



# Roll Laminator Operating Manual

## TCC1400F+

# OPERATING INSTRUCTIONS

**TCC1400F+**

## **1** IMPORTANT SAFEGUARDS

When using electrical machines, basic precautions should always be followed to reduce the risk of electric shock and injury to people, including the following:

1. Read all instructions.
2. Always unplug the machine when not in use or before cleaning.
3. Do not use outdoors.
4. Extreme caution should be taken when the machine is used by or near children or disabled persons.
5. To protect against risk of electrical hazards, do not immerse cord, plugs, or the whole machine in water or other liquids.
6. Do not operate the machine with a damaged cord or plug, or after the machine malfunctions, has been dropped or is damaged in any manner. Return the machine to the nearest authorized service facility for examination, repair, or adjustment.
7. Do not use accessory attachments not recommended or sold by the machine's manufacturer.
8. Do not let the cord touch hot surfaces or hang over the edge of the work table.
9. Do not use the machine for other than its intended use. This machine is intended for Office or Household use only.
10. The socket outlet shall be near the machine and shall be easily accessible.
11. Keep fingers and body parts away from all moving parts.

## **2** LOCATION

Please remove the laminator carefully from its packaging and place it on a flat work surface. Place the machine in an area where it will normally be used, ensuring adequate room for the finished laminate to flow or slide out at the back.

### 3 MACHINE OPERATION

#### A. LAMINATING FUNCTION

##### (1) LAMINATION

##### LOADING THE FILM

Unpack the upper and lower rods. Remove the feed tray. Load the film onto the rods by turning the top rod clockwise and the bottom rod counter-clockwise as you push the rods through. Make sure to leave equal lengths of rod out of each end using the guide marks to correctly position the roll of film. Use Load the rods on the laminator.

**Note: you cannot interchange the upper and lower rods.**

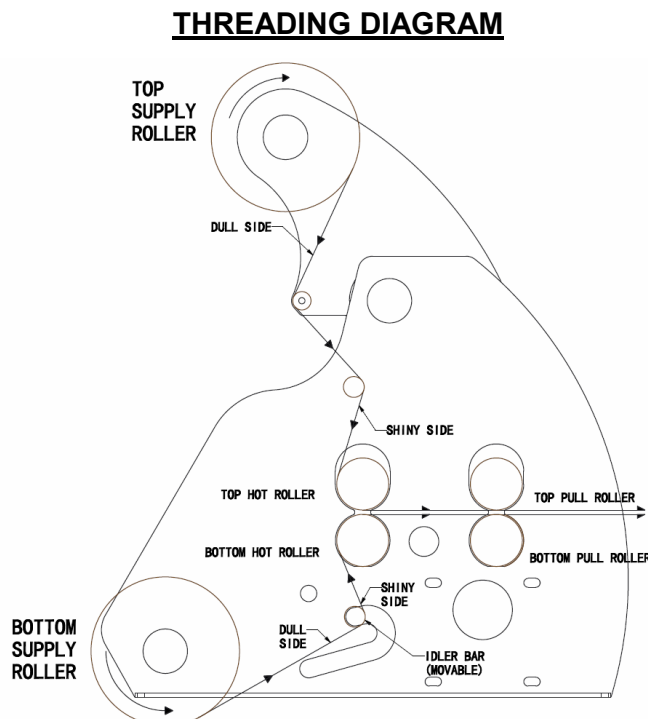
##### THREADING THE FILM

Do not mistake the stabilizer bar for the idler roller.

1. To thread the film through the “hot rollers” & “pull rollers”, please pull the handle to the “UP” position to separate upper & lower hot rollers. User can slide down the lower idler bar along the slot for easier installation.
2. Thread the film by the rollers and make sure the film is perfectly aligned at the top and bottom.

**Note: Overlap will cause the top film to deposit adhesive on the hot rollers and pull rollers, so this procedure is critical. See chart below for instructions on how to position shiny and dull side of film.**

3. Make sure the film is correctly threaded based on the threading guide. A threading diagram is also located on the right side panel of the machine.



## ADJUSTING THE FILM TENSION

The top and bottom supply rolls should have about the same tension. By turning the top roll with one hand and the bottom roll with the other, it can be determined if one of the rolls is tighter than the other. Also, if the tension is not equal between the top and bottom rolls, the laminated product will curl. If it curls up when it comes out of the machine, the top roll is likely tighter than the bottom. If it curls down, the bottom roll is likely tighter. To increase tension, turn the adjusting knob clockwise. To decrease tension, turn the knob counter clockwise. Even tension on the top and bottom rolls ensures flat lamination.

## ADJUSTING THE TEMPERATURE & SPEED

1. After turning on the power switch, the digital screen display will show the previous temperature and speed setting. Please adjust the temperature to the recommended setting based on the thickness of film being used by pressing the “TEMP/SET” “^” or “~” arrow keys. Said recommendations are found in front of the machine’s left side panel. The lowest thermal temperature this machine can be set is 80°C (176°F). The digital screen display will beep showing the set temperature for 3 seconds before showing the actual machine temperature.
2. Once the temperature is set, press the “HOT” key to start the heating process and the heater light will turn on.
3. The machine will start beeping once it reaches 80°C (176°F) for at least 3 minutes. This is to alert the user that the motor will reset itself to “0” before going to speed “1” at 80°C (176°F). The beeping will stop as soon as the operator presses any of the “TEMP/SET” “^” or “~” arrow keys.

**Note: If the machine is left unattended upon reaching 80°C (176°F) and the “TEMP/SET” “^” or “~” arrow key is not pressed, the temperature will start dropping in approximately 3 minutes.**

4. Once the set temperature is achieved and the roller temperature is stabilized, the machine will start beeping again and the ready light will turn on. Once the ready light stays on, you can set the recommended speed.
5. Press the “MOTOR” “^” or “~” arrow keys to set the motor speed. The following table gives some common temperature/speed setting for typical uses.

Film Thickness		Temperature	Speed
1.5 Mil (38 Micron)	Normal	120°C (248°F)	4
1.5 Mil (38 Micron)	Max. Output	135°C (275°F)	9
3 Mil (75 Micron)	Normal	120°C (248°F)	3
3 Mil (75 Micron)	Max. Output	130°C (266°F)	8
5 Mil (125 Micron)		135°C (275°F)	3
10 Mil (250 Micron)		140°C (284°F)	2

## LAMINATING PROCEDURES

1. Push the handle to the “DOWN” position to engage the rollers and make sure the Run/Stop switch is in “STOP” position. To start laminating, put the Run/Stop switch on “RUN” position.
2. To put the lamination temporarily on hold without turning off the machine, user can turn the motor control switch to “STOP” position. This will cause the motor to stop running and the film will stop feeding.
3. To resume the lamination job, turn the switch to the “RUN” position again.

### (2) HOT FOIL LAMINATION

#### LOADING THE FILM

Unpack the upper rods. Load the foil film onto the rods by turning the top rod clockwise as you push the rods through. Make sure to leave equal lengths of rod out of each end using the guide marks to correctly position the roll of film. Load the rods on the laminator.

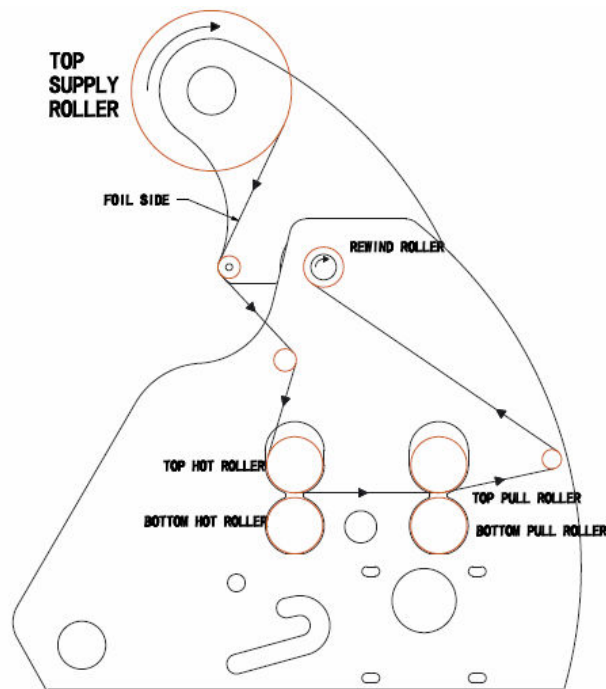
**Note: you cannot interchange the upper and lower rods.**

#### THREADING THE FILM

Read the threading card supplied with this laminator. Do not mistake the stabilizer bar for the idler roller.

1. To thread the foil film through the “hot rollers” & “pull rollers”, please pull the handle to the “UP” position to separate upper & lower hot rollers.
2. Push the film through the rollers by using a threading card.
3. Make sure the film is correctly threaded based on the threading guide. A threading diagram is also located on the right side panel of the machine.

### HOW TO DO HOT FOIL STAMPING



## ADJUSTING THE FILM TENSION

The top and bottom supply rolls should have about the same tension. By turning the top roll with one hand and the bottom roll with the other, it can be determined if one of the rolls is tighter than the other. Also, if the tension is not equal between the top and bottom rolls, the laminated product will curl. If it curls up when it comes out of the machine, the top roll is likely tighter than the bottom. If it curls down, the bottom roll is likely tighter. To increase tension, turn the adjusting knob clockwise. To decrease tension, turn the knob counter clockwise. Even tension on the top rolls ensures flat lamination.

## ADJUSTING THE TEMPERATURE & SPEED

1. After turning on the power switch, the digital screen display will show the previous temperature and speed setting. Please adjust the temperature to the recommended setting based on the thickness of film being used by pressing the “TEMP/SET” “^” or “~” arrow keys. Said recommendations are found in front of the machine’s left side panel. The lowest thermal temperature this machine can be set is 80°C (176°F). The digital screen display will beep showing the set temperature for 3 seconds before showing the actual machine temperature.
2. Once the temperature is set, press the “HOT” key to start the heating process and the heater light will turn on.
3. The machine will start beeping once it reaches 80°C (176°F) for at least 3 minutes. This is to alert the user that the motor will reset itself to “0” before going to speed “1” at 90°C (194°F). The beeping will stop as soon as the operator presses any of the “TEMP/SET” “^” or “~” arrow keys.

**Note: If the machine is left unattended upon reaching 80°C (176°F) and the “TEMP/SET” “^” or “~” arrow key is not pressed, the motor will not turn on and the temperature will start dropping in approximately 3 minutes.**

4. Once the set temperature is achieved and the roller temperature is stabilized, the machine will start beeping again and the ready light will turn on. Once the ready light stays on, you can set the recommended speed.
5. Press the “MOTOR” “^” or “~” arrow keys to set the motor speed. The following table gives some common temperature/speed setting for typical uses.

Film Thickness	Temperature	Speed
Foil Film	90°C (194°F)	3

## LAMINATING PROCEDURES

1. Push the handle to the “DOWN” position to engage the rollers and make sure the Run/Stop switch is in “STOP” position. To start foiling, put the Run/Stop switch on “RUN” position.
2. To put the foil temporarily on hold without turning off the machine, user can turn the motor control switch to “STOP” position. This will cause the motor to stop running and the film will stop feeding.

3. To resume the foil job, turn the switch to the “RUN” position again.

## **B. TEMPERATURE CONVERSION**

This machine can display temperatures in either Celsius or Fahrenheit. To change to either one, simply press and hold the “TEMP/SET” arrow keys simultaneously.

## **C. GUIDE PLATES**

This machine is equipped with guide plates on the left and right sides of the feed tray for proper alignment of materials to be laminated.

## **D. REVERSE FUNCTION**

The machine is equipped with a reverse function. By pressing the “REVERSE” key, the machine will release the documents out from the front of the machine to prevent any jam or damage.

## **E. FILM SLITTER**

This machine is equipped with a safety film splitter in the back of the machine for trimming film in between sheets of laminated material. Simply slide the cutting edge across the film to remove the finished material.

## **4 TURNING OFF THE LAMINATOR**

Upon completion of the laminating job, please press the “COLD” key to turn off the heat and make sure the Stop/Run Switch is on “STOP” position.

## **5 CARE AND CLEANING**

This machine is for Office or Household use only. Any servicing, other than cleaning and user maintenance, should be performed by an authorized service representative.

1. Do not immerse in water.
2. To reduce the risk of fire or electric shock, do not remove the machine’s 4 rubber foot pads.
3. Keep your hands and cord away from hot parts of the machine during operation.
4. To remove roller residue please set the machine to 285°F. Once the temperature is reached, you may use a yellow/green sponge and scrub from side to side using the green side.

## **6** WARRANTY

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 redelivery 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.
3. 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 within the Contiguous USA, Hawaii and Alaska excluded.