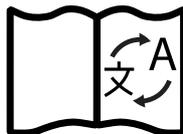


ColorFlare CF2000 Laminator and foiler

Operating Instruction



Read this manual carefully before you use this product and keep it handy for future reference.
For safety, please follow the instructions in this manual.



Scan the QR code to access translated versions of this manual in German, Italian, French, and Spanish.

Visit <https://plockmaticgroup.com/myfinisher/cf2000/> to view the manual in your preferred language.

Introduction

This manual contains instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Keep this manual in a handy place near the machine.

Please read the Safety Information before using this machine. It contains information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

How to read this manual

Notation conventions

Whenever necessary, the following points for attention are indicated in this manual.

Warning:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

Caution:

Indicates a potentiality hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to machine or property.

Notes

NOTE: A NOTE message tells you additional useful and important information about a procedure. It is recommended that you read notes.

Safety Information

When using this machine, the following safety precautions should always be followed.

Safety during operation

Warning:

- Do not expose body parts, loose hanging hair or clothing to moving, rotating or cutting parts.
- If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrical or mechanically driven components.
- Note that components of the system and peripherals can be supplied with electric voltage even if the main power switch is turned off and the power cord is disconnected.
- To avoid hazardous situations like for instance electric shock or danger while exposed to moving, rotating or cutting devices, do not remove any covers, guards or screws other than those specified in this manual.
- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:
 - Objects are dropped into the equipment.
 - Liquids are spilled inside the equipment.
 - You suspect that your equipment needs service or repair.
 - Covers are damaged, loose or missing.
 - You notice unusual noises or odors when operating the equipment.
 - If the power cable or plug is worn out or otherwise damaged.
 - Before cleaning and care (unless otherwise specifically instructed).
- Do not remove covers or guards that are fastened with screws.
- Machines with open (non-covered) automatic sheet feeders pose a crush/pinch hazard. Keep away from these areas when the machines are operating.
- Machines with exposed cutting carriages and heads pose a crush/pinch hazard. Keep away from the moving carriages and ensure that these machines are inaccessible to children during operation.
- Never leave these units switched on without supervision.
- If an emergency stop button is on the machine – do not use the button for regular operation. It is designed for immediate stop solely for emergency situations to ensure the safety of all individuals involved.
- Electromagnetic compliance:
 - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

General safety

Warning:

- This equipment is not suitable for use in locations where children are likely to be present.
- Only connect the machine to a mains power supply of the correct voltage with a good earth connection; as advised by your service engineer at the time of installation. Improper Earthing of the equipment can result in electrical shock. The correct machine voltage is shown on the label at the mains power supply input on the rear of the machine. If the machine is connected to the wrong supply, the warranty is cancelled. This machine is destined for specific purpose only. Any use going beyond this specific purpose is regarded as beyond the determination. The manufacturer will not be liable for damages resulting from any use beyond the determination, unallowed operation, respectively. The user alone bears the risk.
- Do not make arbitrary changes or modifications to the machine. The manufacturer will not be liable for modifications made to the machine on your own and damages resulting thereof. The EU/UK Declaration of Conformity and the CE/UKCA mark will be invalidated if you make changes to the machine or to the individual components.

Continued on next page...

General safety, continued

- Operators are never allowed to override or bypass electrical or mechanical interlock devices. Trained technicians are allowed to use interlock cheaters only when instructed to do so. Do not expose fingers or other parts of the body to moving, rotating, or cutting devices when running the machine with the interlock cheater installed. Do not wear ties, lanyards or other things that might get trapped into the rollers and cause injuries. Do not change, adjust, or tamper with the safety interlock devices fitted to the machine. Machine including UV-Light should never be bypassed by operator or trained technicians. Permanent eye damage could occur.
- The machine is to be used only by authorized and instructed persons. The responsibility on operating the machine must be strictly laid down and observed so that there are no unclear competences regarding safety aspects.
- Vent holes serve for air circulation to protect the machine from overheating. Make sure that the holes are not covered.
- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine. Make sure the machine is located on a level floor and that there is enough work area around it.
- To protect against fire hazard, replace fuses with those of the same type and rating. Do not change fuses before the machine is disconnected from the main power supply. Refer to the product's documentation for the correct procedure.
- Do not expose the equipment to sudden temperature variations that can cause condensation.
- Operators and technicians must be familiar with the safety information detailed in this safety pamphlet and in the product's documentation.
- To avoid hazardous situations, like for instance electric shock or danger while exposed to moving, rotating or cutting devices, do not remove any covers, guards or screws other than those specified in the product's documentation and before the machine is disconnected from the main power supply.
- Always use only the power cord intended for the machine.
- Never connect plugs unless instructed so. Never connect plugs that have a different shape / number of pins.

Caution:

- Always follow all warnings marked on, or supplied with, the equipment.
- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- Disconnect the power cord before you move the machine. While moving the machine, always exercise care and make sure that the power cord will not be damaged under the machine.
- Do not move the machine while the machine is running.
- Do not open covers while the machine is running.
- Do not switch off the power while the machine is running. Make sure the machine cycle has ended.
- Lay the power cord in a way that nobody will stumble over it. Do not place things on the cord.
- Never attempt any maintenance function that is not specifically described in this documentation.
- Always keep magnets and all devices with strong magnetic fields away from the machine.
- If the place of installation is air-conditioned or heated, do not place the machine where it will be:
 - Subject to sudden temperature changes.
 - Directly exposed to cool air from an air-conditioner.
 - Directly exposed to heat from a heater.
- If the machine is not used over an extended period of time it should be unplugged to prevent damage in the case of overload.
- Do not operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

NOTE:

- The indications like front and rear refer to the paper transport direction.
- The operator manual always has to be available at the place of use of the machine.
- In the interest of technical development the company reserves the right to make alterations to specifications without prior notice.

Continued on next page...

Safety measures

Please read the information and safety measures carefully prior to initial operation of the unit.

- The operator is required to reach into the unit to web a foil or laminate while the main switch is turned on. Keep hands away from electrical or mechanically driven components during this operation, and be careful not to roll loose hanging clothes, ties, hair, etc., into the rollers.
- Never open the casing and do not make any modifications to the unit yourself.
- Do not put liquids or metal objects inside the unit.
- Ensure that the wall socket used is grounded.
- Ensure that the connected voltage (100-240V) does not deviate by more than $\pm 10\%$. Otherwise install a voltage stabiliser.
- Remove the power plug from the unit if it will not be in use for a longer period of time.
- Never reach into the unit in the vicinity of the chrome roller during the lamination or foiling operation.
- Stop any lamination or foiling jobs in progress before cleaning the chrome roller.
- Always ensure that the chrome roller remains inaccessible to children during operation and never leave the unit or individual parts of it switched on without supervision.
- Always place the unit on a stable base to prevent it from falling down.
- Disconnect from the power supply during thunderstorms; it can be damaged or destroyed by electrical surges caused by lightning.
- Do not touch the chrome roller during operation or while it is still hot.
- Do not lean on the extension table.
- Do not use emergency stop button for regular operation of the unit. The emergency stop button is designed for immediate stop solely for emergency situations to ensure the safety of all individuals involved.

To reset the emergency stop button rotate it clockwise direction and pull it back upwards to its original position. The emergency stop button should only be reset after addressing and resolving the emergency condition that triggered its activation.

Emergency stop button



Table of Contents

What You Can Do With This Machine	8
Guide To Components	9
ColorFlare CF2000	9
User Interface	11
Pressure Controls	15
Laminator Adjustment Controls	16
1. Basics	19
Turning On / Off the Main Power	19
Extension Table Attachment / Removal	20
Webbing for laminate	21
Webbing for foil after laminating	28
Webbing for foil	33
2. Operating with laminate and foil	39
Operating with laminate	39
Operating with foil	41
Examples of application	44
3. Troubleshooting	47
Foiling / film issues	47
Visual Guide to Foil Quality	47
Foiling Issues	48
Laminating Issues	50
Equipment issues	51
4. Remarks	53
Do's and Don'ts	53
Where to put Your Machine	53
Machine Environment	53
Power Connection	53
Maintaining Your Machine	54
CF2000 Best Practices	56
CF2000 Limitations	56
5. Specifications	57
Declaration of Conformity	58

What You Can Do With This Machine

The CF2000 is a compact, dual laminator and foil flaring device, designed to offer an in-house decorative effects solution for short-run, on demand digital applications, as well as lamination for traditional litho output. With the ability to laminate and foilflare straight out of the box, this high-quality production unit will soon start earning its keep, and you, a great reputation.

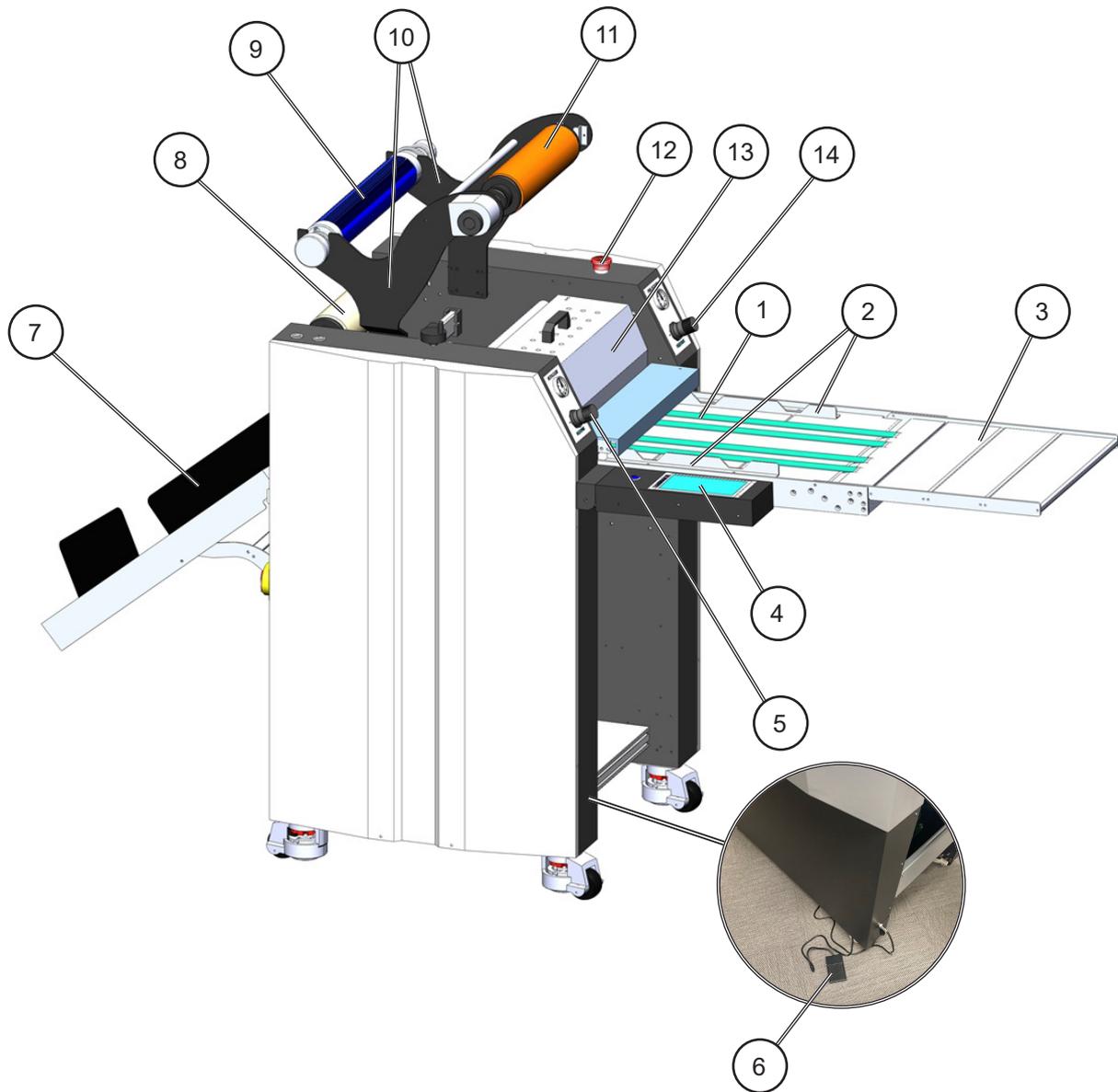
ColorFlare has been developed to meet specific print finishing requirements and built to exacting technical standards – with fully controllable pressure and heat processes, devised to deliver optimum results with today's digital print output. Both lamination and flaring-film rolls are available in a choice of widths and lengths to deliver great value for cost-effective production.

Market leading features:

- Advanced dual roller process for digital lamination, film and foil technologies for digital applications
- Produce multiple jobs and flaring effects with just 1 machine
- No need to have traditional UV coating for special effects
- High hydraulic pressure for a smooth professional finish
- Semi auto feeding with overlap feature
- De-curl bar for flat sheet finish

Guide To Components

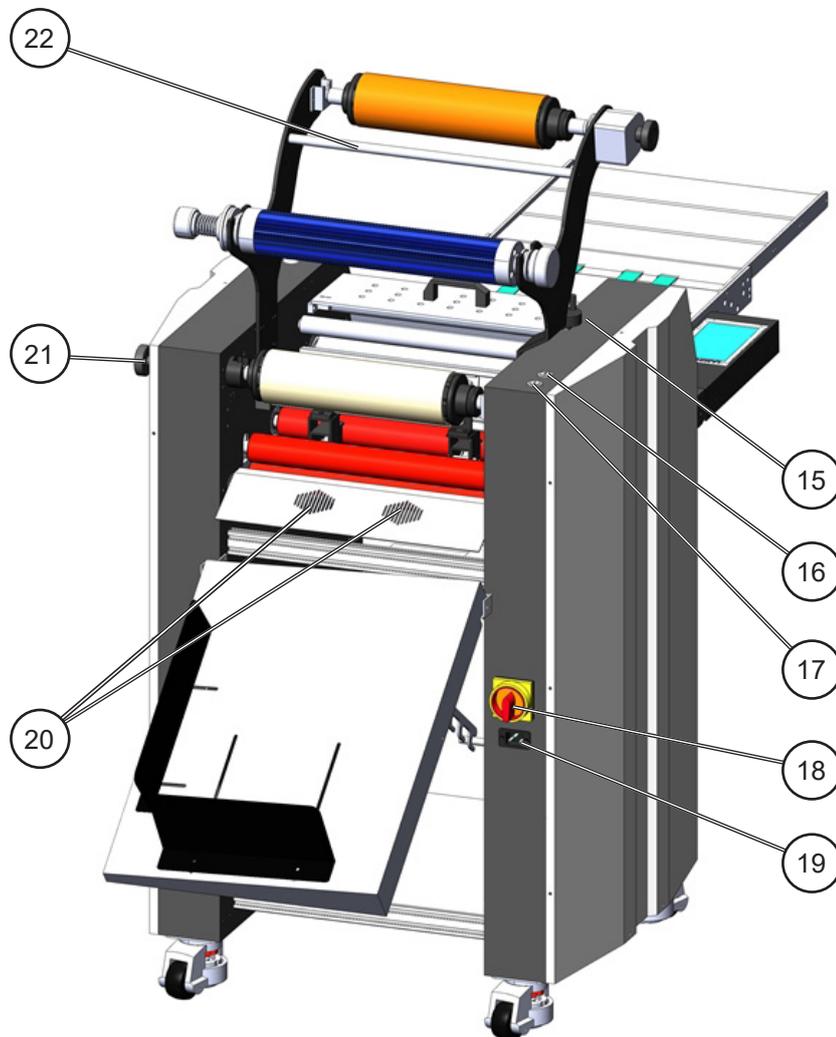
ColorFlare CF2000



- | | | | |
|---|---|----|--|
| 1 | Delivery Table | 8 | Foil Take Up Roller |
| 2 | Side Guides | 9 | Laminating Roller |
| 3 | Extension Table | 10 | Arms |
| 4 | LCD Touch Panel | 11 | Foiling Roller |
| 5 | Pressure Regulating Knob For Hot Roller | 12 | Emergency Stop Switch |
| 6 | Foot Pedal | 13 | Hot Roller Protective Cover |
| 7 | Media Catching Tray | 14 | Pressure Regulating Knob For Pull Roller |

Continued on next page...

ColorFlare CF2000, continued



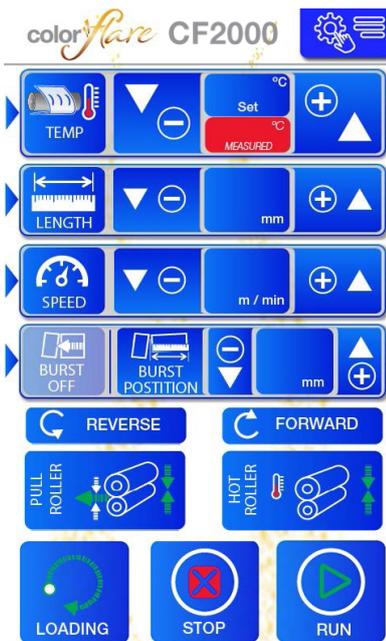
- 15 De-Curl Handwheel
- 16 Fan Switch
- 17 Air Pump Switch
- 18 Power Switch
- 19 Power Cable Socket
- 20 Fans
- 21 Foil Take Up Roller Tension Adjustment Handwheel
- 22 Support Rod

User Interface

The ColorFlare CF2000 is controlled from a resistive touch screen type panel. The User Interface will allow you to set up and adjust the CF2000 by pointing at the screen and pressing buttons to change the desired settings.

Warning:

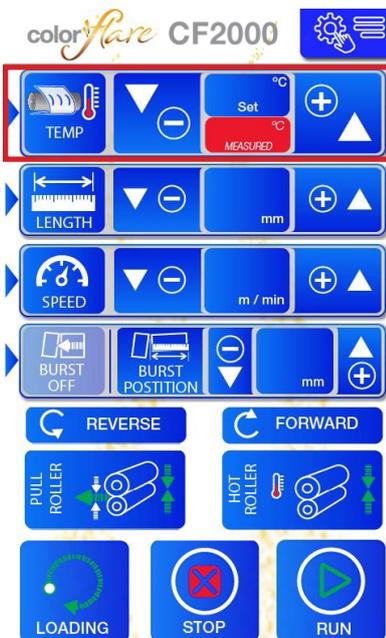
If you have powered on the CF2000 laminator using the Power switch, but you do not see anything on the display. Then it is likely the Emergency Stop Switch (EMS) (See section "Guide To Components") has been pressed. To release the EMS function - press and slightly twist the EMS button so it goes back up. Now Power will reach the display and the display will be as shown below.



The Home Screen

When the CF2000 is switched on, the Home screen will be shown.

Here you can adjust all settings used to set up a job or access the Settings menu.



Temperature control

To be able to adjust set temperature, the area must be activated by pressing on the first button [TEMP].

The temperature area shows two values: the **set temperature** at the top and the **actual temperature** at the bottom. If the difference between the actual temperature and the set temperature exceeds 10 °C, the thermometer displays red. If the difference is 10 °C or less, it displays green.

NOTE: Speed can only be increased when the thermometer displays green.

To adjust the set temperature, use the [+] and [-] buttons. Pressing the buttons increases or decreases the temperature by 1 °C. Holding the button for 3 seconds changes the temperature by 5 °C.

The temperature adjustment range is 80 °C - 130 °C. If the set value is below 80 °C, the display shows "---," and heating stops. When the set value is 80 °C or higher, heating begins.

NOTE: During heating, the actual temperature will change as the laminating roller warms up. At first, the temperature might rise about 10 °C higher than the set value. It will settle at the set temperature after about 15 minutes. For the best lamination results, wait until the temperature is stable before starting.

NOTE: The recommended temperature for ColorFlare consumables is 105 °C for laminating and 115 °C for foiling.

Continued on next page...

User Interface, continued



Paper length adjustment

Press the [LENGTH] button to select the paper length adjustment area. When selected, the area will turn dark blue, allowing you to adjust the value. If the area is light-colored, adjustments are not possible.

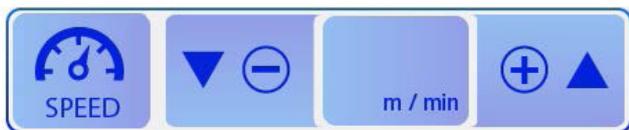
If no action is taken within 10 seconds of selecting the paper length area, it will automatically deselect, and the system will switch back to the temperature area. The paper length value can be adjusted whether the machine is running or stopped.

The machine will remember the last set value even after it is turned off.

Use the [+] or [-] buttons to change the length value. A single press changes the value by 1 mm, while holding the button for 3 seconds changes it in 20 mm steps. The adjustment range is from 200 mm to 1200 mm.

The paper length setting controls the overlap between the front and rear paper sheets. For example, if the actual paper length is 450 mm, setting the display to 450 mm results in no overlap. To create a 2 mm overlap, set the display to 448 mm.

NOTE: It is recommended to set a 2 mm overlap when laminating. Setting overlap prevents glue from laminate smearing on the rollers and de-curl bar.



Speed

Press the [SPEED] button to select the speed setting area. When selected, the area turns dark blue, allowing you to adjust the speed. If the area is light-colored, adjustments cannot be made.

If no action is taken within 10 seconds after selecting the speed setting area, it will automatically deselect, and the system will switch back to the temperature area.

Use the [+] or [-] button to increase or decrease the speed in steps of 0.5 m/min. The speed range is 1–15 m/min.

NOTE: The burst roller operates at a fixed speed, so adjusting the speed value does not affect its operation.

If the actual temperature deviates from the set temperature by more than 10 °C, the machine will operate at a speed of 1 m/min. Once the temperature difference between the actual and set values is less than 10 °C, the machine will resume operation at the preset speed. Similarly, when the machine is stopped, the speed cannot be set beforehand. After starting the machine, it will run at 1 m/min, and the speed can be adjusted during operation.

The machine does not save the set speed. When the power is restarted or the [STOP] button is pressed, the speed resets to 1 m/min. You will need to adjust the speed again after restarting.

NOTE: The recommended maximum speed for foiling is 2 m/min.



Burst

The machine starts with the BURST OFF as the default. BURST ON is used in lamination to separate

the sheets. To activate sheet separation, press the button to switch to the BURST ON mode. The button will turn dark blue, and the machine will automatically separate sheets.

The button cannot be switched while the machine is operating. It can only be switched before pressing the [RUN] button.

Continued on next page...

User Interface, continued



Burst position

Burst position is used to set the breaking distance (or breaking point).

To adjust the value, press the [+] or [-] button to change the value by 1 mm. If you press and hold the button, the value will change by 5 mm at a time.

The range for the breaking value is -40 to +40. A larger value brings the breaking point closer to the burst roller (e.g., +10), while a smaller value moves it farther away from the burst roller (e.g., -10).

The burst position can be adjusted both when the machine is running or stopped, and the last used value is saved after the machine is shut down.



Reverse/Forward (Foot Pedal Actions)

The foot pedal is used to manually forward or reverse sheets in the machine, allowing hands-free operation. It can be used when webbing laminate or foil, clearing

paper and material jams, and troubleshooting. Upon startup, the [REVERSE] button is dark blue by default (selected). When selected, pressing the foot pedal will move the pull roller and hot roller forward/backward (without rotating the burst roller), and releasing the foot pedal will stop the movement.

The machine will operate at the set speed for forward rotation, as configured in the speed settings.

The machine operates at fixed speed of 3 m/min for backward rotation.

Before starting the laminating or foiling process by pressing the [RUN] button, select the [FORWARD] button first so the machine operates in forward motion.

NOTE: The burst roller does not rotate when using the foot pedal.



Pull roller

The [PULL ROLLER] button is light blue when the pressure roller is in the open state, and dark blue when the roller is in the closed state. The icon shows the status of the pull roller, as illustrated in the figure. Press the button to toggle between these states.

Upon powering on, the machine will remember the pressure roller's state from the last shutdown. If the roller was closed before shutdown, it will automatically close when turned on again. If it was open before shutdown, it will remain open when powered on.

NOTE: The pull roller should be in the **up** position when foiling and in the **down** position when laminating.



Hot roller

The [HOT ROLLER] button is light blue when the roller is in the open state, and dark blue when the roller is in the closed state. The icon shows the status of the hot roller, as shown in the figure. Press the button to switch between these two states.

The default startup state is open. When you press the [RUN] button, the roller will automatically close, and the machine will begin running. When you press the [STOP] button, the roller will automatically open.

The hot roller can be enabled or disabled manually when webbing film or foil.

Continued on next page...

User Interface, continued



Loading

The [LOADING] button is primarily used to feed the first sheet of paper into the machine when webbing for foil or laminate.

Pressing and holding the Loading button activates the automatic closure of the hot roller, while simultaneously opening the gate to start paper feeding into the machine. Upon releasing the button, the hot roller automatically opens, and the gate closes, causing the machine to stop. The machine operates at a fixed speed of 1 m/min during the loading operation.



Stop

Upon startup, the [STOP] button is dark blue by default (selected).

NOTE: The hot roller is in the open state when the [STOP] button is selected.

The [STOP] button turns white when the [RUN] button is pressed and the machine is running.



Run

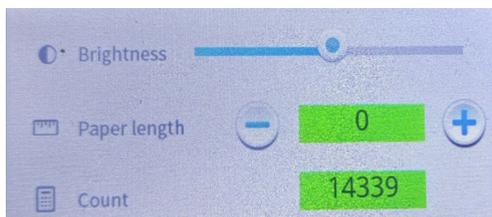
Upon startup, the [RUN] button is white by default (unselected).

Press the [RUN] button to initiate operation. The hot roller will automatically close.



Settings

Press the [Settings] button to access the secondary settings menu.



Brightness adjustment – adjust the display brightness by moving the slider. Sliding it to the right increases the screen's brightness, while sliding it to the left reduces it.

Paper length calibration – this function adjusts the difference between the system's recognized paper length value and the actual measured paper length. The factory has pre-set this parameter, and no adjustment is required by the operator.

Count – tracks and displays the total number of sheets of paper processed by the machine.



Homepage – Press [Homepage] button to return to the Home screen.

Pressure Controls



Hot roller pressure settings

To adjust the hot roller pressure, rotate the control knob clockwise [+] to increase pressure, or counterclockwise [-] to decrease pressure. The pressure should be set within the range of 6-7 bar for optimal operation.

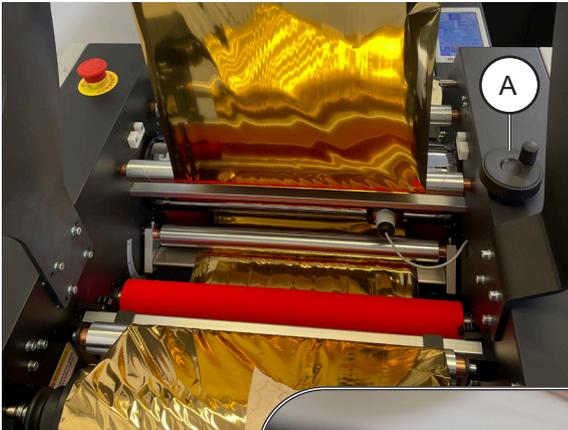


Pull roller pressure settings

To adjust the pull roller pressure, rotate the control knob clockwise [+] to increase pressure, or counterclockwise [-] to decrease pressure. The pressure should be set within the range of 3-4 bar for optimal operation.

Laminator Adjustment Controls

De-curl adjustment

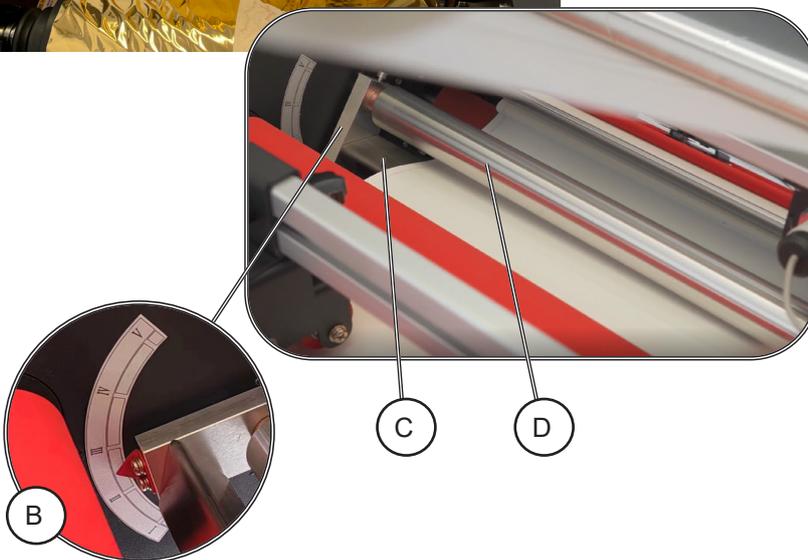


A de-curl bar is used to straighten or flatten sheets of paper or material that have become curled or warped during the lamination/foiling process.

Turn the handwheel [A] clockwise to raise the de-curl bar and increase the de-curl, or counterclockwise to lower it and reduce the de-curl. An arrow [B] on the de-curl bar shows the de-curl scale from I to V.

NOTE: If the media is curling up at the ends, increase the de-curl value. If the media is curling down at the ends, the de-curl value is too high and should be decreased.

NOTE: Ensure the media passes over the de-curl bar [C] and under the de-curl roller [D] as shown.



Film tension adjustment



Use the film tension adjustment handwheel [E] to control the tension of the film on the laminating roller. Adjust the tension if the film is too tight to prevent shrinking or stretching when passing over the hot roller, or if it is too loose to avoid it getting caught in the rollers.

Turn the tension adjustment handwheel clockwise to increase tension on the laminating roller, or counterclockwise to decrease it.

Adjusting axial position of film roll

Tightening handwheel [F] is used to secure the film roll on the laminating roller.

Turn the handwheel clockwise (+) to increase grip or counterclockwise (-) to loosen, ensuring the roller is firmly placed and does not shift left or right.

Continued on next page...

Laminator Adjustment Controls, continued

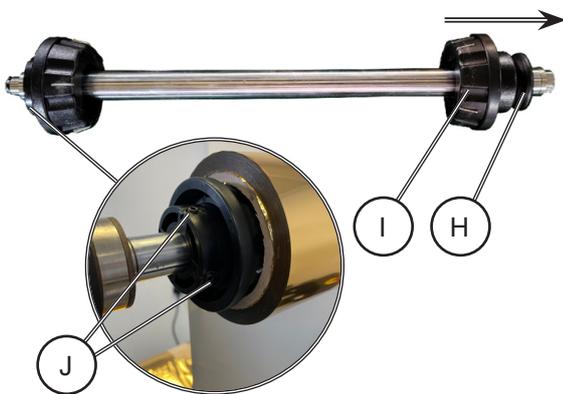
Foil tension adjustment



Use the foil tension adjustment handwheel [G] to control the foil tension on the foiling roller. Adjust the tension if the foil is too tight to avoid stretching or tearing, or if the foil is too loose to prevent it from getting caught in the rollers.

Turn the tension adjustment handwheel clockwise to increase tension on the foiling roller, or counterclockwise to decrease it.

Adjusting axial position of foil roll



Clamps are used to hold the foil roll on the foiling roller. To place the foil roll, first pull out the fixing pin [H] from the right clamp [I] and take off the clamp. After placing the foil roll, reattach the clamp. To center the foil roll, loosen the Allen bolts [J] (2x) on the left clamp. This will let you move the clamp forward or backward. Pull the right clamp away from the foil roll and adjust both clamps until the foil roll is aligned. Once aligned, reattach both clamps and tighten the Allen bolts [J] (2x) on the left clamp.

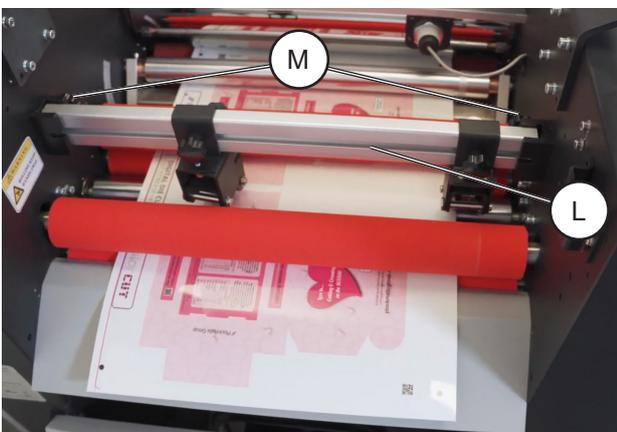
Foil take up roller tension adjustment



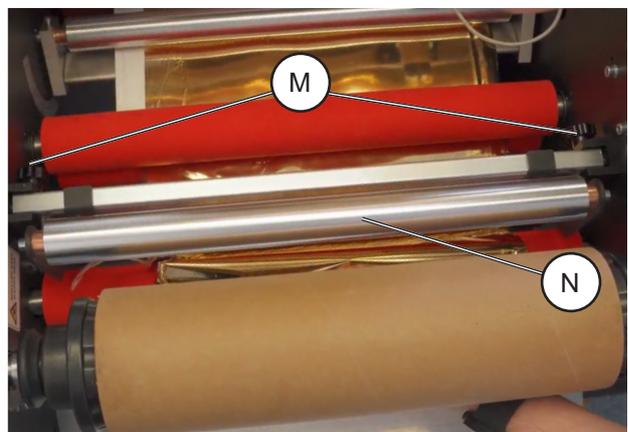
Tension adjustment handwheel [K] is used to adjust the tension of foil on rewinder. Use the handle when foil tension is too loose or tight.

Turn the tension adjustment handwheel clockwise to increase tension on the foil take up roller, or counterclockwise to decrease it.

Laminating/foiling bar installation



Laminating bar with skew wheel and perforation wheel [L] is used in laminating process to help separate laminated sheets. Insert the bar in the brackets as shown and tighten screws [M] (2x) on each side.

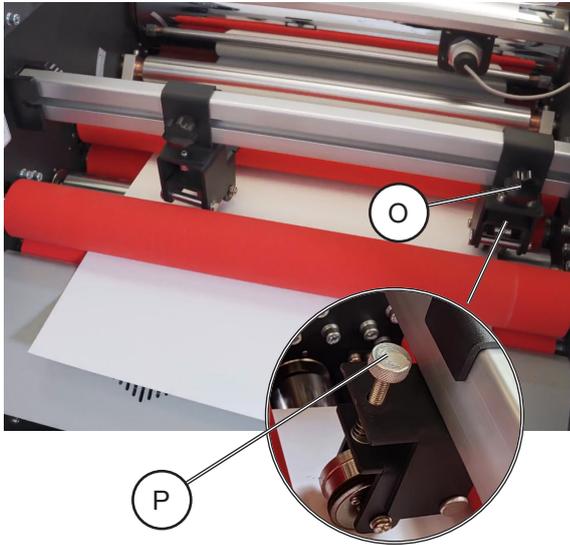


The foiling bar [N] is used to guide the foil onto the foil take-up roller. Place the bar in the brackets as shown and tighten screws [M] (2x) on each side.

Continued on next page...

Laminator Adjustment Controls, continued

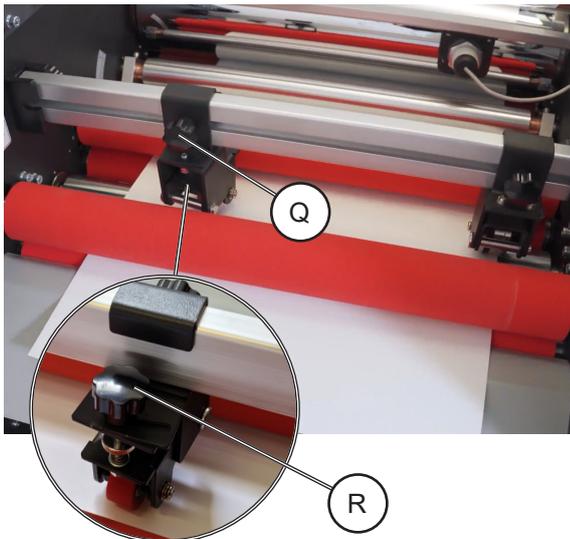
Perforation wheel adjustment



The perforation wheel weakens the laminate, so when pressure is applied by the burst roller, it causes the laminated sheets to separate cleanly.

Loosen the fastening screw [O] to adjust the position of the perforation wheel. Move it along the support bar so that the perforation wheel is about 5-8 mm from the edge of the film. Then, turn the pressure adjustment screw [P] clockwise to lower the perforation wheel and increase the pressure. The pressure should be increased until track marks are visible on the media from the perforation wheel.

Skew wheel adjustment



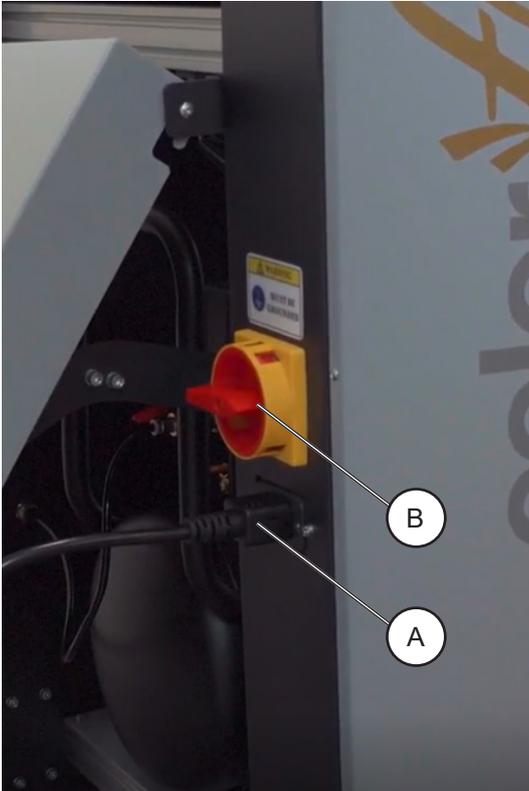
The skew wheel applies sideways pressure and tension to the laminate, helping to separate sheets when the burst roller engages.

Loosen the fastening screw [Q] to adjust the position of the skew wheel. Move it along the support bar to the desired position. Next, adjust the angle of the skew wheel. Loosen the screw [R], then rotate the bracket to set the desired angle. Once the angle is set, lock it in place.

NOTE: The angle of the skew wheel should be adjusted based on the thickness of the sheet. For thinner sheets, use a smaller angle; for thicker sheets, use a more inclined angle.

1. Basics

Turning On / Off the Main Power



1. Insert power cord [A] into the power socket of the machine. Make sure that the CF2000 power cord is plugged into a grounded wall outlet.
2. Rotate the power switch [B] clockwise to "ON" position.

NOTE: If the machine does not turn on, it is likely that the Emergency Stop Switch (EMS) has been pressed. To release the EMS function - press and slightly twist the EMS button so it goes back up.

Extension Table Attachment / Removal

1



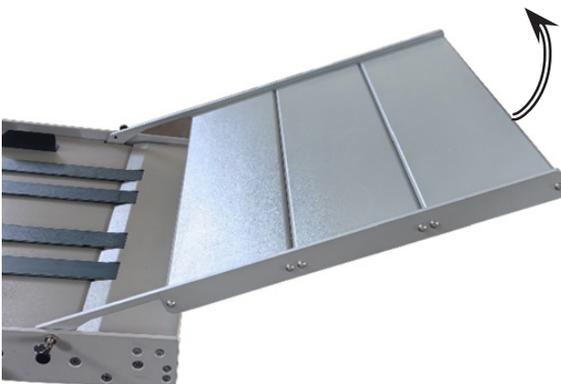
1. Unlock the latch under the extension table.



2. Pull out the pins from both sides of the extension table.



3. Rotate the knob on each pin to lock them in the pulled-out position.



4. Lift and remove the table.

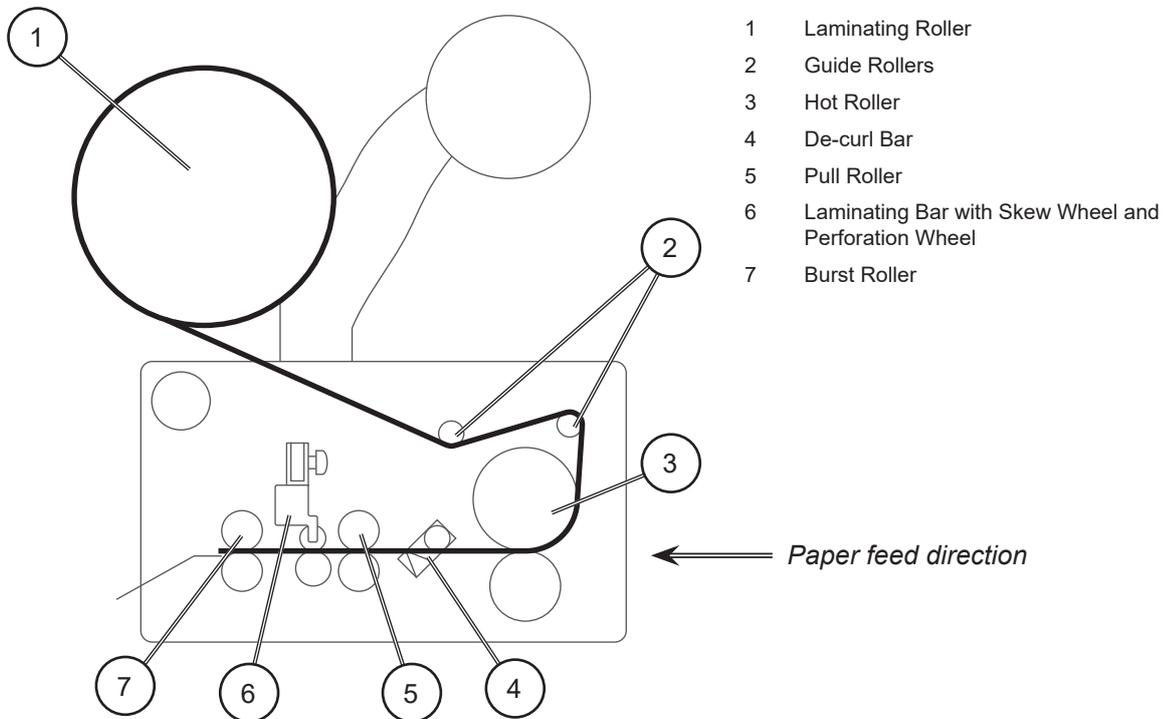
Attaching the extension table is an exact reversal of removal as described above.

Webbing for laminate

Standard webbing path

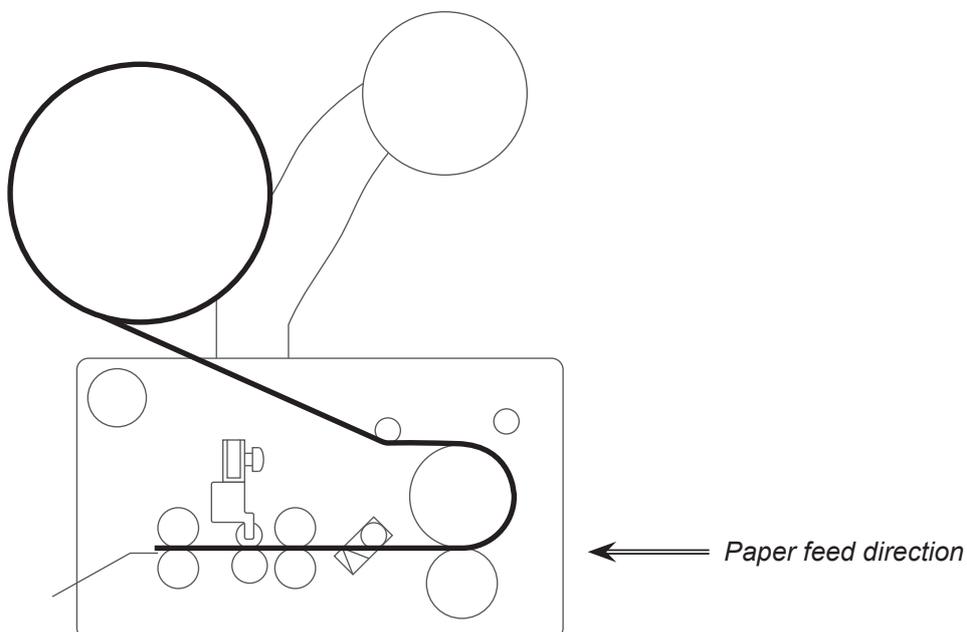
Use standard webbing path for short production runs where the machine will be operated at lower speeds and started/stopped frequently. This method can help avoid laminate shrinkage or stretching on the final product.

1



Alternative webbing path

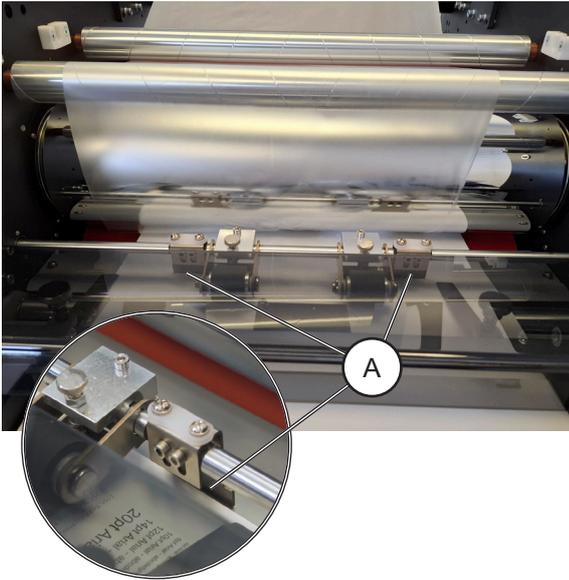
The alternative webbing path increases the area of the laminate in contact with the hot roller, maximizing heat transfer as a result. This is beneficial for the end result, especially when running jobs at high speeds and with thicker laminate, which can affect the heat transfer required to properly bond the laminate and media.



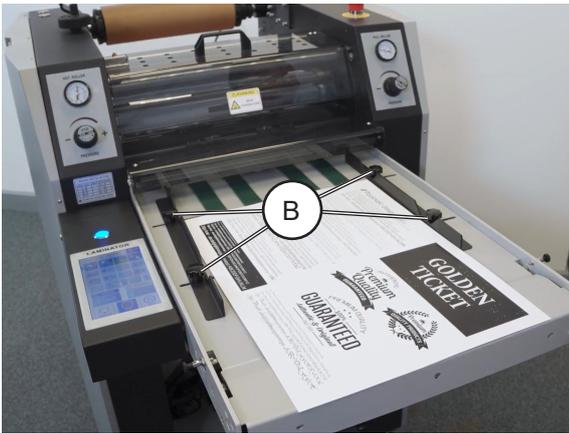
Continued on next page...

Webbing for laminate, continued

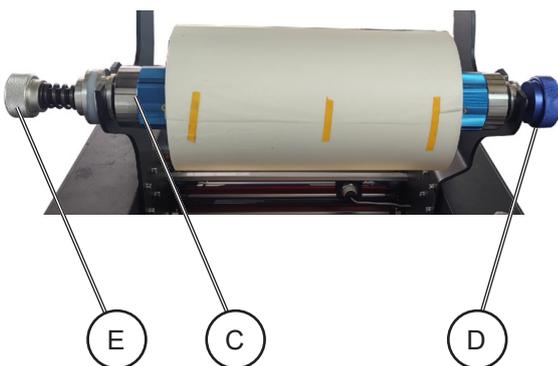
1



1. Turn on the main power.
2. Place a blank sheet on the delivery table, ensuring the short edge is against the gate [A] and the sheet is centered.



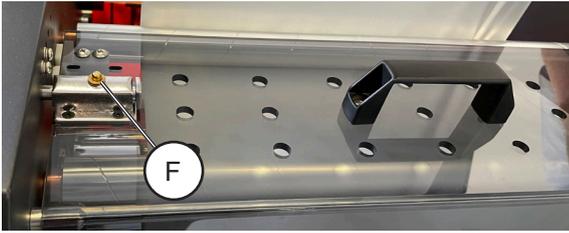
3. Use the adjustment knobs [B] to set the side guides slightly wider than the width of the paper.



4. Place the laminate onto the laminating roller [C], ensuring that the laminate feeds off the top of the roller towards the rear of the machine. The adhesive side of the laminate must not come into contact with the surface of the heated roller.
5. Insert the roller into the slots on both arms, ensuring that the tightening handwheel [D] is positioned on the operator's side. Once the laminate is on the roller, align it with the sheet on the delivery table. Adjust the laminate's position left or right as needed.
6. Secure the film roll by rotating the tightening handwheel [D]. Turn the handwheel clockwise (+) to increase grip or counterclockwise (-) to loosen, ensuring the roller is firmly placed and does not shift left or right.
7. Turn the tension adjustment handwheel [E] clockwise to increase tension on the laminating roller, or counterclockwise to decrease it.

Continued on next page...

Webbing for laminate, continued



8. Remove the protective cover by pressing the latch button [F] to unlock it.

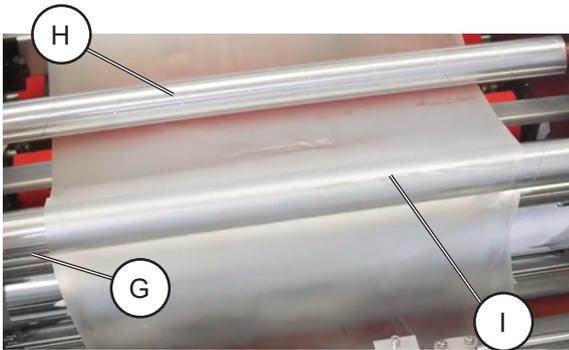
Warning:

Do not touch the surface of the hot roller with your hands during operation to prevent burns.

1



9. Push a sheet of media between the heated roller and bottom rubber roller. Be careful when pushing the sheet through as the roller could be hot. Push the sheet through so that you have approx. 150mm of the sheet still exposed.



10. Pull the film towards the hot roller [G], wrap it under the first guide roller [H] and over the second guide roller [I], and place it over the hot roller as shown.



11. Carefully press the end of the sheet against the adhesive side of the laminate as shown, ensuring that the sheet sticks to the laminate.

Warning:

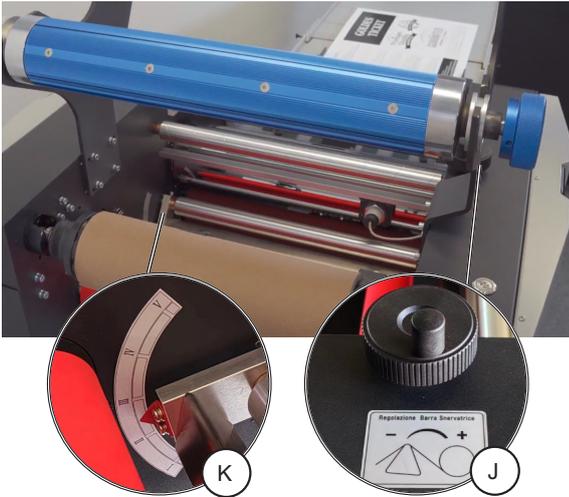
Do not touch the surface of the hot roller with your hands during operation to prevent burns.



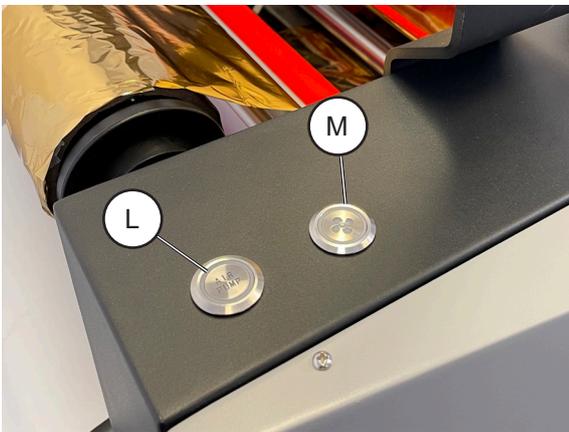
Continued on next page...

Webbing for laminate, continued

1



12. To make it easier to web the laminate, turn the hand-wheel [J] counterclockwise to set the de-curl bar to its lowest position. Make sure the arrow [K] on the de-curl bar points to "I" on the scale (I to V).



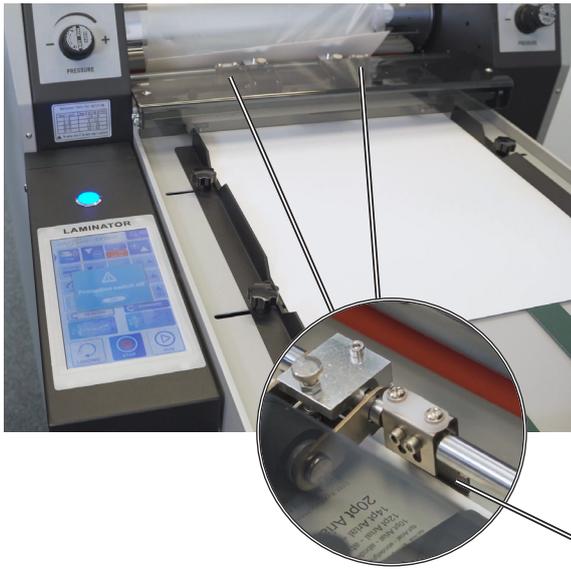
13. Ensure that pull roller is in the open state (disabled on the screen).
14. Turn on the air pump [L] and fan [M].



15. Replace the protective cover and lock the protective switch, then clear the error message on the screen by pressing the [OK] button.

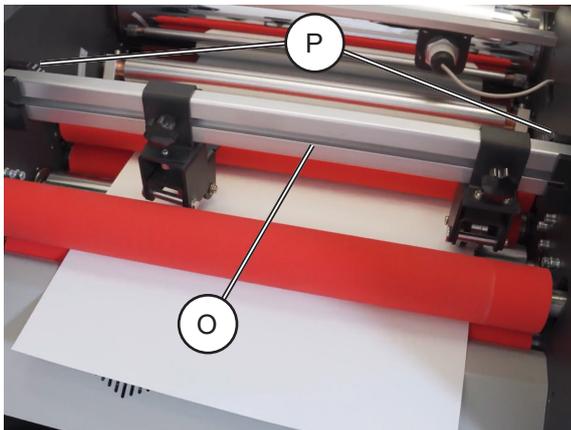


Webbing for laminate, continued

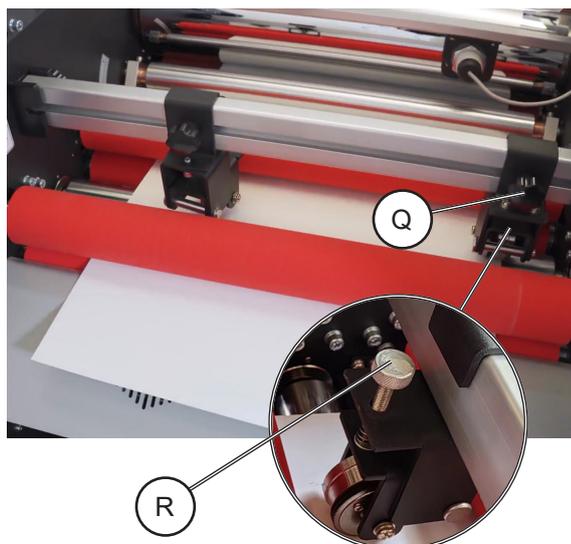


16. Place the next sheet against the gate [A] and then activate the heated roller by pressing the Hot roller button on the LCD panel. Press the “LOADING” button on the LCD panel, until the end of the second sheet goes just past the gate A. Then stop.

1



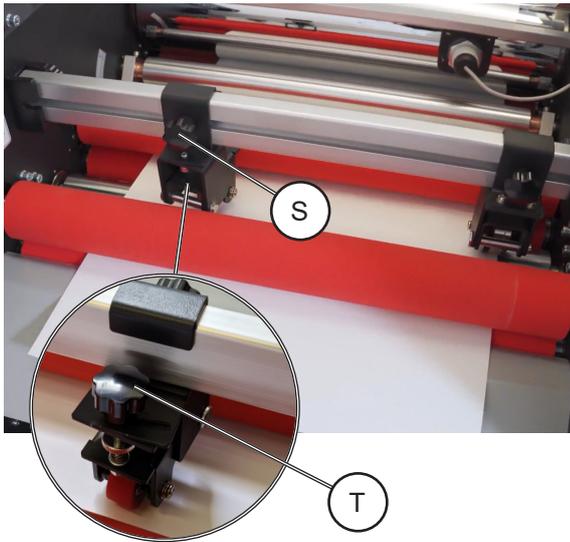
17. Install the laminating bar [O] and tighten the screws [P] (2x) on each side.



18. Loosen the fastening screw [Q] to adjust the position of the perforation wheel. Move it along the support bar so that the perforation wheel is about 5-8 mm from the edge of the film. Then, turn the pressure adjustment screw [R] clockwise to lower the perforation wheel and increase the pressure. The pressure should be increased until track marks are visible on the media from the perforation wheel.

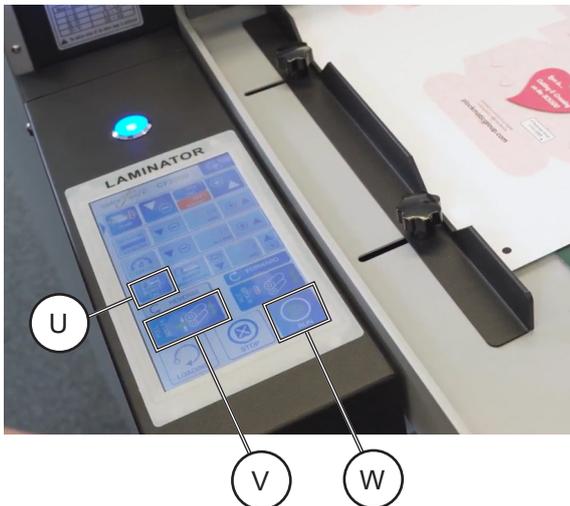
Webbing for laminate, continued

1



19. Loosen the fastening screw [S] to adjust the position of the skew wheel. Move it along the support bar to the desired position. Next, adjust the angle of the skew wheel. Loosen the screw [T], then rotate the bracket to set the desired angle. Once the angle is set, lock it in place.

NOTE: The angle of the skew wheel should be adjusted based on the thickness of the sheet. For thinner sheets, use a smaller angle; for thicker sheets, use a more inclined angle.



20. Place a new sheet on the delivery table, activate BURST ON mode [U], enable the [PULL ROLLER] button [V] and press the [RUN] button [W].



21. Place another blank sheet against the gate when the indicator light [X] turns blue.

NOTE: The machine has a paper feeding indicator light. When the red light is on, paper cannot be placed against the gate and fed. When the blue light is on, paper can be placed against the gate.

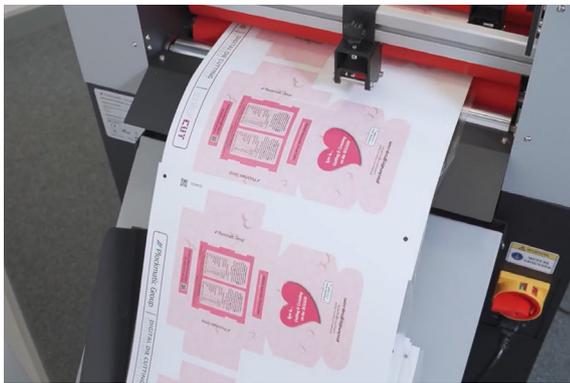
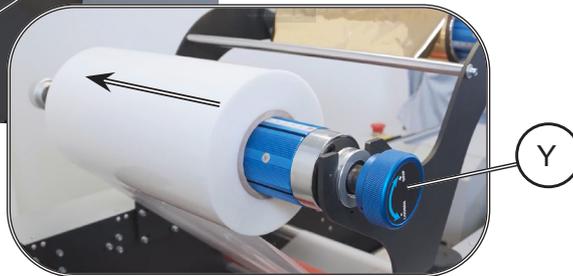
22. When a few sheets are ejected into the output tray, feed the last waste sheet in the machine to stop the process.
23. Turn off the air pump [L] and fan [M].

Webbing for laminate, continued



24. If the film is misaligned with the laminated sheet, loosen the tightening handwheel [Y] and adjust the laminating roll by moving it in the opposite direction of the overlap to realign the film and sheet. After making the adjustment, tighten the handwheel. Run 3–4 sheets through the machine to allow the changes to take effect.

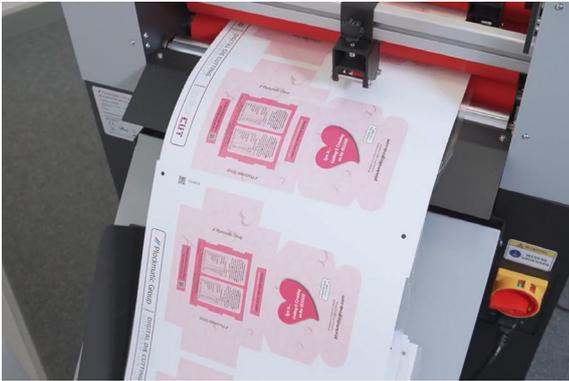
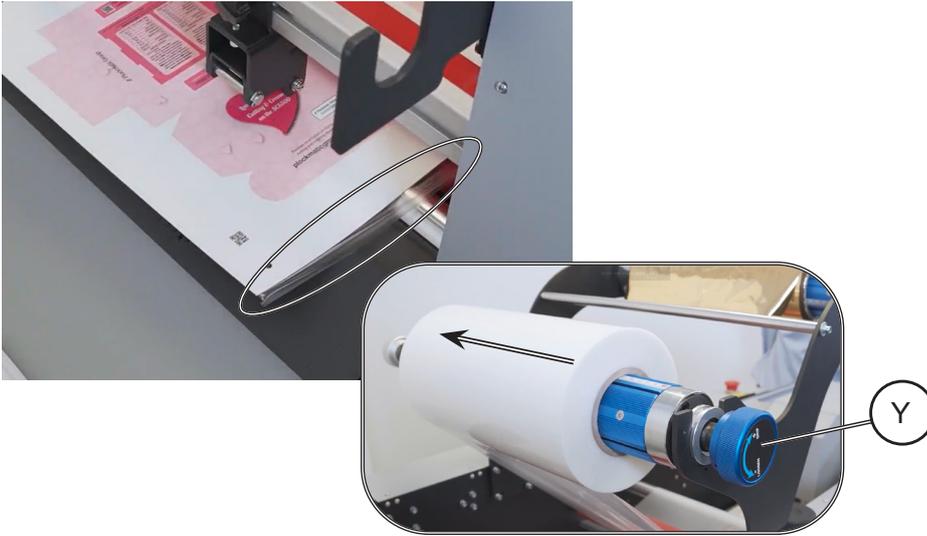
1



25. If the sheets are failing to burst, reduce the sheet length on the screen by 2-3 mm compared to the actual sheet length to create an overlap between the sheets while they are being burst.

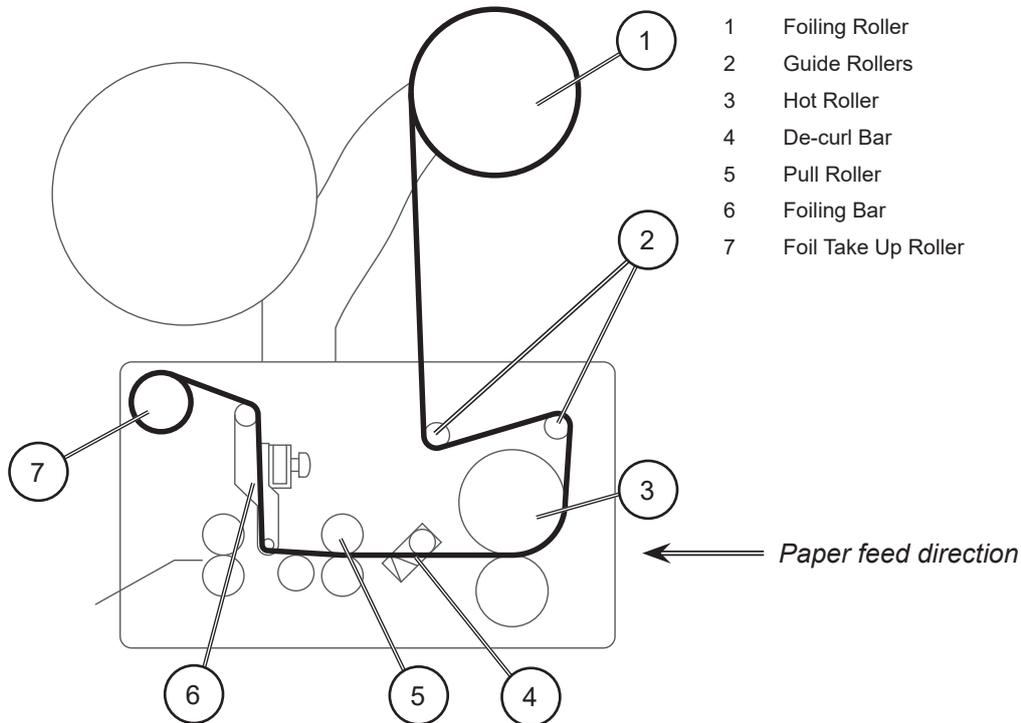
Webbing for laminate, continued

1

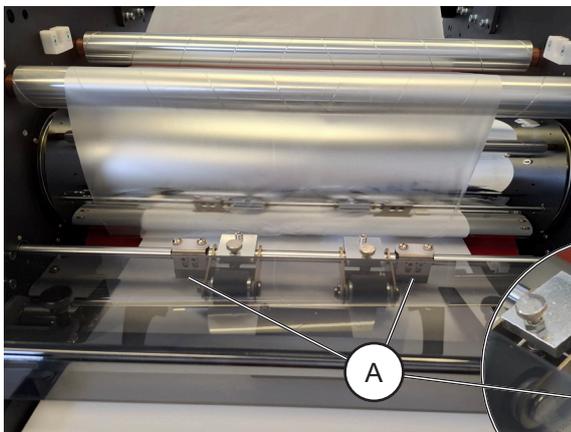


Webbing for foil after laminating

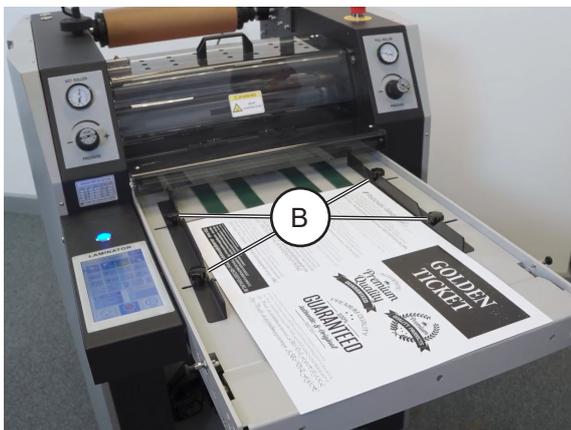
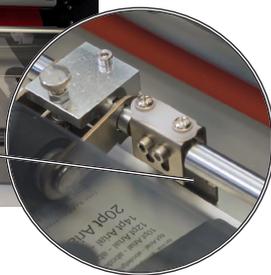
NOTE: If the machine is already webbed for laminating, the operator can easily switch to foiling. Otherwise, proceed to the next Section "Webbing for foil".



- 1 Foiling Roller
- 2 Guide Rollers
- 3 Hot Roller
- 4 De-curl Bar
- 5 Pull Roller
- 6 Foiling Bar
- 7 Foil Take Up Roller



1. Turn on the main power.
2. Place a blank sheet on the delivery table, ensuring the short edge is against the gate [A] and the sheet is centered.

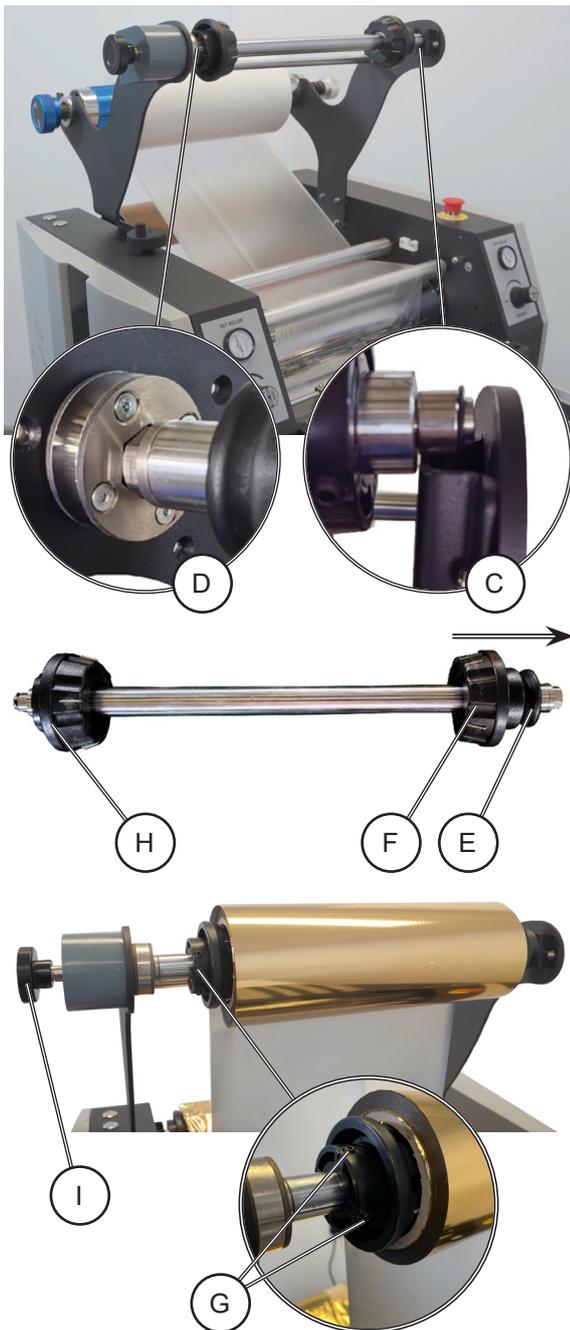


3. Use the adjustment knobs [B] to set the side guides slightly wider than the width of the paper.

Continued on next page...

Webbing for foil after laminating, continued

1



- To remove the foiling roller from the arm brackets, lift the right side [C] first, then remove the other end from the hex key hole [D] on the left arm.

- Pull out the fixing pin [E] from the right end of the foiling roller clamp [F], then remove the clamp.
- Place the foil onto the foiling roller, reattach the clamp, and secure the roller in the brackets by repeating Step 5 in reverse order.
- To center the foil roll with the rollers, loosen the Allen bolts [G] (2x) on the left side clamp [H] to move it forward or backward. Pull the right side clamp [F] out of the foil roll and adjust both clamps until the foil roll is aligned. Insert both clamps into the roll and tighten the Allen bolts [G] (2x) on the left side clamp.
- Turn the handwheel [I] clockwise to increase tension on the foiling roller, or counterclockwise to decrease it.

NOTE: Ensure that the foil is properly positioned on the roller. The foil should be feeding off the roller towards the rear of the machine. The matte side of the foil must not come into contact with the surface of the heated roller.

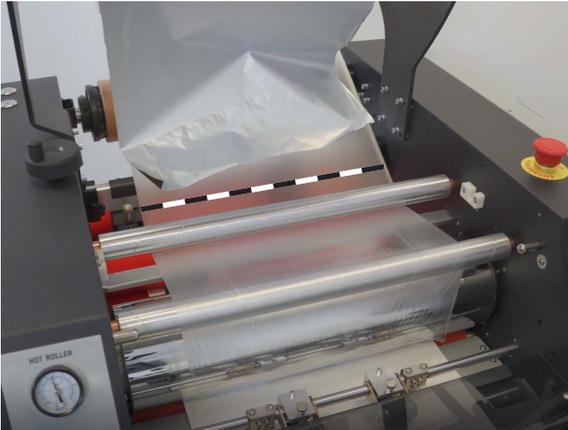
- Remove the protective cover by pressing the latch button [J] to unlock it.

Warning:

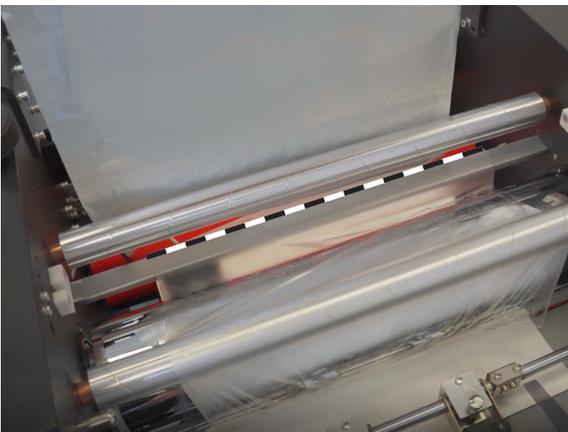
Do not touch the surface of the hot roller with your hands during operation to prevent burns.

Webbing for foil after laminating, continued

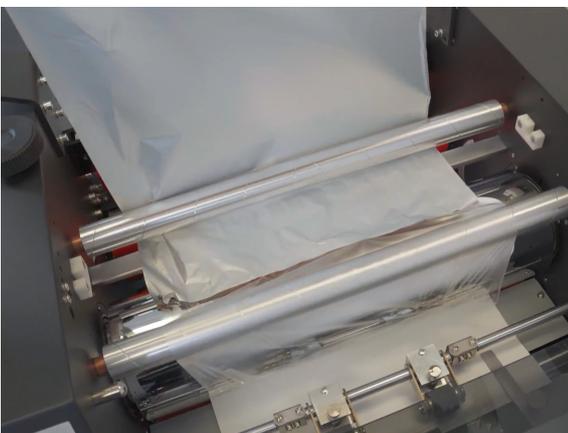
1



10. Pull the foil down and cut the film along the guide roller, as shown.



11. Hold the cut end of the film and place it on top of the support bar and the hot roller.



12. Pull the foil under the guide roller and press it onto the adhesive side of the laminate.



13. Put the protective cover back on and lock the protective switch, then clear the error message by pressing the [OK] button.



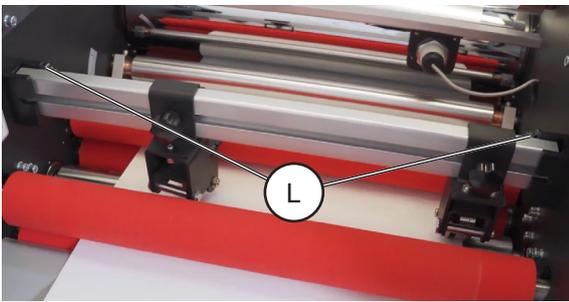
Continued on next page...

Webbing for foil after laminating, continued

1



14. Turn on the air pump [K].
15. Press the [LOADING] button to feed the first sheet into the machine. Continue loading until the other end of the sheet passes the gate.
16. Place the next sheet against the gate and continue loading until the foil passes the pull roller.



17. Loosen the screws [L] on both sides of the laminating bar and remove it.



18. Cut the foil as shown.

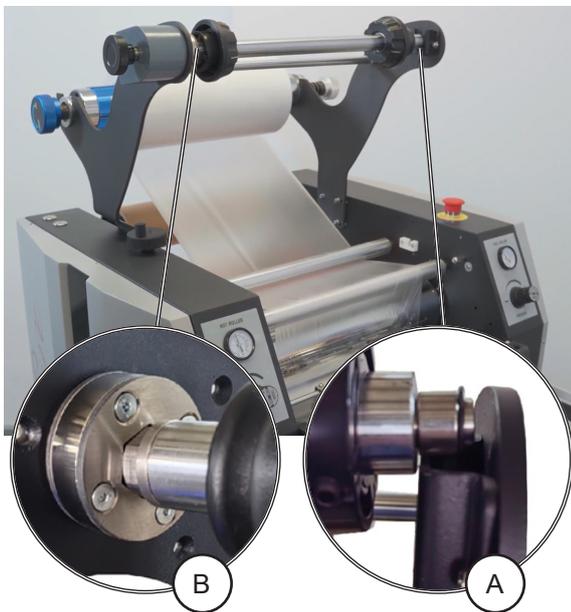
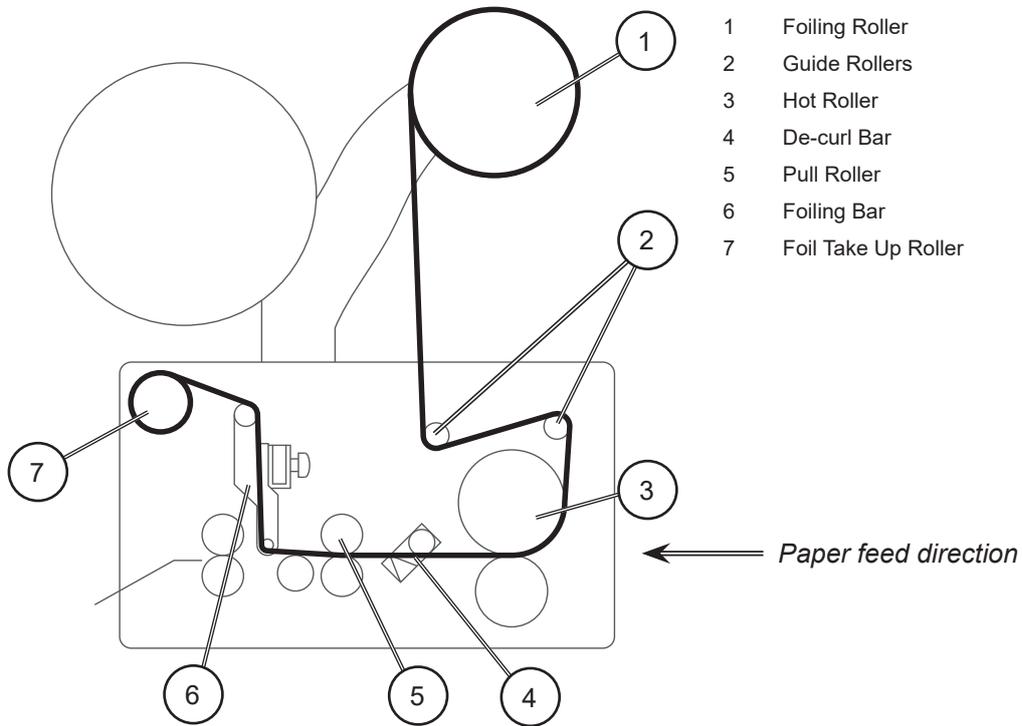


19. Peel the cut end of foil off the laminated sheet and pull the foil forward while pressing the [LOADING] button.

NOTE: If the foil tears, make sure the rest of the foil comes off the laminate to prevent the tear from spreading along the entire length.

Webbing for foil

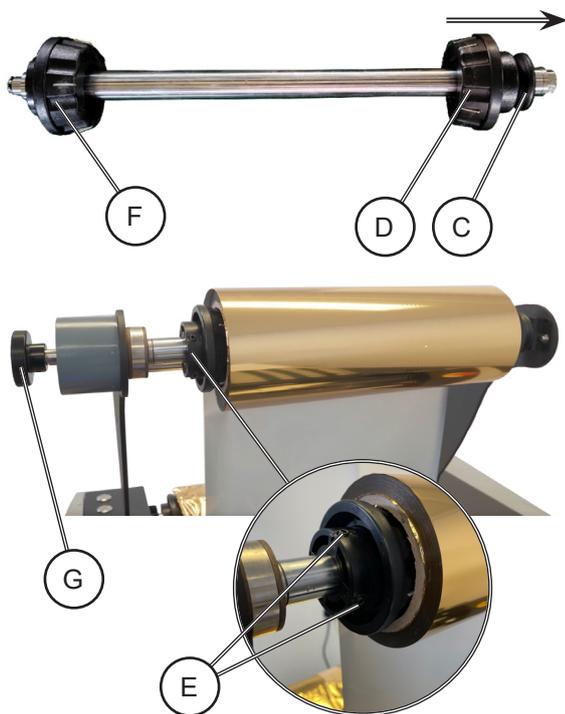
1



1. Turn on the main power.
2. To remove the foiling roller from the arm brackets, lift the right side [A] first, then remove the other end from the hex key hole [B] on the left arm.

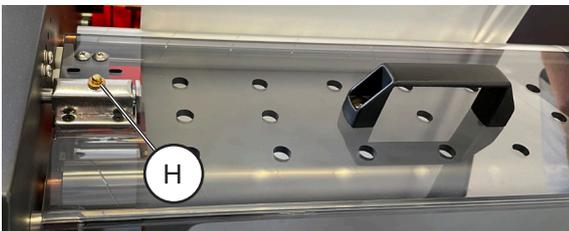
Webbing for foil, continued

1



3. Pull out the fixing pin [C] from the right end of the foiling roller clamp [D], then remove the clamp.
4. Place the foil onto the foiling roller, reattach the clamp, and secure the roller in the brackets by repeating Step 3 in reverse order.
5. To center the foil roll with the rollers, loosen the Allen bolts [E] (2x) on the left side clamp [F] to move it forward or backward. Pull the right side clamp [D] out of the foil roll and adjust both clamps until the foil roll is aligned. Insert both clamps into the roll and tighten the Allen bolts [E] (2x) on the left side clamp.
6. Turn the handwheel [G] clockwise to increase tension on the foiling roller, or counterclockwise to decrease it.

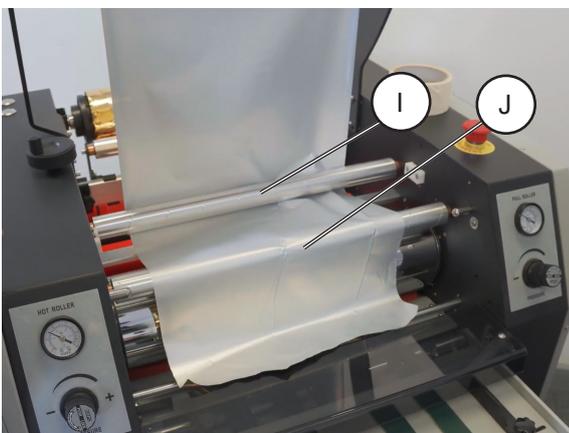
NOTE: Ensure that the foil is properly positioned on the roller. The foil should be feeding off the roller towards the rear of the machine. The matte side of the foil must not come into contact with the surface of the heated roller.



7. Remove the protective cover by pressing the latch button [H] to unlock it.

Warning:

Do not touch the surface of the hot roller with your hands during operation to prevent burns.



8. Pull the foil down, wrap it under the first guide roller [I] and over the second guide roller [J], and place it over the hot roller as shown.

Continued on next page...

Webbing for foil, continued

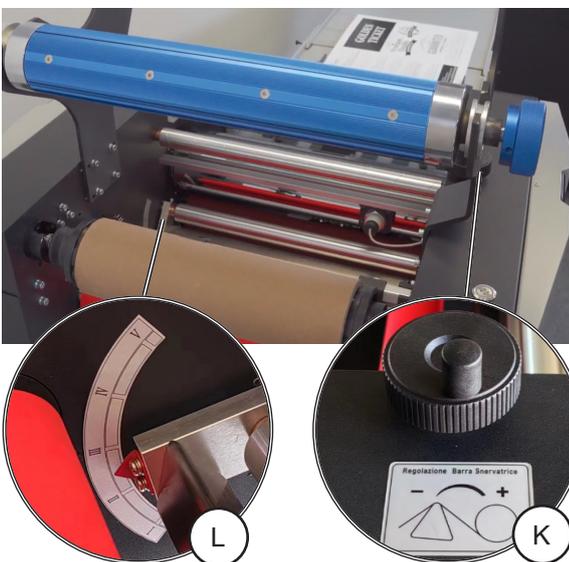
1



- Use a blank sheet to press the foil down into the hot roller until it is tensioned. Do not remove the sheet.



- Put the protective cover back on and lock the protective switch, then clear the error message on the screen by pressing the [OK] button.



- To make it easier to web the foil, turn the handwheel [K] counterclockwise to set the de-curl bar to its lowest position. Make sure the arrow [L] on the de-curl bar points to "I" on the scale (I to V).

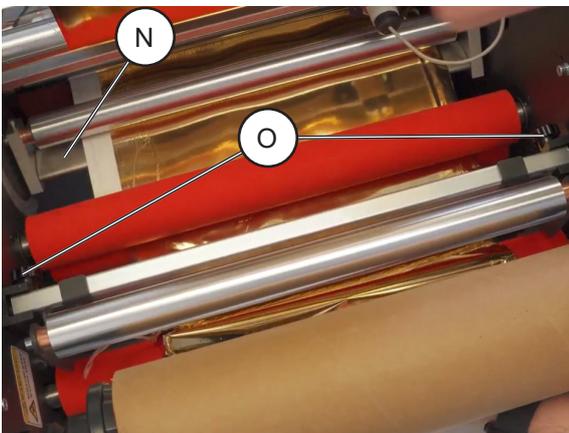
Webbing for foil, continued

1



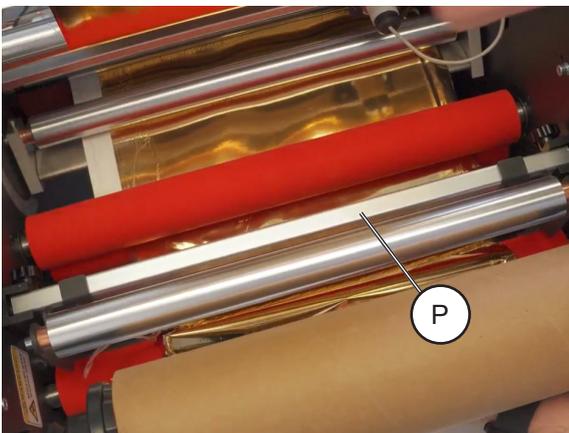
12. Ensure that pull roller is in the open state (disabled on the screen).

13. Turn on the air pump [M].



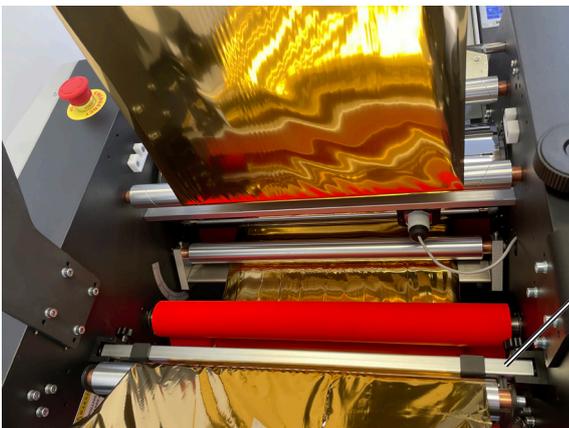
14. Press the [LOADING] button to load the blank sheet into the machine. Continue loading until the foil passes the pull roller, ensuring the foil goes through the de-curl bar [N].

15. Loosen the screws [O] on both sides of the foiling/laminating bar and remove it.

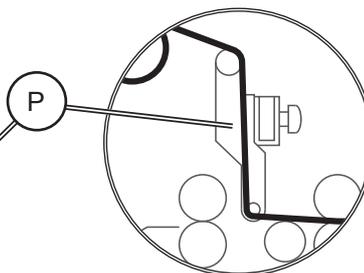


16. Peel the foil from the sheet and pull the foil forward while pressing the [LOADING] button.

17. Install the foiling bar [P] and tighten the screws on each side.



18. Place the foil through the foiling bar [P] as shown (see webbing diagram for the correct webbing path). Press and hold the [LOADING] button while pulling the foil upwards.



Continued on next page...

Webbing for foil, continued

1

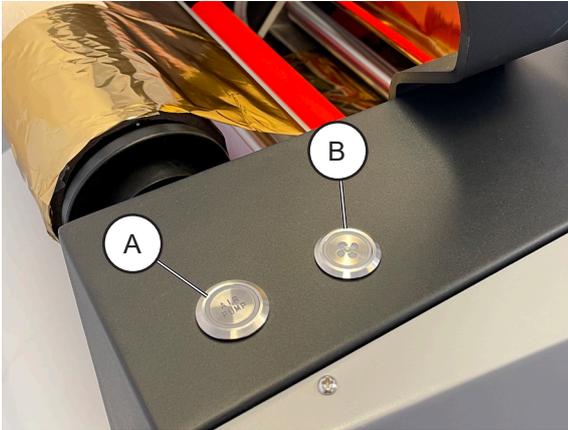


19. Tape the foil to the foil take up roller as shown.

20. Turn off the air pump and remove the webbing sheet.

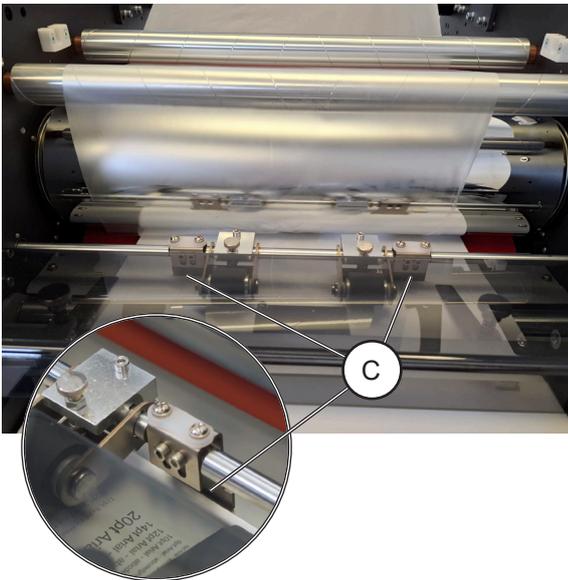
2. Operating with laminate and foil

Operating with laminate



1. Turn on the main power.
2. Turn on the air pump [A] and fan [B].
3. Adjust the settings on the screen: set the temperature between 80 °C and 130 °C (it is recommended to set the temperature to 105 °C for laminating, but you may need to modify it according to the purchased material's specification), set the length to match the sheet size, enable burst mode to separate the sheets, and activate the pull roller.

NOTE: For the best lamination results, wait until the hot roller has warmed up to the set temperature and the thermometer on the screen displays green.



4. Place a blank sheet on the delivery table, ensuring the short edge is against the gate [C] and the sheet is centered.

NOTE: Blank/waste sheets of the same size and specification as the final product should be used at the beginning and end of the laminating process to prevent waste and avoid issues caused by incorrect parameter adjustments before producing the final product.



5. Adjust the side guides using the knobs [D] to help guide the sheets into the machine.

Continued on next page...

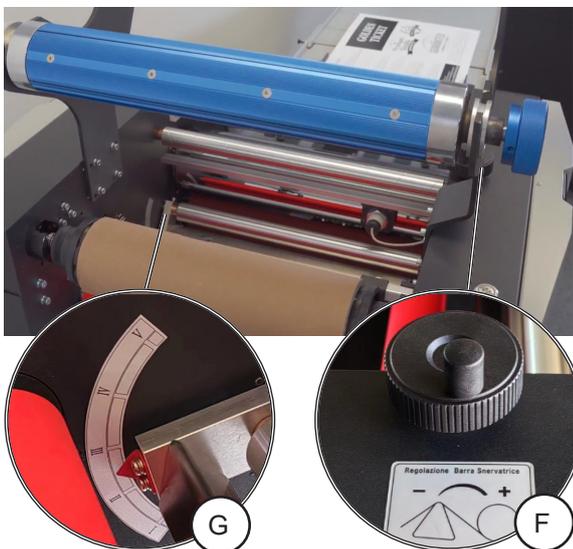
Operating with laminate, continued

2



6. Press [RUN] to start laminating. Place another blank sheet against the gate when the indicator light [E] turns blue.

NOTE: The machine has a paper feeding indicator light. When the red light is on, paper cannot be placed against the gate and fed. When the blue light is on, paper can be placed against the gate.



7. After laminating the first blank sheets and checking them, adjust the de-curl bar if required.

Turn the handwheel [F] clockwise to raise the de-curl bar and increase the de-curl, or counterclockwise to lower it and reduce the de-curl. An arrow [G] on the de-curl bar shows the de-curl scale from I to V.

NOTE: If the media is curling up at the ends, increase the de-curl value. If the media is curling down at the ends, the de-curl value is too high and should be decreased.

8. Adjust burst position and overlap if needed.

It is recommended to keep the burst position at 0 unless you experience issues with the media.

- For thinner media, increase the burst position to move it closer to the burst roller and away from the perforation wheel. Thinner sheets burst later to prevent them from slipping between the rollers after bursting.
- For thicker media, decrease the burst position to move it away from the burst roller.

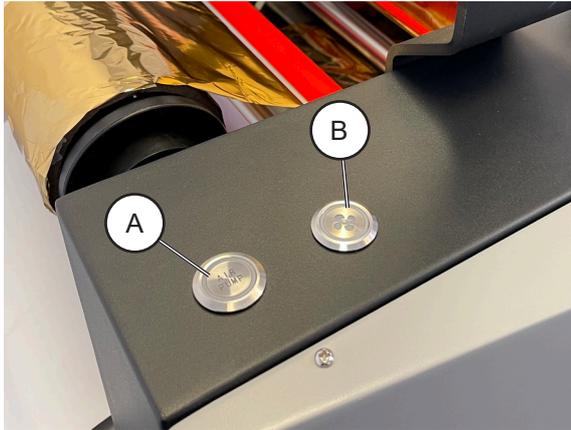
It may be necessary to reduce the sheet length on the screen by 2-3 mm compared to the actual sheet length to create an overlap between the sheets while they are being burst.

9. After making adjustments and achieving the desired result, increase the speed as needed, within the range of 1 m/min to 15 m/min.
10. When the lamination job is finished you can stop the process in two ways:
- Press the [STOP] button to stop the laminating process, regardless of the current state of the sheets in the machine.
 - Feed 2-3 blank sheets after the final sheet is fed to complete the job and allow it to pass fully through the machine by letting the machine run out of sheets.

NOTE: The machine stops when there are no sheets on the delivery table against the gate.

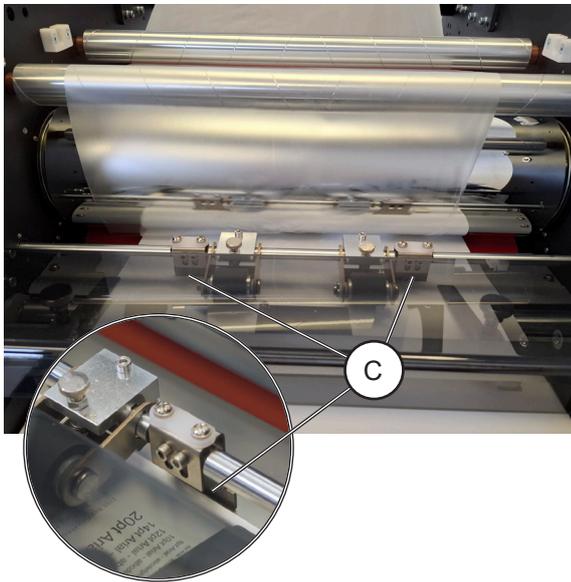
11. Turn off the air pump and fan.

Operating with foil



1. Turn on the main power.
2. Turn on the air pump [A] and fan [B].
3. Adjust the settings on the screen: set the temperature between 80 °C and 130 °C (it is recommended to set the temperature to 115 °C for foiling, but you may need to modify it according to the purchased material's specification) and set the length to match the sheet size. Make sure burst mode and the pull roller are disabled.

NOTE: For the best foiling results, wait until the hot roller has warmed up to the set temperature and the thermometer on the screen displays green.



4. Place a blank sheet on the delivery table, ensuring the short edge is against the gate [C] and the sheet is centered.

NOTE: Blank/waste sheets of the same size and specification as the final product should be used at the beginning and end of the foiling process to prevent waste and avoid issues caused by incorrect parameter adjustments before producing the final product.



5. Adjust the side guides using the knobs [D] to help guide the sheets into the machine.

2

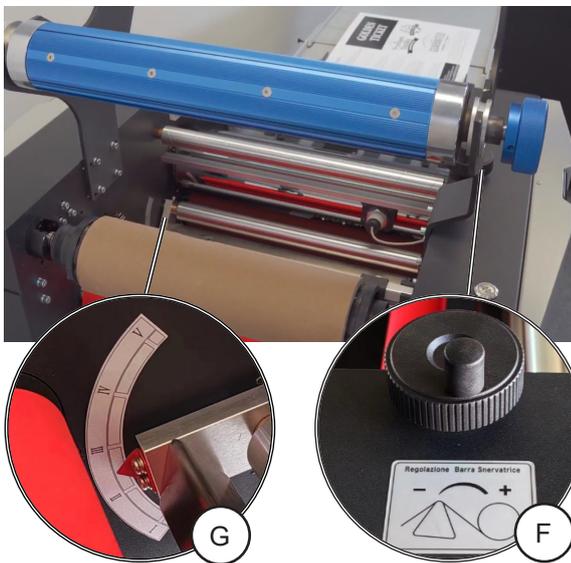
Operating with foil, continued

2



6. Press [RUN] to start foiling. Place another blank sheet against the gate when the indicator light [E] turns blue.

NOTE: The machine has a paper feeding indicator light. When the red light is on, paper cannot be placed against the gate and fed. When the blue light is on, paper can be placed against the gate.



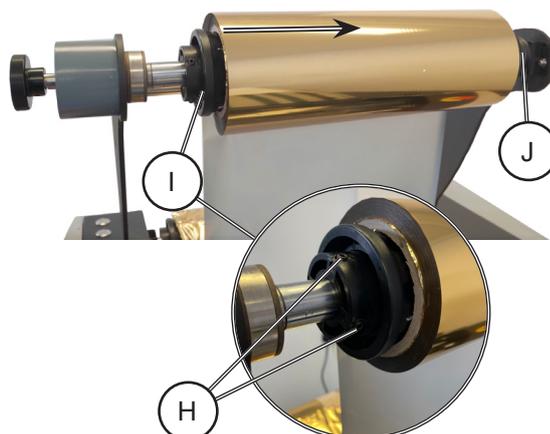
7. After foiling the first blank sheets and checking them, adjust the de-curl bar if required.

Turn the handwheel [F] clockwise to raise the de-curl bar and increase the de-curl, or counterclockwise to lower it and reduce the de-curl. An arrow [G] on the de-curl bar shows the de-curl scale from I to V.

NOTE: If the media is curling up at the ends, increase the de-curl value. If the media is curling down at the ends, the de-curl value is too high and should be decreased.



8. If the foil is not covering the entire sheet, loosen the Allen bolts [H] (2x) on the left-side clamp [I] of the foiling roller to move it forward or backward. Pull the right-side clamp [J] out of the foil roll and adjust both clamps to move the foil roll toward the uncovered side of the sheet. After making the adjustment, reinsert both clamps into the roll and tighten the Allen bolts [H] (2x) on the left-side clamp. Run 3–4 sheets through the machine to allow the changes to take effect.



Operating with foil, continued

9. After making adjustments and achieving the desired result, increase the speed as needed.

NOTE: It is recommended not to exceed a speed of 2 m/min.

10. When the foiling job is finished you can stop the process in two ways:

- Press the [STOP] button to stop the foiling process, regardless of the current state of the sheets in the machine.
- Feed 2-3 blank sheets after the final sheet is fed to complete the job and allow it to pass fully through the machine by letting the machine run out of sheets.

2

NOTE: The machine stops when there are no sheets on the delivery table against the gate.

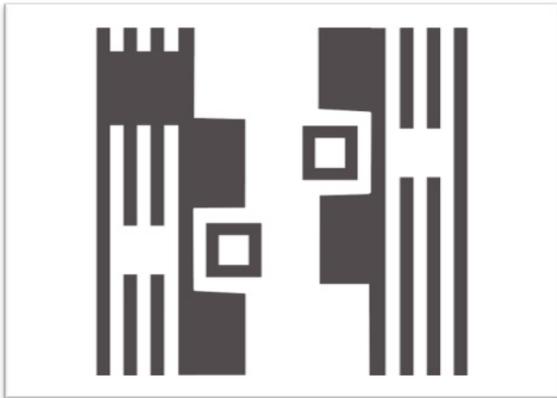
11. Turn off the air pump and fan.

Examples of application

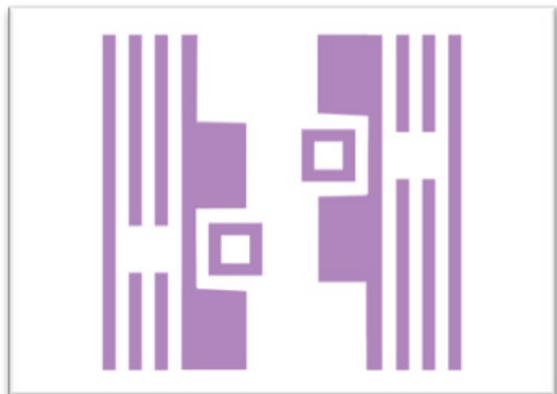
Print - Foil - Print

This method is used to create a combination of metallic or colored finishes in specific areas of media using foil, while leaving other areas with regular print. It is commonly used in packaging, premium printed materials, invitations, business cards, and other high-quality printed products that require detailed designs and additional decorative effects.

2



1. Print the area that you want to foil.



2. Run the sheet through the laminator to foil the previously printed areas.



3. Once the media has been foiled, run the sheet through the printer again to print on the areas left blank after foiling.



Print - Laminate - Print - Foil

This technique is used to combine printed designs, overprintable laminates, and foil accents to achieve a high-quality finish. This process is often used for high-end packaging, labels, and other products where premium effects like foil highlights are desired, along with durability provided by the laminate.



1. Print your base design onto a sheet.

2



2. After the design is printed, laminate the sheet with an overprintable laminate.



3. Print over the laminated sheet with additional design elements (like text or graphics).



4. Run the sheet through the laminator again to foil the previously printed areas.

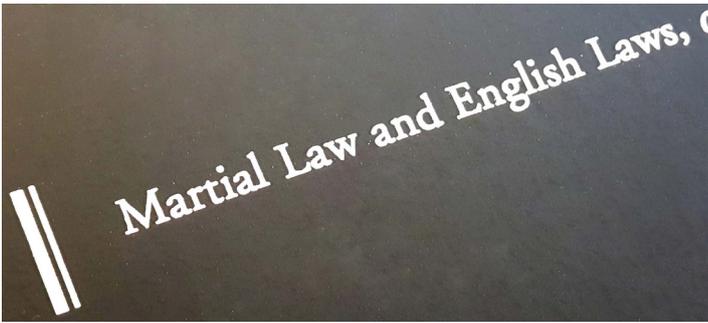
Page Intentionally Blank

3. Troubleshooting

Foiling / film issues

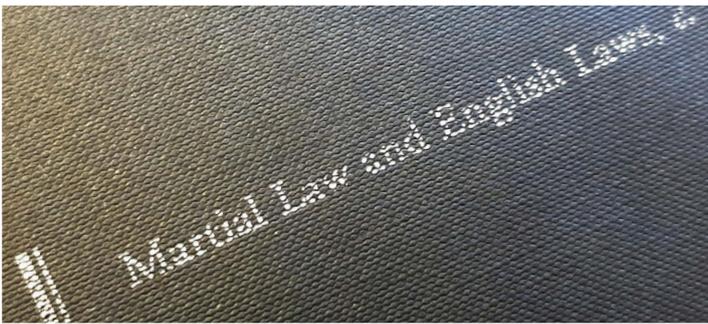
Visual Guide to Foil Quality

Smooth foil with good result



Gloss papers or silk papers provide the best results when foiling. If you have difficulty foiling a media, always use a smooth stock to check your image. Uncoated stocks require higher toner levels to perform well.

Foil on textured linen media



Textured papers will not provide good results. Often, these will have poor foil transfer, with foil adhering only to the peaks of the paper's texture.

Foil with temperature too high



If the heat is too excessive, the toner can lift off the media, resulting in missing foil areas.

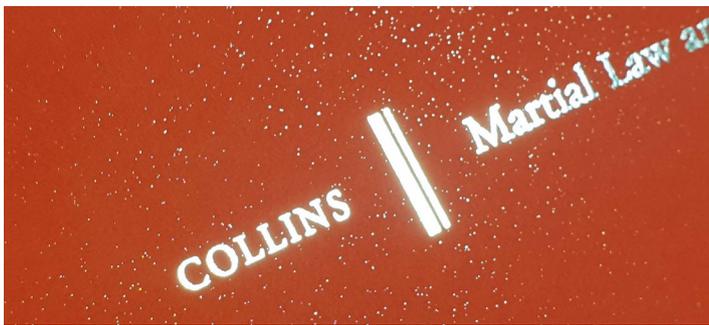
Foil with regular pattern in the background (printer security mark)



Most CMYK printers add a hidden security mark in the yellow channel to prevent forgery. This mark identifies the printer's manufacturer and serial number. It is usually not visible to the naked eye, but becomes visible when foiled. If you see a regular pattern, it is likely from your printer's security mark. To avoid this, switch the printer to monochrome mode. In this mode, the CMY channels are lifted, which reduces running costs and removes the security mark.

Visual Guide to Foil Quality, continued

Foil on media with non-compatible coating (irregular background pattern)



Some media may attract a background from the printer or naturally have a coating that is adhesive to the foil, which can cause random dots in the background. Test with a blank sheet of known good media to ensure that, under normal conditions, your media does not attract foil. Then, pass a blank sheet of the suspect media through the foiling machine (do not print on it). If your chosen media attracts a background without going through the printer, the issue is likely with the media. If the media is clean, the problem may be with your printer.

3

Foiling Issues

Trouble type	Cause of trouble	Solution
The foil is not smooth, with wrinkles or creases in flat areas.	The paper is too thin and wrinkles when heated for foiling.	Use a thicker paper – 120 gsm - 150 gsm.
	Temperature too high, foil is distorting due to heat.	Lower the temperature. Most toners melt between 105 °C - 120 °C (230 °F - 248 °F). Some foil colors absorb heat differently, so the best temperature may change depending on the color. As a starting point, it is suggested to use 115 °C (239 °F) for most cases. Note: Temperature can also be affected by the speed or pressure of your foiling device.
	Foil was not webbed straight and is being re-wound at an angle to front foil.	The most common cause of foil wrinkles is the supply roll being misaligned with the rewind/waste foil roller. This misalignment causes the foil to shift sideways during operation, leading to wrinkles. To fix this, check the position of the foil edge on the front roller by measuring the distance to the back chassis. Then, measure the rear roller to the back chassis. Adjust the rolls so they are aligned in the same position. Allow 3–4 sheets to run through the machine after making adjustments for the changes to take effect.
	Pressure is too high.	When foiling porous papers, users often increase pressure, thinking it will help the foil adhere to the toner. However, excessive pressure can damage the machine and cause wrinkles in the media. For ColorFlare systems, the maximum pressure is 960 g, applied via a lever mechanism. The air pressure gauge should be set between 0.5 MPa and 0.6 MPa. Higher pressures can distort the lower roller and create wrinkles. Reduce the pressure if needed. For very thin stock, lower pressures down to 0.35 MPa may work better.
The foil does not cover toner, with holes in foil coverage (toner can be seen through foil).	Temperature is too low.	The toner must reach a high enough temperature to start melting and become sticky. If the temperature is too low, the toner will not be sticky enough to pull the foil from the carrier film. Ensure the machine has reached the set temperature. Some foil colors absorb heat differently, so the best temperature may change depending on the color. As a starting point, it is suggested to use 115 °C (239 °F) for most cases. Note: Temperature can also be affected by the speed or pressure of your foiling device.
	Toner density is too low.	Toner works like glue. If toner coverage is low, there is less glue. Increase toner density or apply toner twice (200% coverage) to the area to be foiled.

Continued on next page...

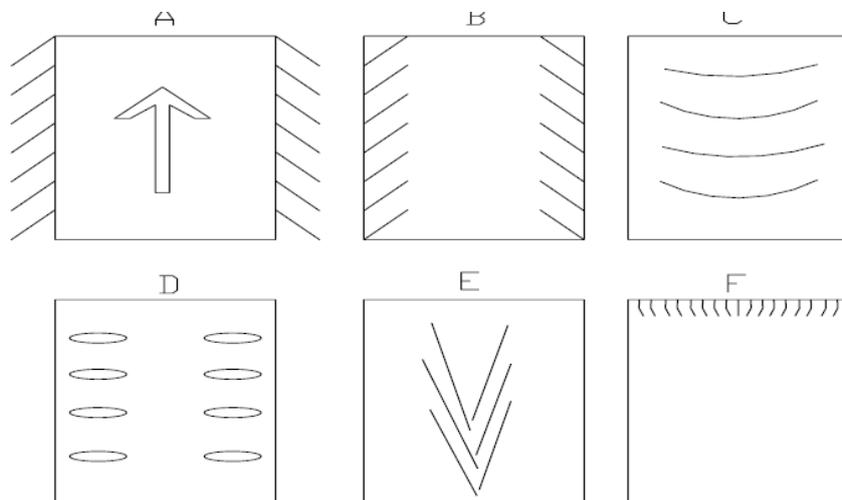
Foiling Issues, continued

3

Trouble type	Cause of trouble	Solution
The foil does not cover toner, with holes in foil coverage (toner can be seen through foil).	Speed is too high.	The temperature shown for the hot roller is the temperature it is set to. This temperature is typically measured when the machine is running at a low speed (about 25-30% of its normal speed). If you increase the machine speed, the hot roller temperature stays the same, but the temperature transferred to the toner may become too low. To achieve the best results, reduce the speed. It is suggested not to exceed a speed of 2 m/min when foiling.
	Pull roller is not released.	When foiling, ensure the pull roller is in the up position.
	Paper is not smooth.	If the paper has too much texture, the foil cannot deform to match the paper surface and may break. Try using more toner to fill the gaps or increasing the pressure. You can also try using smoother paper.
	Media is too thick.	The maximum media thickness for foil is 400 gsm. Use thinner media.
	Hot roller or pressure roller is dirty.	Check the hot roller for glue residue and clean it if needed. Also, check the lower pressure roller and clean it if necessary.
	Insufficient pressure.	Increase the pressure. If the pressure is too low, the foil will not stick to the toner. The recommended pressure for foiling is between 0.5 MPa and 0.6 MPa.
	Foil is not webbed correctly and goes over de-curling roller.	When foiling, the foil carrier should be removed from the media as late as possible to allow the toner to cool and bond to the foil. Removing the foil too soon can cause it to lift before the toner has properly bonded. One common cause of early foil lifting is incorrect webbing. Make sure the foil goes under the de-curl roller but over the de-curl bar. Sometimes, the media may pass over both, causing the foil to be pulled off before the toner has cooled.
	Paper dust or debris on media.	Use in a clean environment with clean media.
The foil is not covering the entire sheet.	Foil was not webbed straight and is misaligned with loaded sheets.	Loosen the tightening handwheel on foiling roller and move the foil roll toward the uncovered side of the sheet. Run 3–4 sheets through the machine to allow the changes to take effect.

Laminating Issues

No.	Trouble Type	Cause of Trouble	Solution
1.	Laminated material de-curls.	Excessive tension on the laminating roller. Insufficient tension on the laminating roller.	Reduce tension using the film tension adjustment handwheel. Increase tension using the film tension adjustment handwheel.
2.	The film overlaps the laminated sheet.	Film was not webbed straight and is misaligned with loaded sheet.	Loosen the tightening handwheel on laminating roller and adjust the laminating roll by moving it in the opposite direction of the overlap to realign the film and sheet. Run 3-4 sheets through the machine to allow the changes to take effect.
3.	Sheets are not bursting.	There is no gap between the sheets.	Reduce the sheet length on the screen by 2-3 mm compared to the actual sheet length.
2.	Symptom "A".	The hot roller pressure is too low.	Increase the hot roller pressure.
3.	Symptom "B".	The hot roller pressure is too high.	Decrease the hot roller pressure.
4.	Symptom "C".	The hot roller pressure is too high.	Decrease the hot roller pressure.
5.	Symptom "D".	The hot roller pressure is too low.	Increase the hot roller pressure.
6.	Symptom "E".	The hot roller temperature is too high. The pull roller temperature is too high.	Lower the hot roller temperature. Turn off the power and allow the machine to cool down for 30 minutes.
7.	Symptom "F".	The hot roller temperature is too high.	Lower the hot roller temperature.



Equipment issues

No.	Trouble Type	Cause of Trouble	Solution
1.	Machine is not powering on.	Power switch is in the "OFF" position. Circuit breaker has tripped. Fuse is disconnected or blown. Machine is not properly grounded.	Check if the power switch is set to "ON." If the circuit breaker has tripped, reset it or contact your dealer. Replace the 250V/5A fuse included with the product. Ensure the machine is correctly grounded.
2.	Hot roller is not working.	Emergency stop button is activated. Hot roller pressure is not set correctly. The hot roller cover is removed. The protective switch on the hot roller cover is not locked.	To reset the emergency stop button rotate it clockwise direction and pull it back upwards to its original position. Adjust the hot roller pressure. Put the protective cover back in place. Lock the protective switch on the hot roller cover.
3.	Rewind/waste foil roller not working.	Low pressure on the rewind/waste foil roller. Chain is damaged.	Increase the pressure on the rewind/waste foil roller using the tension adjustment handwheel. Contact your dealer.

Page Intentionally Blank

4. Remarks

Do's and Don'ts

- Always follow all warnings marked on, or supplied with, the equipment.
- Always exercise care in moving or relocating the equipment.

Caution:

Unplug the power cord from the wall outlet and machine before you move or relocate the equipment.

- Do not remove the covers or guards that are fastened with screws.
- Do not override or bypass electrical or mechanical interlock devices.
- Do not operate the equipment if you notice unusual noises or odours. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

NOTE: The domestic environment is an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m (393.7") of the apparatus concerned.

- Do not switch off the power while the machine is running. Make sure the machine cycle has ended.
- Do not open covers while the machine is running.
- Do not move machine while the machine is running.
- Do not make arbitrary changes to the machine.
- Do not sit or step on the feed extension. Extension table will break or machine will tilt over. The maximum load for the feed extension is 15 kg (33.1 lb).

Where to put Your Machine

Machine Environment

- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine
- Always keep magnets and all devices with strong magnetic fields away from the machine

If the place of installation is air-conditioned or heated, do not place the machine where it will be:

- Subjected to sudden temperature changes
- Directly exposed to cool air from an air-conditioner
- Directly exposed to heat from a heater

Power Connection

- **Always** connect the equipment to a properly grounded power source. If in doubt, have the power source checked by a qualified electrician.

Warning:

Improper grounding of the equipment can result in electrical shock.

- **Never** connect the machine to a power source that lacks a ground connection terminal. A missing ground will cause damage to electronics and cause machine malfunctions.

Maintaining Your Machine

Never attempt any maintenance function that is not specifically described in this documentation.

Cleaning of rollers

Keep the chrome roller and lower pressure roller clean from glue, toner, and foil residue to prevent film or foil from sticking to the rollers, contamination of the media, and marks on laminated or foiled media.

Wipe the rollers daily with high-purity alcohol. Avoid using corrosive liquids as they can damage the rollers, and always use a soft, dry cloth for cleaning. If you are using a spray to clean the rollers, spray it onto a cloth and away from the machine. Do not spray directly onto the hot roller, as this may result in excessive fumes.

Before cleaning the rollers, turn off the machine and disconnect the power cord, and wait for the hot roller to cool down. If cleaning the hot roller, it is easier to do it when it is hot since the residue will come off easier.

Warning:

Do not touch the surface of the hot roller with your hands during operation to prevent burns.

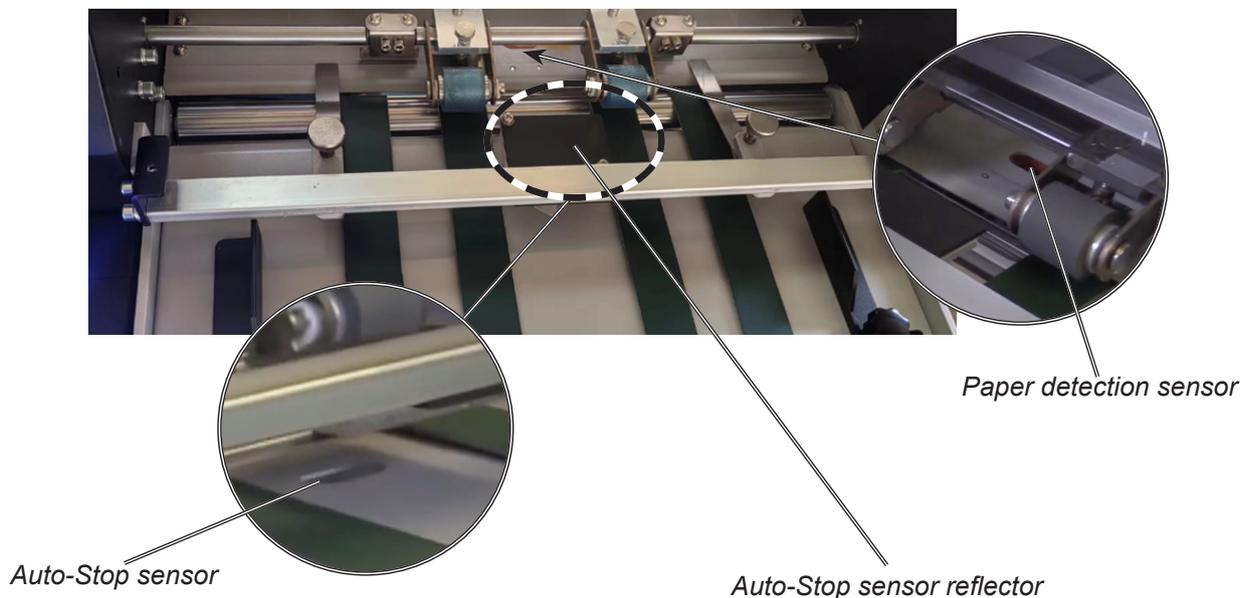
NOTE: To clean the lower pressure roller more easily, raise the de-curl bar to its highest position, which will allow better access underneath to clean the roller.

Cleaning of sensors

The sensors and reflector need to be cleaned every day, more frequent cleaning may be required depending on media type. Using a lint free cloth, compressed air or soft bristled brush clean the sensors and reflector. Turn off the machine and disconnect the power cord before performing any procedures.

Caution:

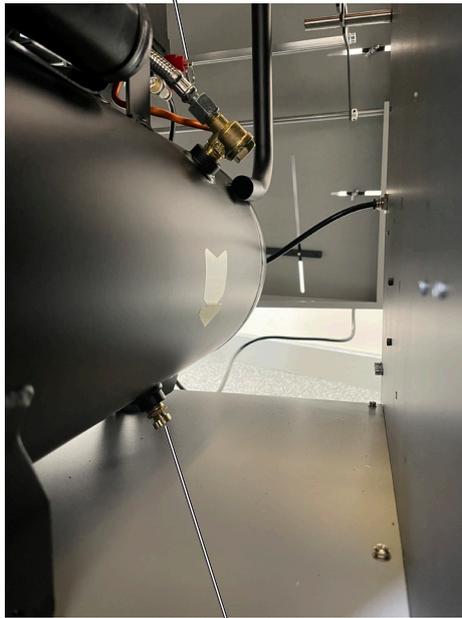
Never use cleaning fluids on sensors.



Draining compressor

Drain the compressor daily to prevent tank corrosion, moisture buildup, and to keep the compressor operating efficiently. Turn off the compressor and let it cool before draining. Be cautious of hot and pressurized components. Release any remaining air pressure by opening the pressure release valve. Locate and open the drain valve at the bottom of the tank to let out any moisture that has accumulated. Use a suitable container to collect the drained fluid. Allow the moisture to fully drain, then close the drain valve tightly. After draining, check the system for any leaks or other issues that may need fixing before starting the compressor again.

Pressure release valve



Drain valve

CF2000 Best Practices

- Use smooth media for best results.
- Print in grayscale for foiling (printers add small yellow dots for security, which are invisible to the eye but will be foiled. To avoid this, do not print foiling jobs in CMYK; use grayscale instead, if possible).

CF2000 Limitations

- Some colored media may pick up foil, causing incorrect areas to be foiled.

5. Specifications

	Specifications	Remarks
Minimum paper size, W × L	200 × 300 mm / 7.87 × 11.81"	
Maximum paper size, W × L	390 × 1200 mm / 15.35 × 47.24"	
Media thickness	150 gsm to 400 gsm	
Laminate/foil thickness	20 - 250 micron	
Lamination speed	1 m/min - 15 m/min	
Laminating temperature, min - max.	80 - 130 °C / 176 - 266 °F	Recommended temperature for foiling: 115 °C / 239 °F
Laminate/foil core size	Ø 76 mm / 3"	
Power supply	220-240V 50/60Hz 3200W	
Dimensions (L × H × D)	860 × 1136 × 760 mm / 33.9 × 44.7 × 29.9"	
Weight (unpacked)	210 kg / 463 lbs	

Declaration of Conformity



EU & UK DECLARATION OF CONFORMITY [1]

No. [2] **N0007939 (A.2)**

Manufacturer [3] Plockmatic International AB, Telefonvägen 30, S-126 26 Hägersten, Sweden

This Declaration of Conformity is issued under the sole responsibility of the manufacturer [4]

Object of the Declaration [5] (Including all accessories)	
Model/Type [6]	CF2000
Name [7]	ColorFlare CF2000
Description [8]	Semiautomatic Laminator

5

The object of the declaration is in conformity with the requirements of the following documents [9]

EU Directive [10]	Standard [11]
(MD) 2006/42/EU <i>S.I. 2008/1597</i>	EN 60204-1, EN ISO 12100:2010, EN ISO 13849-1:2015,
(EMC) 2014/30/EU <i>S.I. 2016/1091</i>	BS EN 55032:2015 + A11:2020 (Class A), BS EN 55035:2017 + A11:2020, BS EN ISO 61000-3-2:2019 + A1:2021, BS EN 61000-3-3:2013 + A1:2019 + A2:2021
(RoHS) 2011/65/EU <i>S.I. 2012/3032</i>	EN 62321:2009, EN 63000:2018

Additional information [12]

Signed for and on behalf of [13] Hägersten, 2025-02-11 15:37

 Bengt Olenfalk
Group Quality Manager

БЪЛГАРСКИ: 1) ЕС Декларация за съответствие; 2) Номер; 3) Производител; 4) Настоящата декларация за съответствие е издадена на отговорността на производителя; 5) Предмет на декларацията; 6) Модел/Тип; 7) Назначение; 8) Описание; 9) Предметът на декларацията, описан по-горе, отговаря на съответното законодателство на Съюза за хармонизация; 10) Директива; 11) Стандарт; 12) Допълнителна информация; 13) Подписано за и от името на ЧЕШСКИ: 1) EU Prohlášení o shodě; 2) Číslo; 3) Výrobce; 4) Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce; 5) Předmět prohlášení; 6) Model/Typ; 7) Označení; 8) Popis; 9) Výše popsaný předmět prohlášení je ve shodě s příslušnými harmonizačními právními předpisy Unie; 10) Směrnice; 11) Norma; 12) Dodatečné informace; 13) Podepsáno za a jménem na DANSK: 1) EU-Overensstemmelseserklæring; 2) Nummer; 3) Producent; 4) Denne overensstemmelseserklæring udstedes på fabrikantens ansvar; 5) Erklæringens genstand; 6) Model/Type; 7) Betegnelse; 8) Beskrivelse; 9) Genstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Yderligere information; 13) Underskrevet for og vegne DEUTSCH: 1) EU-Konformitätserklärung; 2) Nummer; 3) Hersteller; 4) Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller; 5) Gegenstand der Erklärung; 6) Modell/Typ; 7) Bezeichnung; 8) Beschreibung; 9) Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union; 10) Richtlinie; 11) Standard; 12) Weitere Informationen; 13) Zur Unterzeichnung und Namen EESTI: 1) ELi Vastavusdeklaratsioon; 2) Number; 3) Valmistaja; 4) Käesolev vastavusdeklaratsioon on välja antud tootja ainuvastutuseel; 5) Deklareeritav; 6) Mudel/Type; 7) Nimetus; 8) Kirjeldus; 9) Eelkirjeldatud deklareeritav toode on kooskõlas asjaomaste liidu ühtlustamisaktidega; 10) Direktiiv; 11) Standard; 12) Lisainfo; 13) Allkirjastatud ja nimel SUOMI: 1) EU-Vaatimustenmukaisuusvakuutus; 2) Määrä; 3) Valmistaja; 4) Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla; 5) Vakuutuksen kohde; 6) Malli/Typi; 7) Nimitys; 8) Kuvaus; 9) Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen; 10) Direktiivi; 11) Standardi; 12) Lisäinformaatio; 13) Allekirjoitettu ja puolesta FRANÇAIS: 1) Déclaration UE de conformité; 2) Nombre; 3) Fabricant; 4) La présente déclaration de conformité est établie sous la seule responsabilité du fabricant; 5) Objet de la déclaration; 6) Modèle/type; 7) Désignation; 8) Description; 9) L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable; 10) Directif; 11) Standard; 12) Informations Supplémentaires; 13) Signé pour et au nom de GAEILIGE: 1) Dearbhú comhréireachta AE; 2) Uimhir; 3) Manufacturer; 4) Tá an dearbhú comhréireachta ama eisiúint faoi fhreagracht an mhonaróra; 5) Cuspóir an dearbhairthe; 6) Cineál; 7) Ainmniú; 8) Tuairisc; 9) Is é cuspóir an dearbhairthe a thugtar i gcomhréir leis an reachtaíocht chomhchuidithe ábhartha an Aontais; 10) Treoir; 11) Caighdeánach; 12) Eolas breise; 13) Arna shíniú le haghaidh agus thar ceann an EÁ/HNHK; 1) Δήλωση συμμόρφωσης ΕΕ; 2) αριθμός; 3) Κατασκευαστής; 4) Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή; 5) Αντικείμενο της δήλωσης; 6) Μοντέλο/Τύπος; 7) Ονομασία; 8) Περιγραφή; 9) Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνα με τη σχετική ενωσιακή νομοθεσία εναρμόνισης; 10) διευθυντικός; 11) Πρότυπο; 12) Επιπλέον πληροφορίες; 13) Υπογραφή για λογαριασμό και εξ ονόματος του HRVATSKI: 1) EU Izjava o skladnosti; 2) Broj; 3) Proizvođač; 4) Za izdavanje EU izjave o skladnosti odgovoran je isključivo proizvođač; 5) Predmet deklaracije; 6) Model/Tip; 7) Oznaka; 8) Deskripcija; 9) Predmet navedene izjave u skladu je s mjerodavnim zakonodavstvom Unije o uskladjivanju; 10) Direktiva; 11) Standard; 12) Dodatne informacije; 13) Potpisao za iu ime MAGYAR: 1) EU-Megfelelőségi nyilatkozat; 2) Szám; 3) Gyártó; 4) Ezt a megfelelési nyilatkozatot a gyártó kizárólagos felelőssége mellett adja ki; 5) A nyilatkozat tárgya; 6) Modell/Típus; 7) Kijelölés; 8) Leírás; 9) A fent ismertetett nyilatkozat tárgya megfelel a vonatkozó uniós harmonizációs jogszabályoknak; 10) Irányelv; 11) Standard; 12) További információ; 13) Aláírva nevében ISLENSKA: 1) EU Vákyfyrifýrýsing; 2) Fjöldi; 3) Framleiðandi; 4) Þessi samræmisfyrifýring er sett alfarán á ábyrgð framleiðanda; 5) Markmið yfyrifýringarinnar; 6) Gerð; 7) Tilnefning; 8) Lýsing; 9) Markmið yfyrifýringarinnar lýst er hér að ofan er i samræmi við viðeigandi Uníon samræmfingur löggjafar; 10) Tilskipun; 11) Standard; 12) Viðbótarupplýsingar; 13) Undirritað fyrir og fyrir hönd ITALIANO: 1) Dichiarazione di conformità UE; 2) Numero; 3) Produttore; 4) La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante; 5) Oggetto della dichiarazione; 6) Modello/Tipo; 7) Designazione; 8) Descrizione; 9) L'oggetto della dichiarazione di cui sopra è conforme alla direttiva normativa di armonizzazione dell'Unione; 10) Direttiva; 11) Standard; 12) Informazioni aggiuntive; 13) Firmato e per conto di LATVIŠŪS: 1) ES Atbilstības deklarācija; 2) Numurs; 3) Ražotājs; 4) Šī atbilstības deklarācija ir izdota vienīgi uz ražotāja atbildību; 5) Deklarācijas priekšmets; 6) Modeļa/tipa; 7) Apzīmējums; 8) Apraksts; 9) Iepriekš aprakstītais deklarācijas priekšmets atbilst attiecīgajam Savienības saskaņošanas tiesību aktam; 10) Direktīva; 11) Standarts; 12) Papildus informācija; 13) Parakstīts vārdā LIETUVIŲ: 1) ES Atitikties deklaracija; 2) Skaičius; 3) Gamintojas; 4) Ši atitikties deklaracija išduota tik gamintojo atsakomybe; 5) Deklaracijos objektas; 6) Modelis/tipas; 7) Pavadinimas; 8) Aprašymas; 9) Pirmiau aprašytas deklaracijos objektas atitinka susijusių derinamųjų Sąjungos teisės aktus; 10) Direktyva; 11) Standartinė; 12) Papildoma informacija; 13) Pasirašyta ir vardu MALTESE: 1) Dikjarazzjoni ta' konformità tal-UE; 2) Numru; 3) Manifattur; 4) Din id-dikjarazzjoni ta' konformità tinhareg taht ir-responsabbiltà unika tal-manifattur; 5) Għan tad-dikjarazzjoni; 6) Mudell/Tip; 7) Deżinjazzjoni; 8) Deskrizzjoni; 9) L-għan tad-dikjarazzjoni deskritt hawn fuq huwa konformi mal-leġiżlazzjoni ta' armonizzazzjoni rilevanti tal-Unjoni; 10) Direttiva; 11) Standard; 12) Informazzjoni addizzjonali; 13) Iffirmat għal u f'isem il NEDERLANDS: 1) EU-Conformiteitsverklaring; 2) Nummer; 3) Fabrikant; 4) Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant; 5) Voorwerp van de verklaring; 6) Model/Type; 7) Benaming; 8) Beschrijving; 9) Het hierboven beschreven voorwerp is in overeenstemming met de desbetreffende harmonisatiewetgeving van de Unie; 10) Richtlijn; 11) Standaard; 12) Aanvullende informatie; 13) Ondertekend voor en namens NORSK: 1) EU-Erklæring; 2) Nummer; 3) Produsent; 4) Denne samsvarserklæringen er utstedt under ansvar av produsenten; 5) Formålet med erklæringen; 6) Type; 7) Betegnelse; 8) Beskrivelse; 9) Formålet med erklæringen som er beskrevet ovenfor er i samsvar med relevante Union harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Ytterligere informasjon; 13) Signert for og vegne PÓLSKI: 1) Deklaracja zgodności UE; 2) Numer; 3) Producent; 4) Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta; 5) Przedmiot deklaracji; 6) Model/Typ; 7) Oznaczenie; 8) Opis; 9) Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odnosnymi wymaganiami unijnego prawodawstwa harmonizacyjnego; 10) Dyrektywa; 11) Standard; 12) Dodatkowe informacje; 13) Podpisano imieniem PORTUGUÊS: 1) Declaração UE de conformidade; 2) Número; 3) Fabricante; 4) A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante; 5) Objeto da declaração; 6) Modelo/Tipo; 7) A denominação; 8) Descrição; 9) O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável; 10) Diretiva; 11) Padrão; 12) Informações adicionais; 13) Assinado por e nome ROMÂNĂ: 1) Declarația UE de conformitate; 2) Număr; 3) Producător; 4) Prezenta declarație de conformitate este emisă pe răspunderea exclusivă a producătorului; 5) Obiectul declarației; 6) Model/Tip; 7) Desemnare; 8) Descriere; 9) Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii; 10) Directivă; 11) Standard; 12) Informații adiționale; 13) Semnat pentru și în numele SLOVENŠKI: 1) EU Vyhlášení o shodě; 2) Číslo; 3) Výrobce; 4) Toto vyhlášení o shodě sa vydáva na výhradnú zodpovednosť výrobcu; 5) Predmet vyhlášenja; 6) Model/Typ; 7) Označenie; 8) Popis; 9) Uvedený predmet vyhlášenja je v zhode s príslušnými harmonizačnými právnymi predpismi Unie; 10) Smernice; 11) Standardné; 12) Doplňujúce informácie; 13) Podpísané za a mene na SLOVENČINA: 1) Izjava EU o skladnosti; 2) Številko; 3) Proizvajalec; 4) Ta izjava o skladnosti je izdana na lastno odgovornost proizvajalca; 5) Predmet izjave; 6) Model/Type; 7) Oznaka; 8) Opis; 9) Predmet navedene izjave je v skladu z ustreznou zakonodajo Unije o harmonizaciji; 10) Direktiva; 11) Standardna; 12) Dodatne informacije; 13) Podpisano za in v imenu ESPAÑOL: 1) Declaración UE de conformidad; 2) Número; 3) Fabricante; 4) La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante; 5) Objeto de la declaración; 6) Tipo de modelo; 7) Designación; 8) Descripción; 9) El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión; 10) Directiva; 11) Estándar; 12) Información Adicional; 13) Firmado por y nombre SVENSKA: 1) EU-Försäkran om överensstämmelse; 2) Nummer; 3) Tillverkare; 4) Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar; 5) Föremålet för försäkran; 6) Modell/Typ; 7) Beteckning; 8) Beskrivning; 9) Föremålet för försäkran ovan överensstämmer med den relevanta harmoniserade unionslagstiftningen; 10) Direktiv; 11) Standard; 12) Extra information; 13) Undertecknat för och på uppdrag av