

SPECIFICATIONS

| | |
|------------------------|---------------------------------|
| MODEL NAME | TCC-655Q |
| Operating Speed | 45.6cm(1.5rpm) to 1.6m(5rpm) |
| Dimensions | |
| Width | 84cm(35") |
| Height | 31cm(12") |
| Depth | 53cm(21") |
| Weight | 38kg(84lb) |
| Electrical Requirement | |
| Voltage | 110-120V / 60Hz |
| Current | 120V(16A) |
| Power | 120V(1800W) |
| Voltage | 230V/50Hz |
| Power | 1800W |

WARRANTY INFORMATION

Our machines are guaranteed against defects in materials and workmanship for a period of one year from the date of original purchase from an authorized dealer of TAMERICA PRODUCTS, INC. If you perceive or experience any issue with the machine, kindly report it to the dealer *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:

- Loss or damage to the equipment due to improper operation, abuse, mishandling or failure to follow the operating instructions;
- 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 TAMERICA PRODUCTS, INC. Unless prohibited by law, neither this warranty nor any other warranty expressed or implied, including implied warranties of merchantability, shall extend upon this warranty period. No responsibility is assured for incidental or consequential damages. *This warranty is valid only in the 48 Contiguous USA, Alaska and Hawaii excluded.*

* Upon receipt of the returned machine for repair, it will normally take us at least 2 weeks to diagnose, fix, and return it to you. Verification of the claimed defect by Tamerica Products authorized personnel will be required prior to issuance of proper credit, exchange, or repair.

Tamerica

PRODUCTS, INC.

TCC-655Q

Hot Roll Laminator



OPERATING MANUAL

IMPORTANT !!!

It will be beneficial to first get yourself acquainted with the features of your TCC-655Q 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.

TABLE OF CONTENTS

| | |
|----------------------------------------------------|-------|
| Important Safety Instructions..... | 3 |
| Installation Guide | 5 |
| TCC-655Q Lamination Guide | 6 |
| TCC-655Q Parts & Features | 6-11 |
| Lamination Instructions & Feed Table Removal | 12 |
| Film Loading & Threading | 13-14 |
| Loading New Film to Existing Film | 15 |
| Film Tension Adjustment & Clearing a Film Jam..... | 16 |
| Suggestions for Good Lamination | 17 |
| Caring Instructions | 18 |
| Troubleshooting Guide | 19 |
| Specifications & Warranty Information | 20 |

TROUBLESHOOTING


| Symptom | Possible Cause | Corrective Action |
|--------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Power lamp does not illuminate when ON/OFF switch is in the ON position. | Laminator not connected to an electrical supply. | Insert power cord into receptacle. |
| | Circuit breaker open | Reset Circuit Breaker. |
| Heat rollers do not turn | Safety shield is in upright position. | Lower safety shield. |
| | Feed tray interlock pin not in place. | Slide interlock lever all the way into the left side frame. |
| Laminated items exhibit curling | Tension between the top and bottom. | Adjust tension per section FILM TENSION ADJUSTMENT. |
| | Tension on top or bottom roll of film is too loose. | Adjust tension per section FILM TENSION ADJUSTMENT. |
| | Speed setting too slow. | Slightly speed up laminator. |
| | Film roll may be improperly loaded. | Make sure both roll of films are around idle bar. |
| Adhesive deposited on heat rollers | Top and bottom film webs not aligned. | Align film webs per section FILM ALIGNMENT PROCEDURE. |
| | Laminate improperly loaded. | Adhesive (matte) side of laminate film may be against the heat rollers. Load film per procedure outlined in section FILM LOADING & THREADING |
| Unsatisfactory adhesion of laminate | Speed setting too fast for type of material being laminated. | Press the arrow down (Speed Button) to reduce motor speed. |
| | Insufficient heat | READY LCD lamp must be illuminated. |
| | Laminate film improperly loaded | Adhesive side of film must be facing away from the heat roller. Bottom roll of film not threaded behind the idle bar. |
| | Heat rollers require cleaning | Clean heat rollers per procedure in section CARING FOR THE TCC-655Q LAMINATOR. |
| | Laminated item unsuitable for adhesion | Item may be dirty or may have non porous surface that is extremely difficult to laminate. |


CARING FOR THE TCC-655Q

The only user maintenance required is to periodically clean the heat rollers. The following procedure will help keep the heat rollers free of adhesive that may be deposited along the edge of the laminating film. Proper alignment of the rolls of film reduces the amount of glue that may squeeze out and inadvertently transfer onto the heat roller.

Also, do not attempt to laminate adhesives marked “Flammable” or laminate glitter and/or metallic items as these may damage the rollers.

CLEANING THE HEAT ROLLERS

 **THE FOLLOWING PROCEDURE IS PERFORMED WHILE THE LAMINATOR IS HOT. USE EXTREME CAUTION.**




 **Do not apply cleaning fluids or solvents to the rollers. Some solvents and fluids could ignite on heated rollers.**

Hardened adhesive deposits on the rollers may cause severe damage and proper care must be exercised in attempting to remove them. Never use sharp or pointed objects to clean the rollers.

Use the following as a guide:

1. Remove the film from the laminator following the procedure outlined in steps 1 through 5 of the section “FILM LOADING AND THREADING METHOD USING A THREADING CARD (p. 13).”
2. Press the STOP button.
3. Preheat the laminator to 80°C until the READY LCD illuminates (no pre-heat setting on machine)
4. Clean the top and bottom heat rollers with a soft pad or cloth.
5. Install the feed table and lower the safety shield.
6. Press the RUN button at speed 1 to rotate the heat rollers to an unclean portion. Press the STOP button and continue this process until the complete surfaces of both rollers are clean.
7. Follow the procedure in the section mentioned in #1 to reload the laminator.

NOTE: Do not use metal scouring pads to clean the rollers. If detergent or chemicals are used to clean the laminator, keep the instruction of following caution.

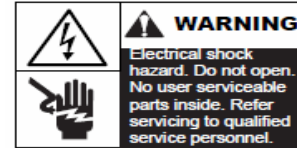
| | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | Don't use acetone, benzene, thinner to clean the laminator since they may cause fire. |
|  | Isopropyl alcohol must be used to clean the roller. |
|  | Keep away from rollers during operation to help avoid injuries. |

IMPORTANT SAFETY INSTRUCTIONS



THE SAFETY ALERT SYMBOL PRECEDES EACH SAFETY MESSAGE IN THIS INSTRUCTION MANUAL. THIS SYMBOL INDICATES A POTENTIALLY PERSONAL SAFETY HAZARD THAT COULD HURT YOU OR OTHERS, AS WELL AS CAUSE PRODUCT DAMAGE OR PROPERTY DAMAGE.

THE FOLLOWING WARNINGS ARE FOUND ON THE PRODUCT:



The socket/outlet should be installed near the equipment and must be easily accessible.





This safety message means that you could be burned and your fingers and hands could be trapped and crushed between the hot rollers.



This safety message means that you could injure yourself if you do not handle the blade with caution.



The machine makes use of high voltage. Do not open the outer case to prevent injury or worse, death from electrical shock.

| | |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | To help reduce the risk of damage or electrical shock, please use appropriate voltage only & never tamper with any electrical component of the machine. |
|  | Machine emits heat. Keep away from flammable substances to help prevent fire. |

IMPORTANT SAFEGUARDS



DO NOT ATTEMPT TO SERVICE OR REPAIR THE TCC-655Q. THERE ARE NO USER SERVICEABLE PARTS INSIDE THE MACHINE.



DO NOT CONNECT THE TCC-655Q TO AN ELECTRICAL SUPPLY, OR ATTEMPT TO OPERATE THE LAMINATOR, UNTIL YOU HAVE COMPLETELY READ THIS MANUAL. KEEP THIS IN SAFE AND CONVENIENT LOCATION FOR FUTURE REFERENCE.



TO GUARD AGAINST INJURY, THE FOLLOWING SAFETY PRECAUTIONS MUST BE OBSERVED IN THE INSTALLATION AND USE OF THE LAMINATOR.

GENERAL

1. Keep hands, long hair, loose clothing, and articles such as necklaces or ties away from the front of the heat and pull rollers to avoid entanglement and entrapment. The heat rollers can reach temperatures over 150°C (300°F).
2. Avoid contact with the heat rollers during operation or after power has been removed from the laminator.
3. Do not use the laminator other than for its intended purpose.
4. Ensure laminator is always placed on a stable cart, stand or table. An unstable surface may cause the laminator to fall resulting in serious injury. Avoid quick stops, excessive force, and uneven floor surfaces when moving the laminator on a cart or stand.
5. Do not insert objects unsuitable for lamination nor expose it to extreme temperatures.

ELECTRICAL

1. The laminator should be connected only to a source of power as indicated in these instructions. Contact an electrician when the power cord does not match the receptacles at your location.
2. Do not operate the laminator with a damaged power cord, upon occurrence of a malfunction, or after the laminator has been damaged. If any of these instances occur, contact your dealer/distributor for immediate assistance.



The receptacle must be located near the equipment and should be easily accessible. Disconnect the power cord from the receptacle to which it is connected to before moving the laminator to another location.

SUGGESTIONS FOR GOOD LAMINATION

1. Do not attempt to laminate abrasive or metal objects such as staples, paper clips, and glitter, as they may damage the heat or pull rollers.
2. Do not force items into the nip area of the heat rollers. An item that is not easily drawn into the laminator by the heat rollers is probably too thick to laminate.
3. Wrinkles may result if an attempt is made to reposition an item once it has been grasped by the heat rollers.
4. Do not stop the laminator before an item has completely exited the pull rollers. Even a momentary stop will cause a mark (heat line) to appear on the laminated item.
5. Good, consistent lamination is a result of combining proper heat, tension and dwell time. Dwell time is controlled by the speed of the motor and is defined as the amount of time the material to be laminated is compressed between the heat rollers. When one of the film gauge buttons is selected, the laminator automatically sets the speed and temperature for that film and 80g/m² paper (copier paper).
6. As a general rule, thicker laminates need to run at lower speeds because they extract more heat from the rollers. Setting the speed control at a slower setting gives the laminator longer dwell time thus allowing proper lamination of thick items. Thinner items, such as a standard copier paper (80g/m²), extract less heat from the rollers and can be run at faster speeds.
7. The WAIT LCD may illuminate if the speed is set too fast for the material being laminated. Either lower to the speed setting or press the STOP button and wait until the READY LCD illuminates.
8. Operation of the laminator for more than thirty minutes at a time may necessitate a lower speed setting. If the laminator is used for extended runs, it is recommended to laminate between thick and thin materials and not laminate them at the same time because this may result in a poor edge seal around the thinner material.
9. If you are unsure if the laminator is set at the proper speed for an item to be laminated, run a test piece (scrap) of the same or similar material, through the laminator. This procedure is recommended because rotating the heat rollers prior to lamination will more evenly distribute the heat.
10. Make speed adjustments whenever necessary. The TCC-655Q Lamination Guide (p. 6) provides general guidelines for suggested heat and speed settings to use with certain material and laminating film combinations. A guide is located on the left-side cover of the unit and in this manual. As a reminder, this is only a general reference guide. Different settings may be suitable as the warm up time, lamination time, and materials change.

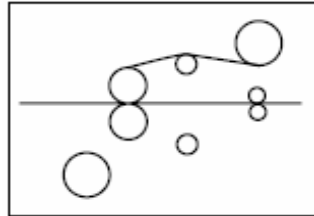
FILM TENSION ADJUSTMENT

Proper film tension, known as brake tension, is the minimum amount required to eliminate wrinkles in the finished item. Film tension is set at factory and generally, 125mic (5mil) and 250mic (10mil) films require more tension and as the film becomes thinner, more tension is needed requiring more adjustments to be made. Film tension should be checked occasionally to ensure that the adjustment is correct.

The film should be taut. A properly adjusted roll of film should not require excessive force to turn by hand. Film tension should be enough to introduce a minor amount of drag as the film unrolls. Insufficient tension causes wrinkles, while too much tension causes stretching (necking). Uneven tension between the top and bottom rolls may cause the film to curl. Too much upper tension creates an upward curl. Too much tension on the bottom causes a downward curl.

The machine is equipped with external tension knobs located on the left side. Turning the knobs clockwise increases the tension while turning it counterclockwise decreases the tension.

Laminate some test samples to check for proper tension and adjust as needed.



CLEARING A FILM JAM

Film jams (wrap-around) may occur if the film is loaded backwards or if the area where the film exists the equipment is blocked. Normally in this situation, the film wraps around the rear or pull rollers. To clear a jam, it is necessary to rotate the rollers in the reverse direction. This function is available by pressing the REVERSE button on the control panel.

Other instructions:

1. Immediately stop the laminator by pressing the STOP button.
2. Set the machine speed to 2.
3. Raise the safety shield and remove the feed tray.
4. Cut the top and bottom film webs.
5. When reinstalling the feed tray, grasp the loose ends of the web so that they will lay flat on top of the tray.
6. Lower the safety shield and simultaneously press the RUN and REVERSE buttons making sure to guide the film out of the heat rollers.
7. Once the jam has cleared the rollers, press the STOP button.
8. Thread the film per section "FILM LOADING AND THREADING".

SERVICE

Perform only the routine maintenance procedures referred to in this manual.



Do not attempt to service or repair the laminator. Disconnect the power cord from the receptacle and contact your dealer/distributor when one or more of the following has occurred:

- The power cord is damaged.
- Liquid accidentally spilled into the laminator.
- The laminator malfunctions after it has been mishandled/misused.
- The laminator does not operate as described in this manual.

SERVICE

1. The dealer/distributor and carrier must immediately be notified should the machine be received damaged. Therefore, the machine has to be immediately inspected upon delivery.
2. Place the TCC-655Q on a stable, flat surface capable of supporting at least 44kg. The surface should be at least 700mm high during operation to make it convenient for the user. All four rubber support feet should be completely on the supporting surface which should be large enough to hold the material to be laminated.
3. The laminator should be positioned so that the exiting film will drop freely to the floor. Accumulation of laminate immediately behind the laminator as it exits the equipment may cause the film to wrap around the pull rollers resulting in a "jammed" condition.
4. Avoid locating the laminator near sources of heat or cold especially if it is in the direct path of forced heated or cooled air.
5. Connect the power cord to a secure outlet. Avoid connecting other equipment to the same branch circuit to which the laminator is connected as this may result in nuisance tripping of the circuit breaker or blown fuses.



CAUTION : More than 2 people are needed to carry this equipment to avoid personal injury or damage to the machine.



CAUTION : Make sure the laminator is unplugged before attempting to move it to another location. This will help prevent damage to the machine or injury to the user.

LAMINATION GUIDE

| STOCK | FILM GAUGE | TEMPERATURE | SPEED |
|-----------|----------------|---------------|-------|
| (80g/m2) | 38mic (1.5mil) | 120°C (248°F) | 8 |
| board | 75mic (3mil) | 115°C (239°F) | 6 |
| 20lb. | 125mic (5mil) | 110°C (230°F) | 5 |
| | 250mic (10mil) | 105°C (221°F) | 3 |
| (320g/m2) | 38mic (1.5mil) | 120°C (248°F) | 8 |
| board | 75mic (3mil) | 115°C (239°F) | 6 |
| 20lb. | 125mic (5mil) | 110°C (230°F) | 5 |
| | 250mic (10mil) | 105°C (221°F) | 3 |
| (0.3g/m2) | 38mic (1.5mil) | 120°C (248°F) | 8 |
| board | 75mic (3mil) | 115°C (239°F) | 6 |
| 10pt | 125mic (5mil) | 110°C (230°F) | 5 |
| | 250mic (10mil) | 105°C (221°F) | 3 |

PARTS AND FEATURES

The TCC-655Q is the perfect machine to produce a wide range of services in a copy shop environment or as an in-house office laminator. Ideal for laminating posters, leaflets and maps with superb results, and for professional mounting up to 5mm mounting boards.

Other features include:

- Pre-set functions for hot settings, pre-heat, temperature measurement, reverse with override for full speed, and temperature control.
- Tension control on film mandrel.
- Infrared Temperature Sensor.
- Variable speed from 0-1.6meters/minute.
- Guides on feed table.
- Pre-set 5mm gap for mounting with foam boards.
- Variable temperature and pressure control.
- LCD readout
- Pouch lamination

LOADING NEW FILM TO EXISTING FILM



THE FOLLOWING PROCEDURE IS PERFORMED WHILE THE LAMINATOR IS HOT, THEREFORE PLEASE USE EXTREME CAUTION AND AVOID CONTACT WITH THE HEAT ROLLERS.

The following describes a method for loading film whereby the existing film present on the heat rollers may be used in place of the threading card to draw the new film through the laminator. The existing film's adhesive must be tacky as it will be used to overlap with the leading edges of the new film for them to be pulled together through the laminator. Details are as follows:

1. Preheat the laminator. Remove the feed tray.
2. Cut remaining top and bottom film webs between the supply rolls and heat rollers.
3. Raise safety shield to full upright position.
4. Do not allow the adhesive side of the film to contact the rear of pull rollers. Tacky adhesive deposited on the heat rollers will require the rollers to be cleaned per the section entitled "CARING FOR THE TCC-655Q LAMINATOR (p. 18)".
5. Remove bottom film supply roll from the laminator and lower bottom film guide.
6. To load new film on film supply shafts, repeat steps 9 and 10 in subsection "Using Film Threading Card."
7. Unroll enough film from the bottom roll of the film to slide under the bottom idler bar and tack to the existing film. Slide the bottom idler bar back into place and replace the supply roll shaft.
8. Replace the top supply roll shaft and unroll enough film to tack to the existing top roll film.
9. Replace feed table and lower safety shield.
10. Release tension on film rolls and press the button for the slowest speed setting then press the RUN button.
11. Observe the film being pulled through the laminator to ensure that the remaining existing film and the new film are advancing concurrently. Any separation between the films will require for the motor to be stopped immediately in order for adjustments to be made.
12. Press the STOP button once the newly threaded film has completely exited the laminator.



CAUTION

Do not leave the machine unattended and in "Stop Status" for an extended period of time, especially if the roller temp. is higher than 90°C, since this could cause fire or damage the machine.

USING A FILM THREADING CARD

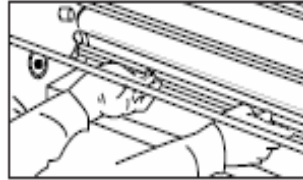
4. Raise the safety shield to its upright position and pull the top piece of film down.
5. Do not allow any remaining film to pass through the laminator if there is any tacky adhesive present. This may easily deposit on to the heat rollers if the following procedure is not observed: lower the safety shield and press the SPEED button to indicate 3 (or less) on the display panel; press the RUN and REVERSE buttons together and guide the web out of the front of the laminator. Make sure no exposed adhesive gets into contact with the heat rollers and that the film completely exits and laminator.

6. Release the buttons and press STOP after the web has cleared the heat rollers.

7. Lift the safety shield to its full, upright position.

8. Remove the feed table.

9. Lower the bottom idler bar as shown here in this illustration.



10. Remove the bottom film shaft by sliding the shaft to the right until the left side of the shaft clears the hex-shaped brake hub. Loosen locking screw on the left retaining collar of film supply shaft and slide collar off. Pull shaft partially out of film tube then push back in to knock out left core adaptor. Pull shaft all the way out and rotate tube 180 degrees. Use shaft to knock out remaining core adaptor.

11. Slide one core adaptor into the right side of the new roll of film ensuring the film will not unroll from the bottom on PET-IN film and from the top for PET-OUT film. Slide the film shaft into the core adaptor and tube from the right side. Place the other core adaptor on the shaft protruding from the left side then replace retaining collar. Tighten locking screw.

12. Unroll 60cm (2ft) of film and drape the film over the top idler bar and completely over both heat rollers.



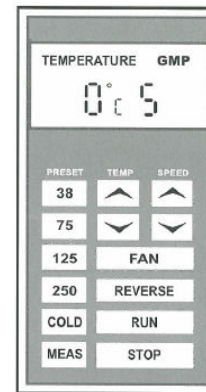
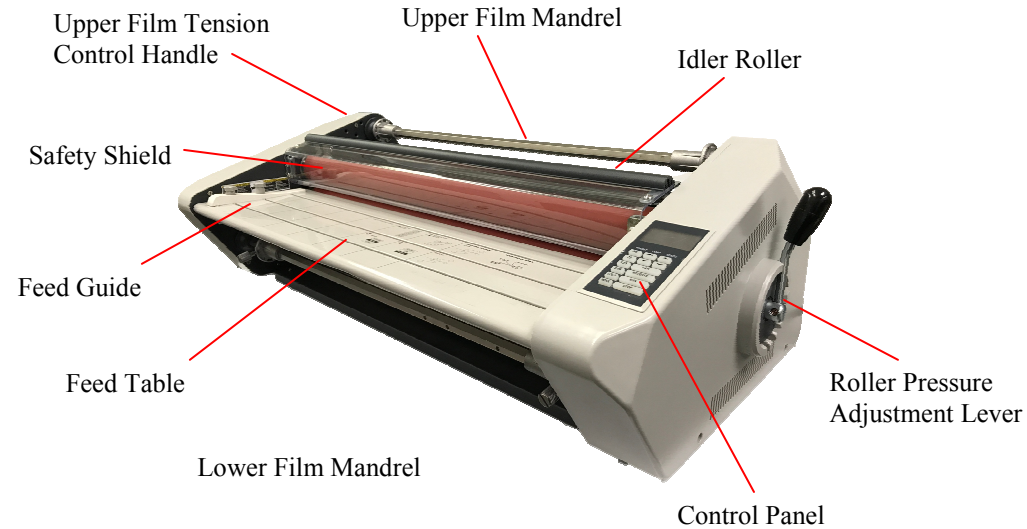
13. Slide the feed tray under the piece of film that is draped over the bottom roll. Reinstall the feed table so that the bottom roll of film is resting on the tray.

14. Slide the threading card between the feed tray and the film web lying on the tray and gently push into the nip area of the heat rollers.



15. Lower the safety shield, close the rollers, and then push the RUN button. Watch the leading edge of the threading card to ensure that it enters the nip area of the heat rollers and is being pulled into the laminator. The card will guide the web of both film rolls into the heat rollers. Push the STOP button once the threading card has exited the rear of the laminator.

16. Check film alignment. See section entitled "FILM ALIGNMENT PROCEDURE" for instructions if installed film needs alignment.



- COLD** Cools the heated rollers ideal before the laminator is turned off.
- MEASURE** Displays the present temperature of the rollers.
- TEMP(▲)** Increases the temperature beyond the pre-set temperature.
- TEMP(▼)** Decreases the temperature beyond the pre-set temperature.
- SPEED(▲)** Increases the speed of the motor beyond the pre-set speed setting.
- SPEED(▼)** Decreases the speed of the motor beyond the pre-set speed setting.
- FAN** Push once to activate cooling fan motor. Press one more time to stop.
- REVERSE** Use this function to help clear jams and wrap-ups.
- RUN** Activates the rollers for normal operation.
- STOP** Stops the rotation of the rollers.

PRE-SET FUNCTIONS

When pressed, these buttons automatically set the speed and temperature for the thickness of the film and laminate to be used. Refer to the TCC-655Q Lamination Guide on previous page for

LCD DISPLAY

READY

Indicates when the laminator has sufficient heat from the film gauge selected. This flashes when the temperature is close to the set temperature.

TEMPERATURE

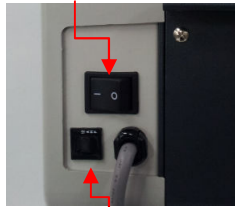
Displays the programmed temperature setting in either Fahrenheit or Celsius.

SPEED

Indicates the speed setting of the motor.

PARTS AND FEATURES

POWER S/W



POWER SWITCH

Located at the back of the machine, the power switch turns on the power of the laminator. The LCD display panel will illuminate when the position marked "I" is pressed. The off position, marked "O", cuts off power to the laminator.

CIRCUIT BREAKER

Electrical safety device located on the back of the laminator near the power cord, which can be reset by the operator if tripped



If the breaker trips a second time after being reset, contact your dealer/distributor for immediate assistance.

FEED TABLE

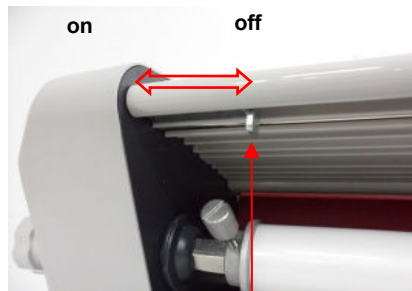
The feed table is used to position items for lamination. The laminator will operate only when the feed table and latch are properly installed and secured.

SAFETY SHIELD

Prevents entanglement, entrapment, and inadvertent contact with the heat rollers. The laminator will operate only when the safety shield is located in the down position. Power to the motor is cut off when the shield is raised.

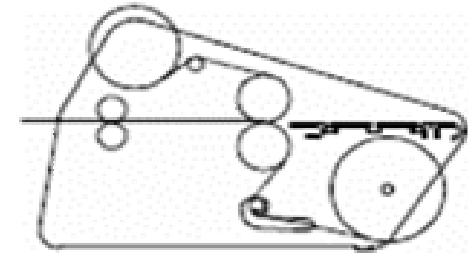
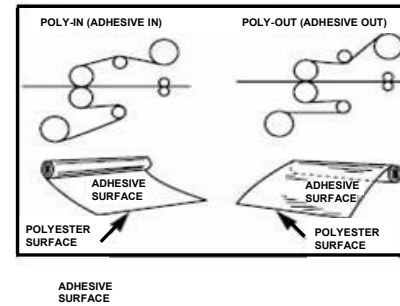
TABLE INTERLOCK LATCH

This is used to lock the feed table into position and activates an interlock switch. The table cannot be removed without retracting the latch to the right while lifting the table upwards and away from the laminator. The laminator will not operate when the table is removed and/or the feed table latch is retracted.



Feed table safety latch

FILM LOADING AND THREADING



The TCC-655Q uses Poly-In film on 1" cores. Poly-In means the adhesive side of the film is on the inside of the web. The dull side of the film contains the adhesive. Use extreme caution when loading de-lustered (matte) film as both sides appear dull.

The top and bottom rolls of laminating film must be of the same width and both loaded at the same time. It is normal for small amounts of adhesive to be deposited on the heat rollers even during normal lamination. However, excessive, hardened deposits can damage the rollers. To help prevent this, please refer to the section entitled "CARING FOR THE TCC-655Q" (p. 18) instructions for removing the accumulated adhesive.

Adhesive will deposit on the rollers if:

- Only one roll is used;
- Different widths of rolls are loaded together;
- Either roll is loaded with the adhesive side towards the heat roller;
- One or both rolls of film are allowed to run completely off its core;
- Rolls are not correctly aligned.

Always change the top and bottom supply rolls at the same time. Near the end of each Tamerica Roll Film is a label stating "Warning-End of Roll." The appearance of this label on either top or bottom roll requires that new rolls of film be installed as soon as the item presently being laminated completely exits the rear of the laminator.

Do not introduce any additional items into the laminator when the warning label is already visible.

USING A FILM THREADING CARD

The following procedure uses the film threading card provided with new rolls of Tamerica Roll Film. The laminator should be cool to the touch before proceeding.

1. Turn the main power switch to the on position (I).
2. Rove the feed table.
3. Cut the remaining top and bottom film webs between supply rolls and heat rollers. Be careful not to cut the rollers.

LAMINATION

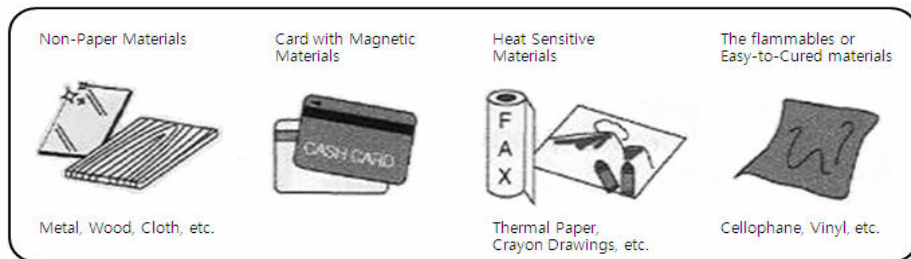
1. Turn the laminator on (I) by pressing the main power switch located at the back of the machine.
2. Make sure the safety shield and feed tray are in their proper positions.
3. The TCC-655Q will initially default to a COLD setting while the motor speed will be set according to the pre-set button selected. When changing the film, the heat and speed settings to be used may vary depending on the film thickness. Refer to the TCC-655Q Lamination Guide Chart on page 6 for these settings. These are guides and suggested starting points and will vary with different types of film and substrates to be laminated.
4. You may begin laminating only when the READY LCD illuminates. The normal warm-up time is approximately 10 minutes but may be longer depending on the film used.
5. Position the item(s) to be laminated on the Feed Table and close the rollers choosing the pressure setting closest to the film being used.
6. Press the RUN button and the rollers will begin to turn. Wait for the heat line to disappear then push the item(s) into the nip point of the heat rollers. Additional items can be laminated without stopping and starting the motor.
7. Should a jam occur (wrap-up), press the STOP button. Refer to the section CLEARING A FILM JAM (p. 16) for specific instructions.
8. Stop the laminator when all of the items have completely exited the rear of the machine.
9. Allow the laminator to remain powered if it is anticipated that it will be used again within a short period of time but release the pressure on the rollers.

FEED TABLE REMOVAL

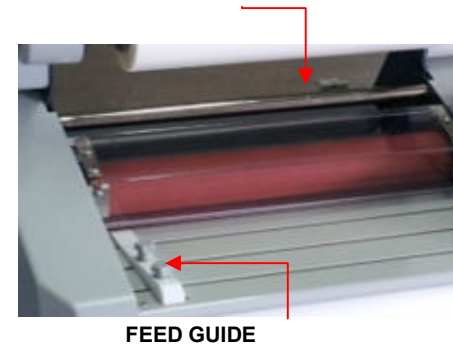
Follow these instructions on how to remove the feed table:

1. Lift the safety shield to its full, upright position.
2. Slide the feed table latch to the right. (page 8)
3. Lift the table upwards and away from the laminator.

Items that are not for Heat Seal Lamination



IDLE ROLLER



FEED GUIDE

The Feed Guide is used to properly align the items to be laminated. To position the adjustable guide, loosen the knob on the top of the guide, slide it to the desired position, and tighten the knob to secure the feed guide in place. The feed guide may also be used to feed smaller items side by side by positioning the guide towards the center of the feed table and placing the items against each side of the feed guide as they are being introduced into the nip point of the heat rollers.

IDLER ROLLER

The idler bars, located near each supply roll, are used to direct the film to the heat rollers. The bottom idler bar is movable to ease film loading.

HEAT ROLLERS

The TCC-655Q has silicone rubber coated sheet tubes that heat the laminating film and press the heated film to the items being laminated. Heat is provided by an internal heating element and the heat rollers are motor driven.

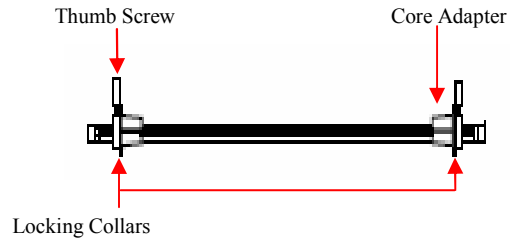
TCC-655Q PARTS AND FEATURES

PULL ROLLERS

The pull rollers that are located at the back of the laminator are motor driven. They aid in pulling the film and improve the quality of the laminated film.

FILM SHAFT & CORE ADAPTERS

The film shaft holds the film supply while the core adapters hold the rolls of film on the shaft.



LOCKING COLLARS

Used on the film roll shafts to prevent the rolls of film shifting from side to side.

FILM WEB

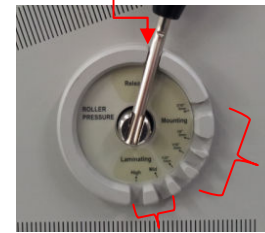
Laminating film loaded into the machine.

NIP POINT

The point at which the top and bottom rollers come into contact. The Nip Point of the heat rollers is the place at which items for lamination are introduced into the laminator.

TCC-655Q PARTS AND FEATURES

Preheat, Stand-by



Hot & Cold Lamination

ROLLER PRESSURE HANDLE

Adjusts the amount of roller pressure needed for various laminating and mounting applications.

- Laminating: for 38mic/1.5mil film thickness
- Mounting: for boards
- Heavy Gauge: for laminating film thicker than 38mic/1.5mil

Mounting
1~5mm

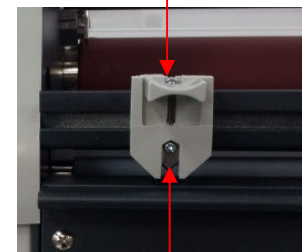


Film tension control

FILM TENSION ADJUSTMENT

Allows the operator to increase or decrease film web tension as needed to reduce curl or wrinkles.

Lever



Blade

REAR SLITTER.

Located behind the laminator and used to cut off the laminated web.



CAUTION : Be careful when operating the blade as this could be a cause of injury.