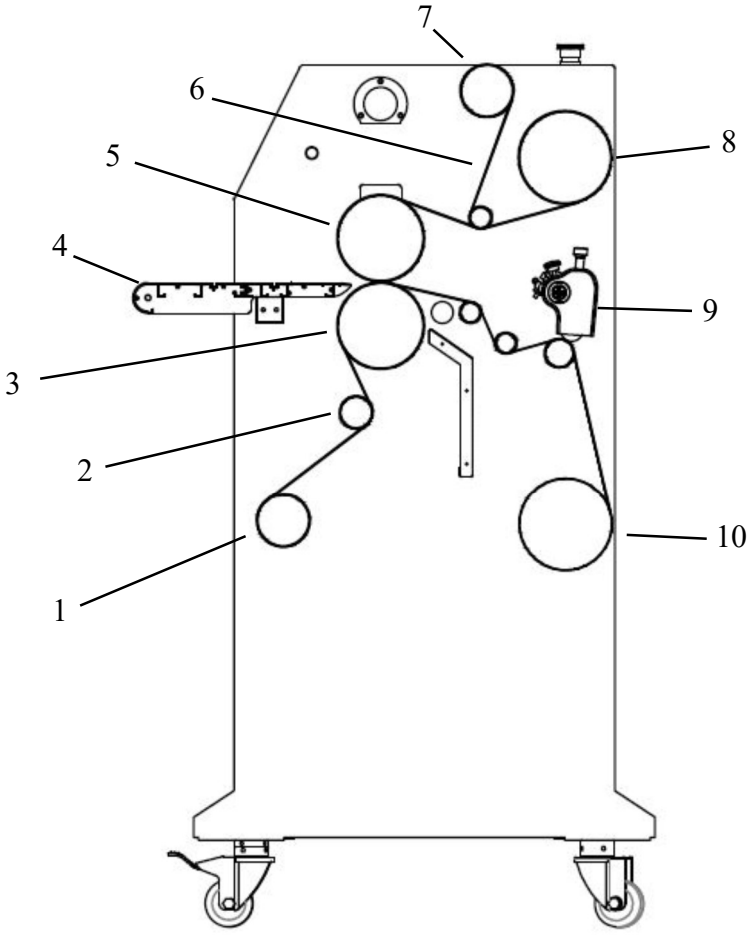
14. Threading Film

1. Pull the top film web under the rewind shaft, making sure there is proper resistance. The resistance can be adjusted with the adjusting knob on top of the supply shaft assembly.
2. Turn the pressure-adjusting hand-wheel to lift the top rubber roller up.
3. Pass the film through the two rollers and lay on the rear working panel.
4. Pull the film flat then turn the pressure-adjusting hand-wheel to lower the upper rubber roller.
5. Separate the paper liner from the film web to allow enough liner to be taped to the paper rewind tube on the top rewind shaft.

NOTE: Slide film cutter between the paper liner and film to cut liner only. Be careful not to cut the top heat roller

6. Use foot pedal to advance the film web until the adhesive is exposed on the front of the heat roller.
7. Raise the feed tray assembly.
8. Bring the mounting adhesive up to the nip area of the rollers or the media up and behind the idler bar then tack to the exposed film web adhesive.
9. Lower the feed tray assembly.
10. Use foot pedal to advance both webs until they clear the nip rollers.

Note: The film should be wrinkleless and tight to the surface of the heat roller. If wrinkles appear in the film web, adjust the brake tension knobs on both supply rolls

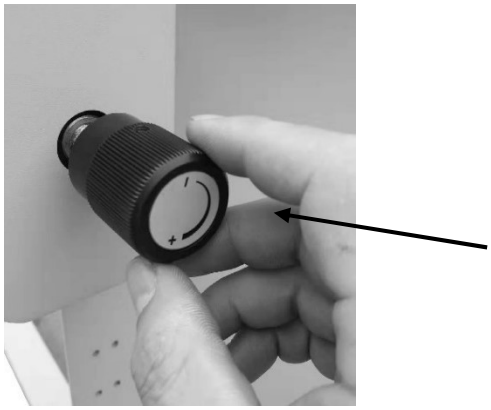


1. Bottom supply roll
2. Bottom idler bar
3. Bottom nip roller
4. Front in-feed table
5. Top heat roller
6. Release liner
7. Release liner rewind tube
8. PSA film supply roll
9. Rotary side slitter
10. Lower rear rewind

15. Brake Tension Adjustment

1. Adjust brake tension by turning the Tension Adjustment Knobs on top of each supply shaft assembly, Fig 15a.
2. Apply only enough brake tension to remove wrinkles from the vinyl web before it enters the nip rollers.
3. Brake tension should not prevent roll from turning.

Note: Excessive brake tension will cause waves, wrinkles or curl in vinyl



Rotate to the + to increase and to the – to decrease.

Fig. 15a

16. Top Rewind Shaft Clutch Adjustment

1. Adjust top liner rewind shaft clutch by turning the Clutch Adjustment Knob on the right-side cabinet, Fig 16a.
2. Apply only enough clutch tension to keep the liner rewind shaft turning with the supply roll.

Note: Excessive clutch tension will cause rewind shaft to turn harder than the supply roll pulling the film onto the rewind shaft

Top Release Liner Rewind Clutch Adjustment Knob

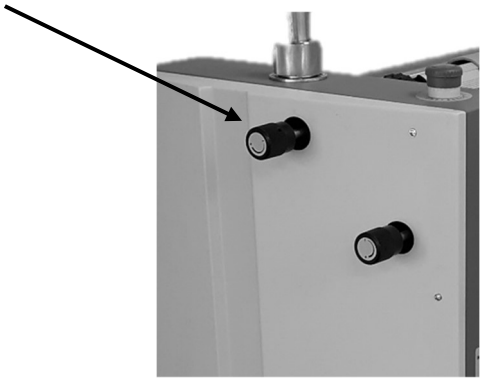


Fig. 16a

17. Inserting Rewind Shafts

1. Slide a cardboard core onto the rewind shaft, Fig. 17a.
2. Set one end of the rewind shaft into the open side support bracket.
3. Align the arrow and shaft tongue with the slot in the opposite side support bracket Fig. 17b.
4. Rotate both locking outer sleeves to the closed position on the support brackets, Fig.17c.

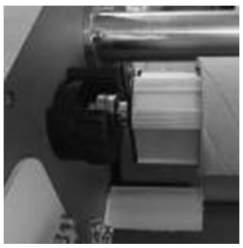


Fig.17a

Fig.17b

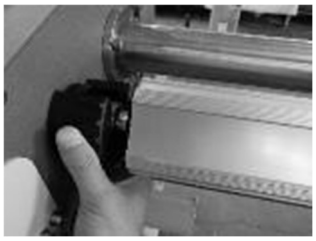


Fig.17c

18. Feed Tray Safety Latch

1. A Feed Tray Safety latch rotates freely with the feed tray, Fig 18a.
2. Ensure latch is in the locked position whenever the feed tray is rotated to the up position, Fig.18b.

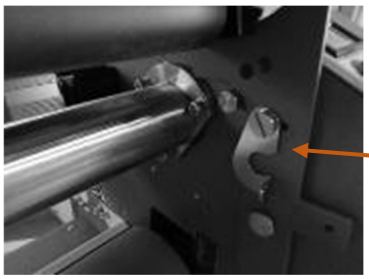


Fig.18a

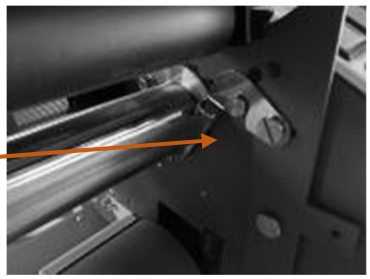


Fig.18b

19. Removing the Press Roller Assembly

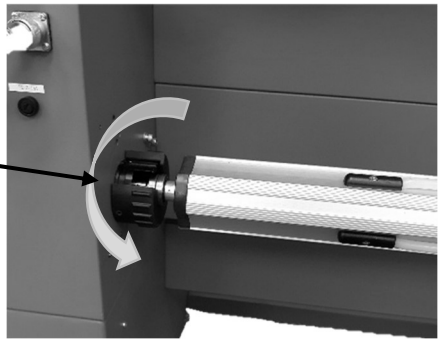
1. Unscrew the knurled thumbscrews securing the left/right sides of the Press Roller Assembly, Fig.19a.
2. Lift off and remove Press Roller assembly, Fig 19b.

Fig.19a

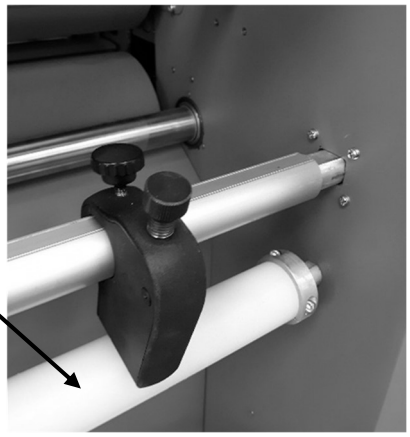
Fig.19b

20. Rewind Assembly

The unit comes with two rewinds: one upper and one lower rear rewind.
1. The rewind shaft described in Sect 17 above, is a drop-in shaft and is used to take up the release liner of the overlaminate.
2. The lower rear rewind, seen below, is a swingout shaft and is used to rewind the web for roll-to-roll applications. This rewind also contains two side slitters for trimming the sides of the web. Extra side slitters can be added for multiple side slitting.



Left Slitter Head



Right Slitter Head

21. Troubleshooting

Problems	Causes	Solutions
Machine does not turn on	1. No power supply 2. Main power switch is OFF 3. Circuit breaker has tripped 4. Blown main power fuse 5. Motor has failed	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 "Run" button is pressed	1. Emergency switch is engaged 2. Excess roller nip pressure	1. Disengage emergency switch 2. Reduce the nip pressure of the rubber rollers
Heat roller not heating	1. Heater not set	1. Switch heater on, adjust temperature setting knob
Poor film adhesion or cloudy prints	1. Nip roller pressure to low. 2. Dust on the surface of the print	1. Increase nip roller pressure 2. Clean print surface before lamination
Poor film adhesion on one side	1. Nip roller pressure on the two sides is not even	1. See "Roller gap adjustment"
Lamination output is curled	1. Sheet is curled upward 2. Sheet is curled downward	1. Reduce top roll tension 2. Reduce bottom roll tension
Film supply roll gets loose during operation	1. Not enough brake tension on supply roll	1. Increase brake tension on supply roll
Backing paper gets loose when being rolled up	1. Not enough brake tension on the backing paper rewind roller	1. Increase brake tension on backing paper rewind roller
Wrinkles in film both on top and bottom	1. Too much nip roller pressure	1. Reduce nip pressure with hand wheel

22. Specifications

Description	663TH
Laminating Width	63”
Roller Diameter	5”
Roller Gap	1.1”
Max Temperature	140º F
Film core size	3”
Laminating Speed	0-20 Ft/min
Pressure Adjustment	Servo Motor
Heat Method	Metal alloy tube
Power Supply	110 VAC 12 A
Power Consumption	1320 W
Net weight	510 lbs.
Output height	38”
Dimensions (WxLxH)	92.5 x 31 x 63”
Shipping weight Machine	750 lbs.
Shipping dimensions machine	89 x 35 x 58.5”

23. Warranty

EQUIPMENT WARRANTY

January 2014

Graphic Finishing Partners, LLC warrants each new Gfp Laminator is free from defects in material and workmanship for a period of one (1) year from the date of installation. A machine which proves defective in materials or workmanship within the warranty period will be repaired or, at Gfp's option, replaced without charge. This warranty is extended only to the original purchaser.

This warranty is the only warranty made by Gfp and cannot be modified or amended. Gfp's sole and exclusive liability and the customer's sole and exclusive remedy under this warranty shall be, at Gfp's option, to repair or replace any such defective part or product. These remedies are only available if Gfp's examination of the product discloses to Gfp's satisfaction that such defects actually exist and were not caused by misuse, neglect, attempt to repair, unauthorized alteration or modification, incorrect line voltage, fire, accident, flood or other hazard.

The warranty made herein is in lieu of all other warranties, expressed or implied, including any warranty or merchantability or fitness for a particular purpose. Gfp will not be liable for personal damage or personal injury (unless primarily caused by its negligence), loss of profit, or other incidental or consequential damages arising out of the use or inability to use this equipment.

This warranty specifically does not cover damage to laminating rollers caused by knives, razor blades, or any sharp objects or abrasives, or failure caused by adhesives, or damage caused by lifting, tilting and/or any attempt to position the machine other than rolling on the installed castors or feet on even surfaces, or improper use of the machine. Warranty repair or replacement by Gfp or its authorized reseller(s) does not extend the warranty beyond the initial period from the date of installation. Unauthorized customer alterations will void this warranty.

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