



TCC-1655HC

65" Hot Roll Laminator



OPERATING MANUAL

IMPORTANT !!!

It will be beneficial to first get yourself acquainted with the features of your TCC-1655HC before attempting to use. Keep in mind all operational instructions, tips, and safety reminders every time you use your machine to best achieve desirable results.

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INTRODUCTION

Thank you for choosing Tamerica's TCC-1655HC Laminating Machine, designed to provide years of useful service for your lamination needs. Upon receipt, please inspect the box/crate, the machine, and all other contents for any signs of shipping damage which should immediately be brought to the attention of the delivery carrier. For complete operating and maintenance information, please read this manual thoroughly.

SAFETY PRECAUTIONS



Failure to comply with any of the following safety procedures could result in serious injury. Please read the instructions carefully and keep this manual for future reference.

1. A licensed electrician should install the proper outlet for the wiring of the machine.
2. Ensure machine is plugged into a properly grounded outlet with correct voltage.
3. Do not allow articles of clothing (ex. ties, scarves, etc.) near the machine openings as they could get caught by the rollers and pulled inside causing serious personal injury.
4. Keep machine away from anything flammable and install in a dry location.
5. To prevent the possibility of electric shock, do not immerse machine in water or allow liquid to spill inside.
6. Avoid excessive sunlight, humidity and extreme temperatures.
7. Ensure that the machine is turned off, has cooled down, and is unplugged from the outlet prior to moving or performing repairs.
8. Keep children away.
9. Do not open the case without being authorized by a technician.
10. Do not attempt to laminate items that exceed total recommended material thickness for the unit.

INSTALLATION



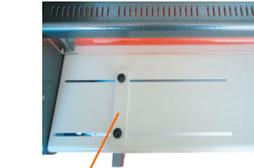
WARNING: The laminator should be installed by a trained service technician

The laminator is shipped with the stand disassembled and the feed table unattached to avoid any damage while in transit. Upon arrival, thoroughly inspect the machine for any signs of damage or malfunction which should immediately be reported to the carrier and dealer and/or manufacturer for proper filing of any claim or warranty replacement/repair.

The laminator should be located in an area with adequate work space for feeding graphics and laminating materials. Avoid placing in dusty areas or near sources of extreme heat or cold. Once the laminator is properly situated, lock the casters into position and only unlock when moving to a different location.

SPECIFICATIONS

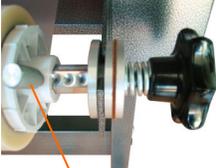
MODEL	TCC-1655HC
Max. Laminating width	65" / 1650mm
Max. Laminating speed	3mm / mins
Max. Mounting tThickness	1/2" / 12 mm
Heating system	Heating Roller
Number of Rollers	4
Temperature control	Yes
Speed control	Yes
Display	LCD
Warm-up Time	30 mins
Power supply	AC 220 ~ 240 V / 50,60Hz
Power consumption	3100 watts
Film Core Size	1", 2.25", 3" (All in One)
Dimension (machine only)	76" x 22" x 14" / 1940 x 560 x 350mm
(on stand)	76" x 22" x 47" / 1940 x 560 x 1200mm
Weight	507lbs / 230kgs
Operating temperature	0-150°C / 302°F



Laminating guide



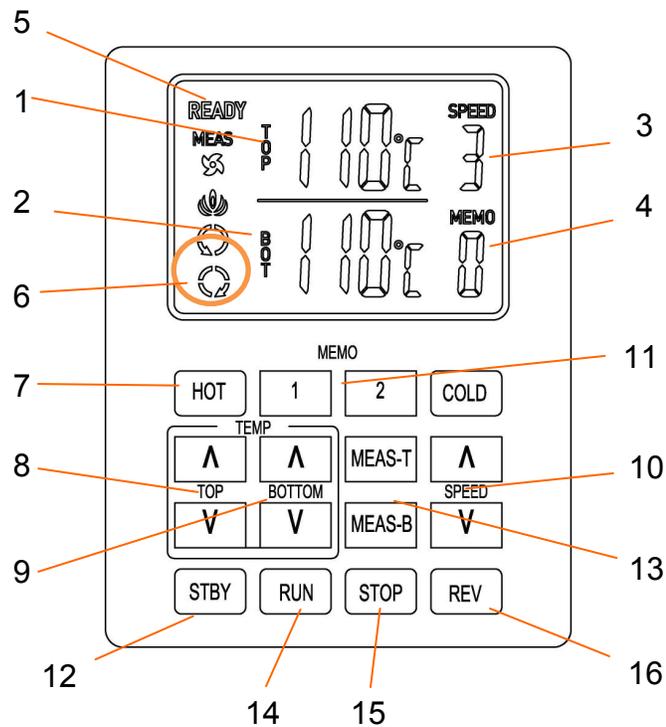
Horizontal Slitter Vertical / In-line Slitter



Bolt for 1-3" Core Adapter

CONTROL PANEL

When the machine is powered on, the LCD window will display the last working pre-set memory setting.



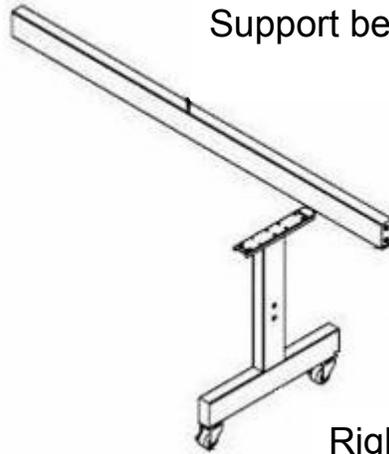
1. TEMP : Top roller temperature
2. TEMP : Bottom roller temperature
3. SPEED ▲▼ : Variable speed from 1~9.
4. MEMORY ▲▼ : Variable memory from 1~2
5. READY : When preset temperature is reached
6. Rollers are running
7. HOT : Machine will initially go to 110°C, speed 3
8. TEMP-T ▲▼: Adjust top roller temperature
9. TEMP-B ▲▼ : Adjust bottom roller temperature
10. SPEED ▲▼ : Variable speed from 1~9.
11. M1~M2, COLD : Programming Memory Values:
 - 1) Press and hold the button for 1 second;
 - 2) Select the temperature and speed;
 - 3) Press the button again to save the entry
12. STBY : Temperature is set to 85°C
13. MEAS-T/B : Measure the actual temperature of top and bottom rollers.
14. RUN : Run rollers
15. STOP : Stop rollers
16. REVERSE : To help clear rollers
12. COLD : Cold lamination indicator

ASSEMBLY & INSTALLATION

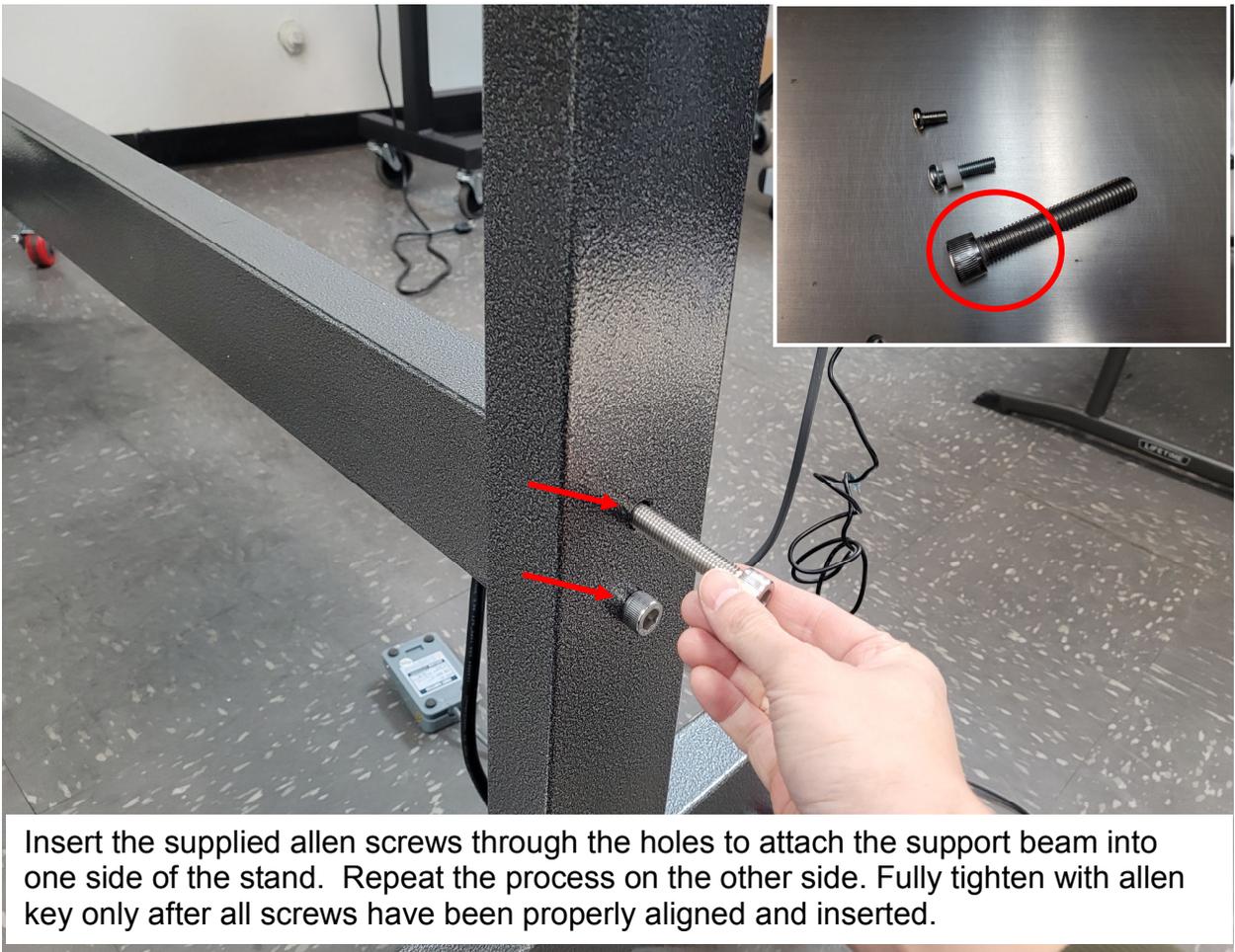
Left leg assembly



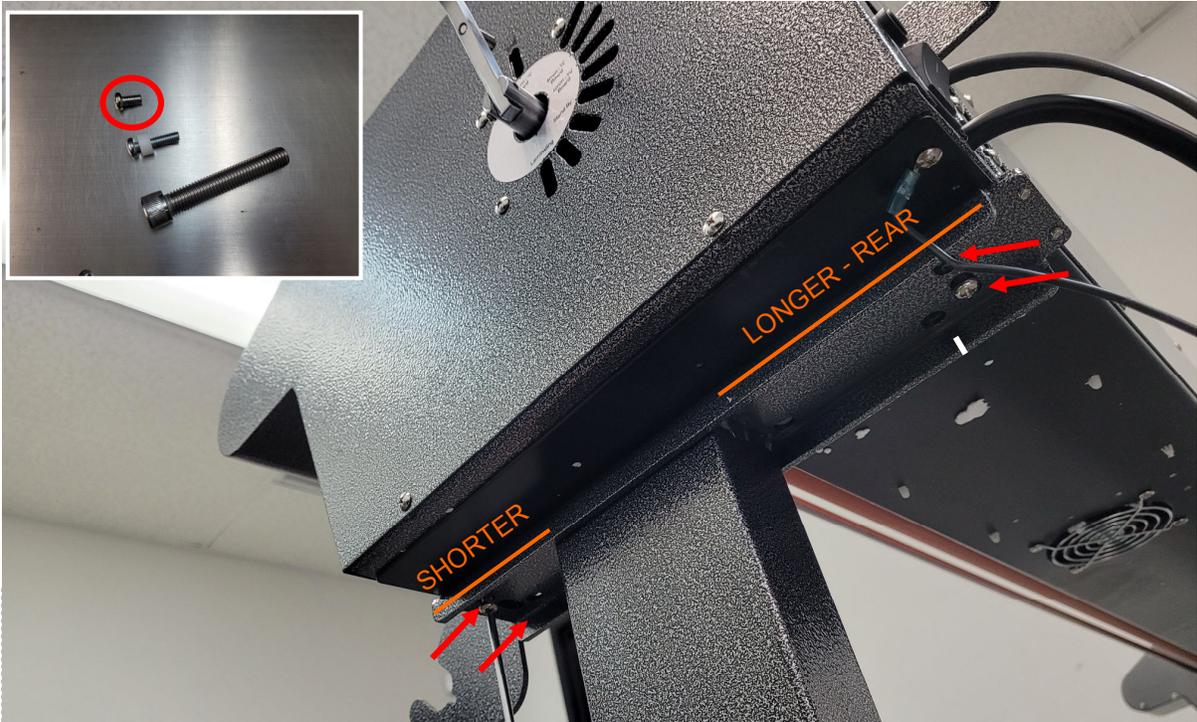
Support beam



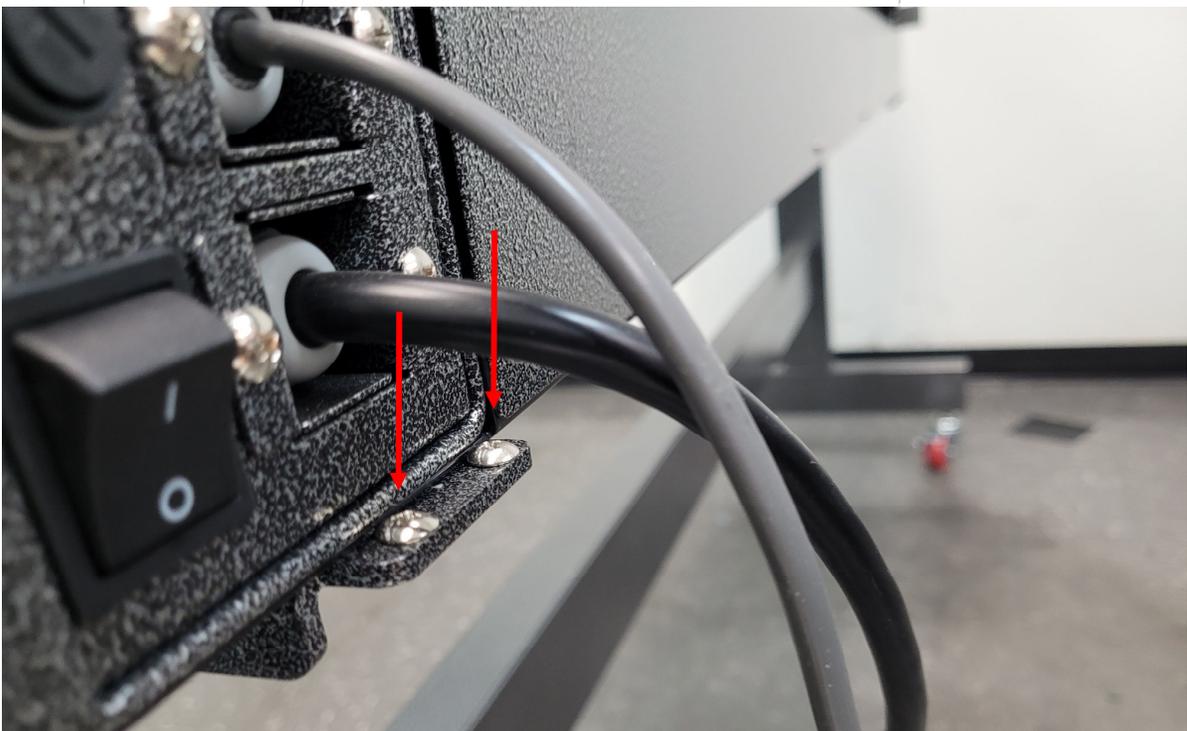
Right leg assembly



Insert the supplied allen screws through the holes to attach the support beam into one side of the stand. Repeat the process on the other side. Fully tighten with allen key only after all screws have been properly aligned and inserted.



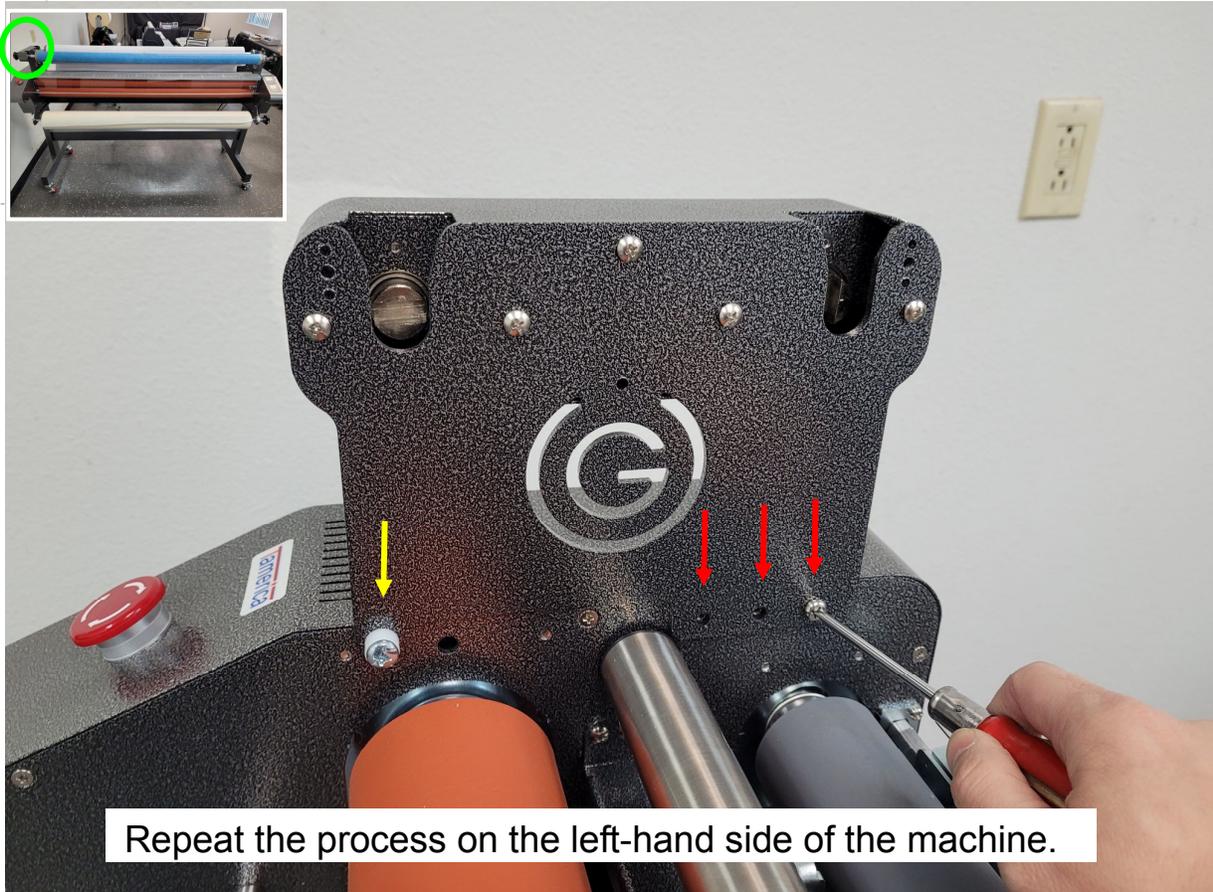
Before securing the laminator on the stand, take note the shorter span should be facing front while the longer span should be facing the rear. Insert the supplied phillips screw through the holes & tighten to secure the laminator onto the stand. There are 4 on each side.



Here's another view from above. Notice how the base is slightly longer in the rear with the 2 screws already attached from factory.

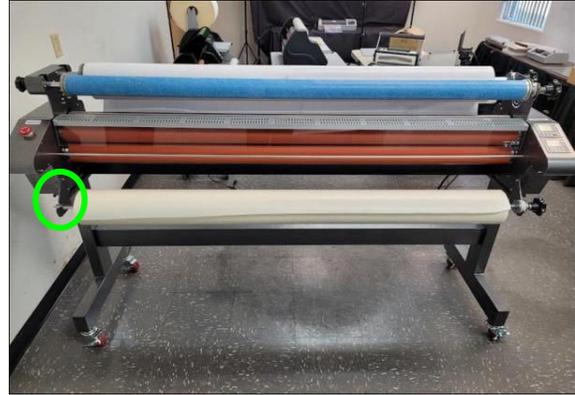
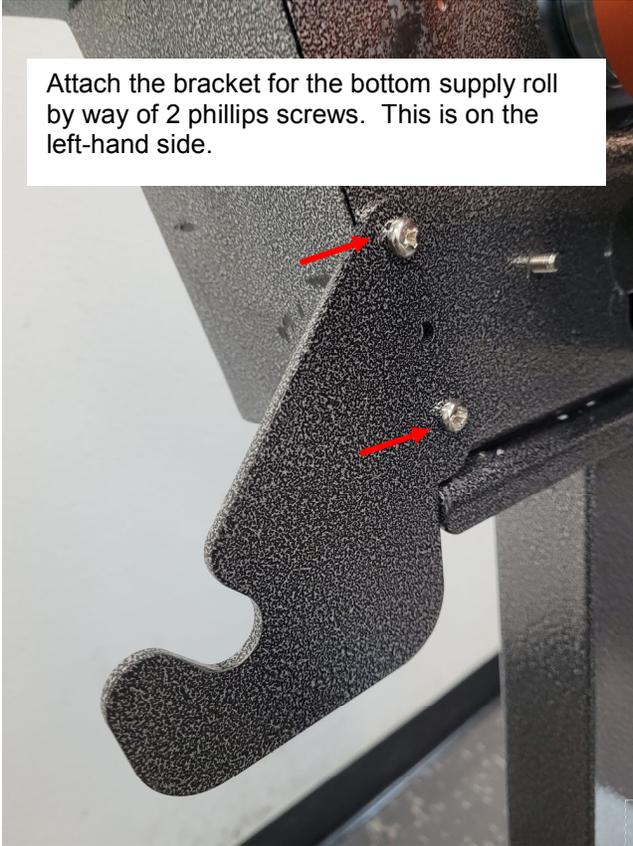


Attach the bracket on the right-hand side of the machine using screws specific to their placement.



Repeat the process on the left-hand side of the machine.

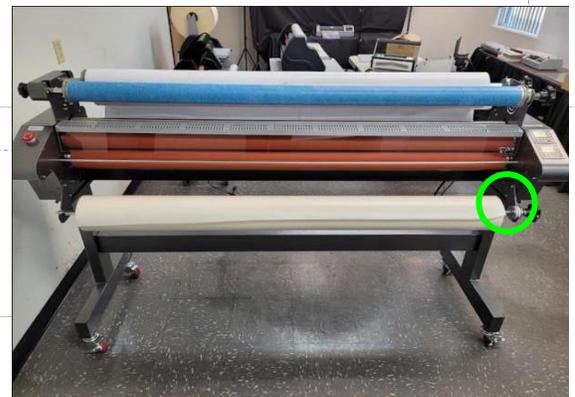
Attach the bracket for the bottom supply roll by way of 2 phillips screws. This is on the left-hand side.



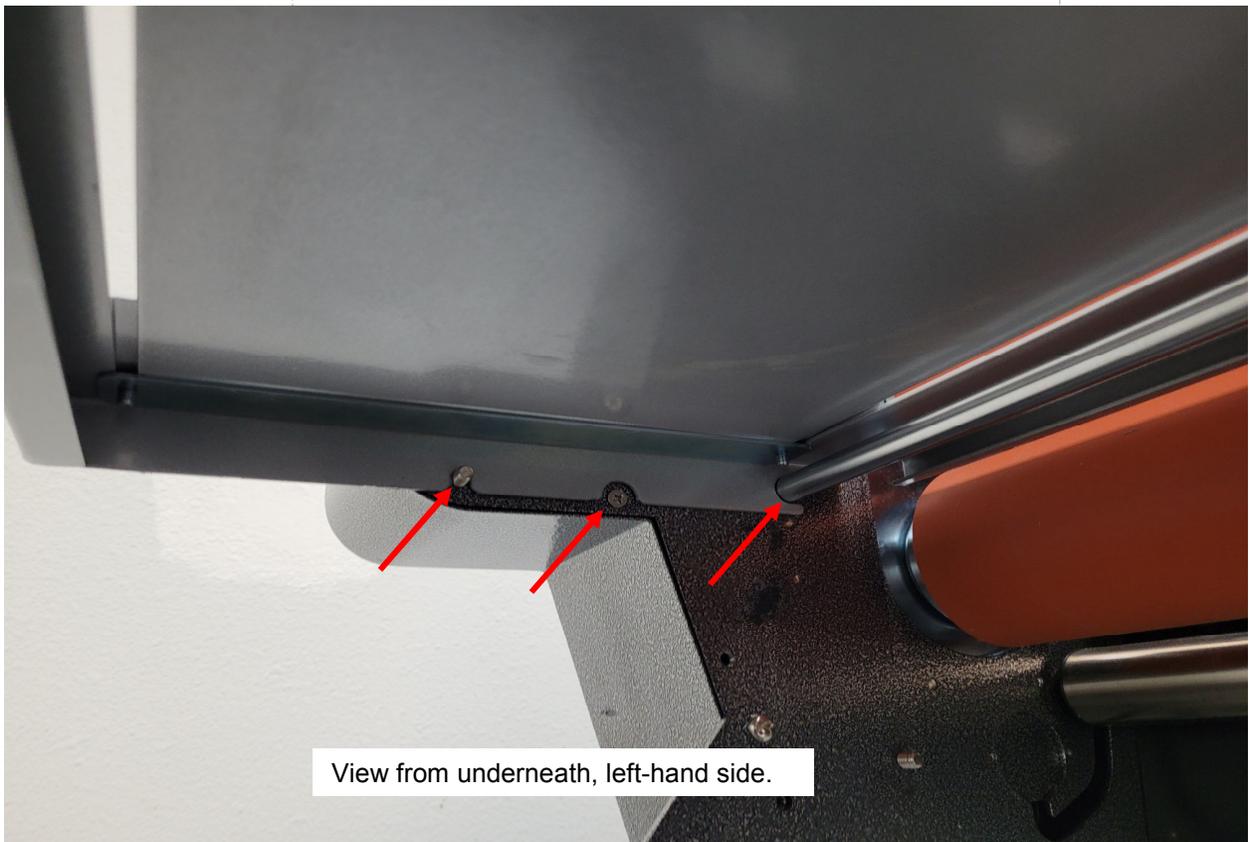
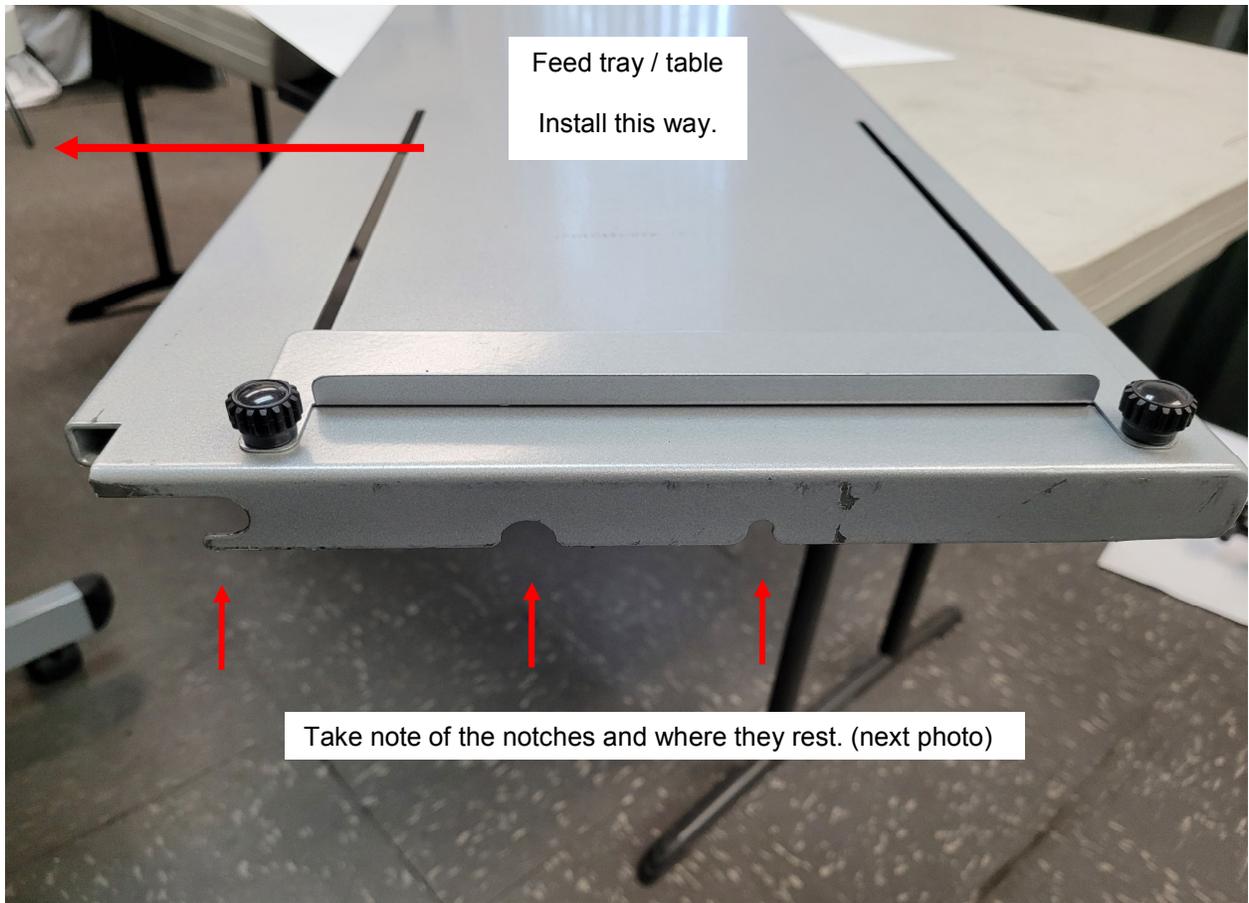
Here's another view.

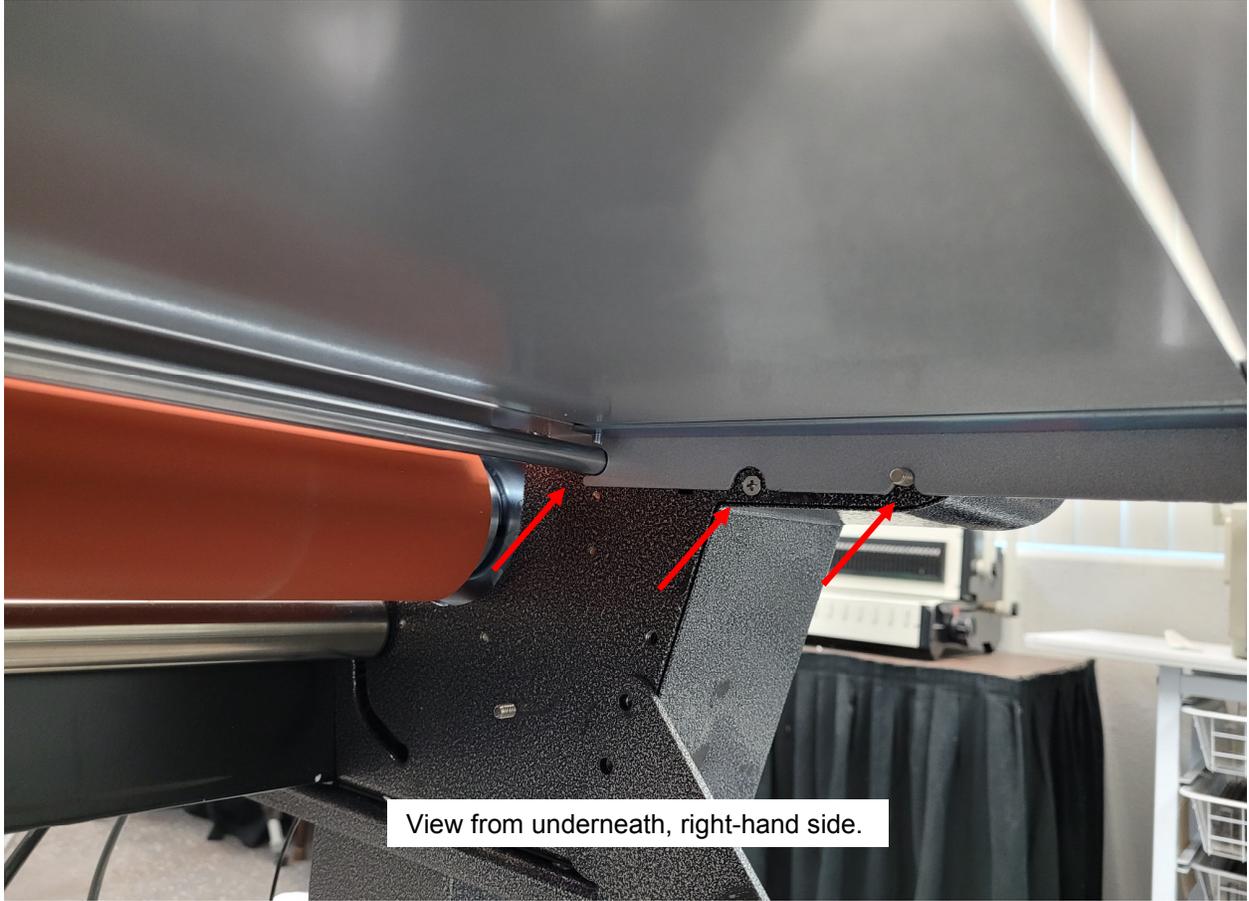


Attach the bracket for the bottom supply roll on the bottom right-hand side. Notice the notch which is not present on for the bracket on the other side.



Here's another view.





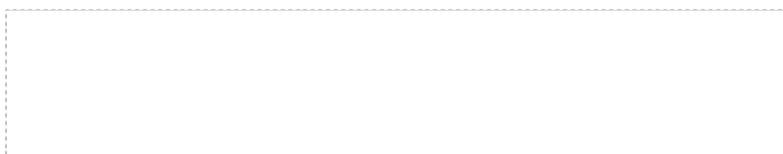
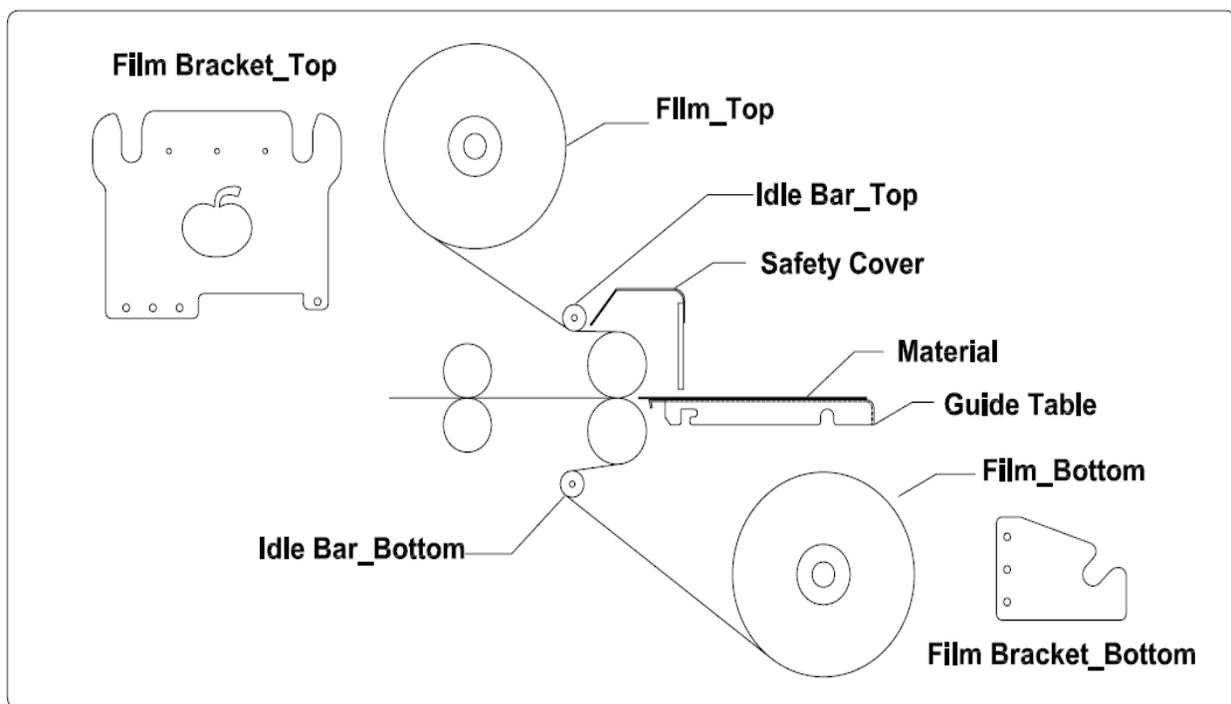
View from underneath, right-hand side.



MACHINE OPERATION

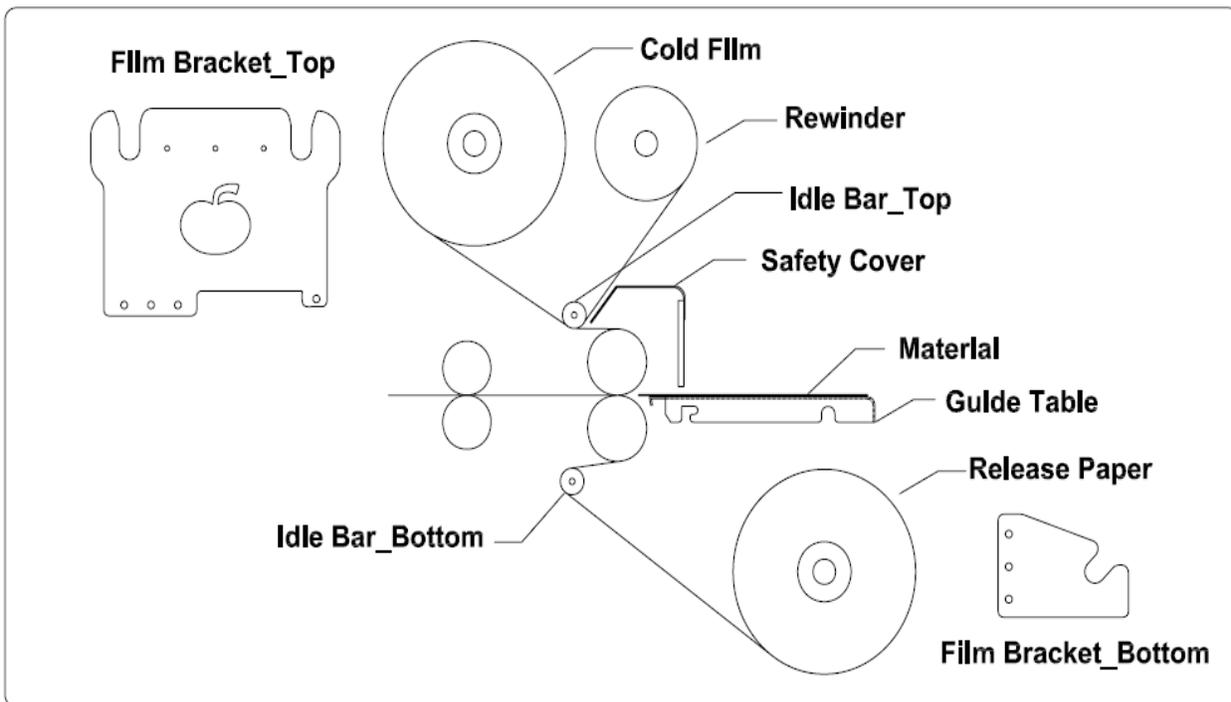
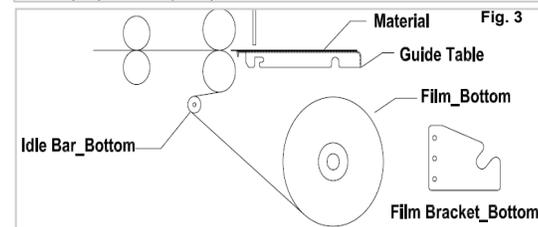
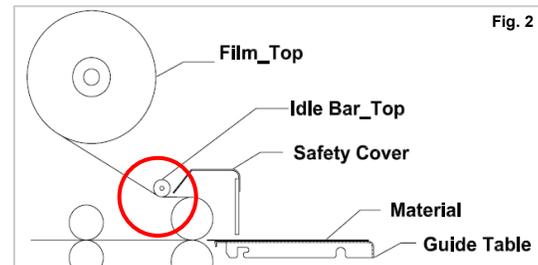
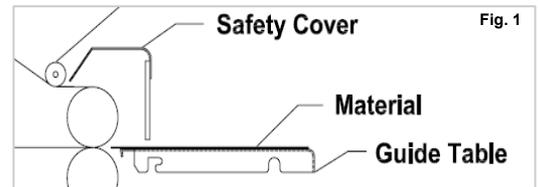
Hot Lamination

1. Load the film with the adhesive side facing the roll (adhesive in) onto the supplied mandrels.
2. Attach the mandrels to the top and bottom brackets then feed the film through the rollers following the guide below.



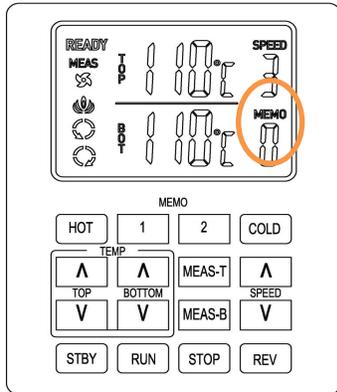
Cold Lamination

1. Turn the power switch on. It will be located at the back of the machine.
2. Remove the safety shield.
3. Remove the guide table. (see fig. 1)
4. Pull down the top film through the **Idle Bar_Top** and attach it to the bottom roller. (see fig. 2)
5. Pull up the bottom film through the **Idle Bar_Bottom** and attach it to the top film of top roller. (see fig. 3)
6. Replace the safety shield and guide plate.
7. Set the temperature and speed.
8. Align the material on the guide table and press the foot pedal.
9. After the laminated material has passed through the rollers, press the foot pedal again to stop.
10. Adjust the roller tension by moving the handle located on the upper side.
11. Carefully pull out the laminating material in the back side of the machine.



TEMPERATURE AND SPEED MEMORY SETTINGS

The laminator has speed and temperature adjustability and can be programmed to store 2 values with speed and temperature settings of your choice using the M1 & M2 buttons. It can also be used for cold lamination by pressing the COLD button.



How to change memory value:

1. Press and hold M1-M2 for 1 second then set-up value.
2. Press up and down for temperature and speed.
3. Press M1-M2 button to save the entry.

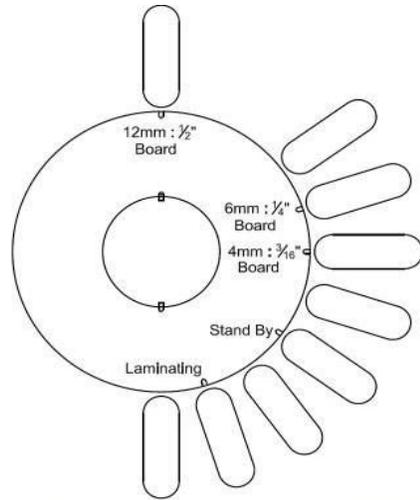
⚠ ATTENTION

The temperature will automatically lower to 85°C if the machine is left unattended for 1 hour. You can also do this manually by pressing the StBy button. The machine will completely turn off on the second hour of being left unattended.

ROLLER TENSION SETTINGS

1. Adjust the roller tension to “Laminating” (2nd to the last slot) for regular laminating jobs.
2. When not in use, make sure tension is set at “Standby” or zero tension.

⚠ **IMPORTANT:** The machine has large rollers to help ensure top-quality laminating results therefore it may require some force to move the lever for lamination. To release, push down slightly before pulling it out so that the handle will not “pop” out of the slot.



MAINTENANCE

1. Adjust to the adequate tension setting by way of the tension knob. If the tension is too tight, the film can get too stretched.
2. Disengage the rollers with Roller Gap Lever and adjust to Standby when not in use. This will help prevent the machine from overheating.
3. Make sure the rollers are always clean. Operating with one roll of laminating film or when the upper and lower film are not properly aligned may leave melted resin on the rollers which may result in poor lamination results. Watch out for dust and any kind of unwanted particles that may affect your lamination..
4. Be sure to turn off the laminator after use.

TROUBLESHOOTING

Symptom	Cause	Possible solution
Machine will not turn on	<ol style="list-style-type: none"> a. Power cord is not plugged in. b. Pwr switch is in the "off" position. c. Tripped circuit breaker. d. Blown main power fuse. 	<ol style="list-style-type: none"> a. Plug the power cord into appropriate outlet b. Put the power switch to the "on" position. c. Reset the circuit breaker. d. Replace the fuse.
There is power, but the rollers are not running after the hot button is pressed:	a. Emergency switch is engaged.	a. Disengage the emergency switch.
	b. Safety cover is not closed.	b. Close the safety cover to active the safety switch.
	c. Guide table is not installed correctly.	c. Properly install the paper guide so that the micro switch is activated.
	d. Blown motor fuse.	d. Replace the motor fuse.
The unit is not heating up	a. The machine is in "COLD" mode.	a. Switch to "HOT" mode.
	b. Set temperature is lower than the room temperature.	b. Raise the temperature according to the recommended film temperature.
Curled lamination	a. Upward curl	a. Loosen the top roll film tension.
	b. Downward curl	b. Loosen the bottom roll film tension.
Hazy lamination	a. The main roller temperatures are too low and lamination speed is too fast.	a. Raise the roller temperatures and lower the lamination speed.

WARRANTY INFORMATION

This machine is guaranteed against defects in materials and workmanship by the Manufacturer for a period of one (1) year from the date of original purchase from an authorized distributor of Tamerica Products, Inc. If you perceive or experience any issue with the machine, kindly report it to the distributor within 10 business days of said purchase to avail of free pickup and re-delivery from Tamerica's Service Center. After the first 10 days, you will either receive service instructions and parts via mail free of charge for the duration of the warranty.

Note that when returning the machine for warranty claims, the machine should be returned in its complete original packaging to avoid incidental or consequential damages that may void the claim. A copy of the invoice or other proof of purchase also needs to be sent with the machine.

Upon evaluation of the machine and the determination of the actual defect, the machine will be restored to its regular working condition by the Service Center and shipped back to you free of charge. If you change your mind and simply want to return the machine, a 20% restocking fee is charged even within the 10-day grace period. Further, you will have to cover freight to return the machine and it has to be in brand-new resalable condition, otherwise, you might incur more charges.

This warranty covers all defects incurred in the normal use of the equipment except in the following cases:

1. Loss or damage to the equipment due to improper operation, abuse, mishandling or failure to follow the operating instructions.
2. Removal or alteration of the serial number.

The machine being serviced or modified by anyone other than a certified technician authorized by TAMERICA.

This warranty expresses the entire obligation of the Manufacturer. Unless prohibited by law, neither this warranty nor any other warranty expressed or implied, including implied warranties of merchantability, shall extend this warranty period. Again, no responsibility is assured for incidental or consequential damages.

This warranty is valid only in the 48 Contiguous States, Hawaii and Alaska excluded.