
ColorFlare CF2500 Unpack and Installation Manual



T09391A
4 April 2025

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 of the apparatus concerned.

Introduction

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.

NOTE: This refers to:

Remarks for making the operation much easier. You get practical hints or knowledge to assist you in the machine operation such as:

Preparations required before operating

How to prevent papers from being misfed or damaged

Precautions required or actions to take after misoperation

Limitations like numerical limits, functions that cannot be used together or conditions under which a particular function cannot be used or obtained

Other General Information

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.
- 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.

Caution:

- Always follow all warnings marked on, or supplied with, the product.
- 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 the product's 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 case of overvoltage.
- 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.

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.
- 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.

NOTE:

The indications like front and rear, left and right 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.

Warning:

Do not put fingers or other parts between moving parts.

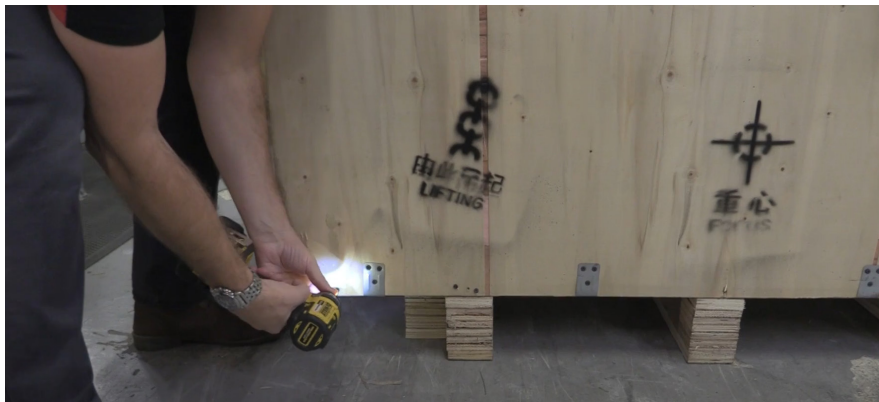
1 Unpack and Installation Instructions

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1.1 Unpack Instructions



1. Remove screws on top of the lid and remove the lid [A].



2. Remove the screws along the bottom of the crate, excluding the corner brackets.



3. Lift the crate [B] up to remove it.

Caution:

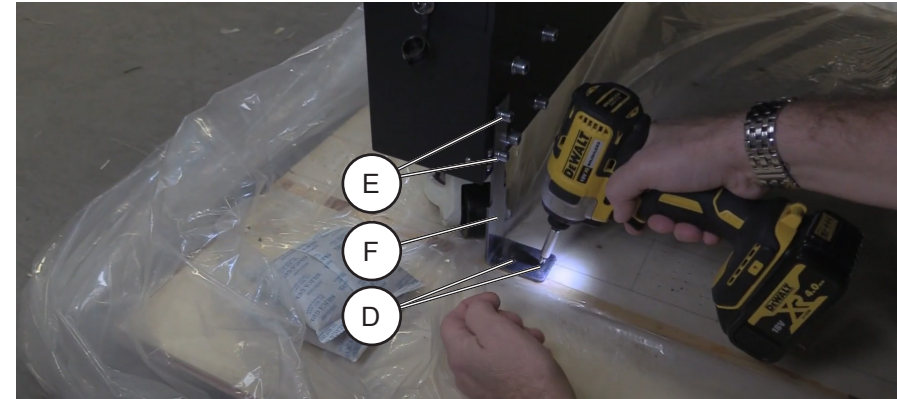
Two people are required to remove the crate.



4. Remove the plastic wrap [C].



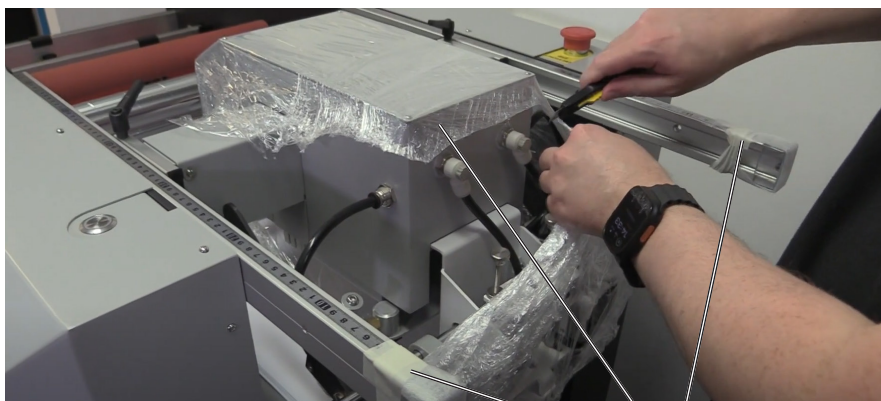
5. On the bottom pallet, remove the screws that are securing the parts in place, then remove the parts.



6. Remove the screws [D] (8x) and bolts [E] (8x) from brackets [F] (4x) that are securing machine in place. Remove the brackets and reattach removed bolts [E] (8x) back to the machine.
7. Remove the machine from the pallet using a forklift.
8. Position the machine in the desired location and lock the casters.



9. Unwrap the parts from underneath the machine.



10. Remove the remaining packaging [G].



11. Remove wires securing take up roller on both sides.

1.2 Installation Requirements

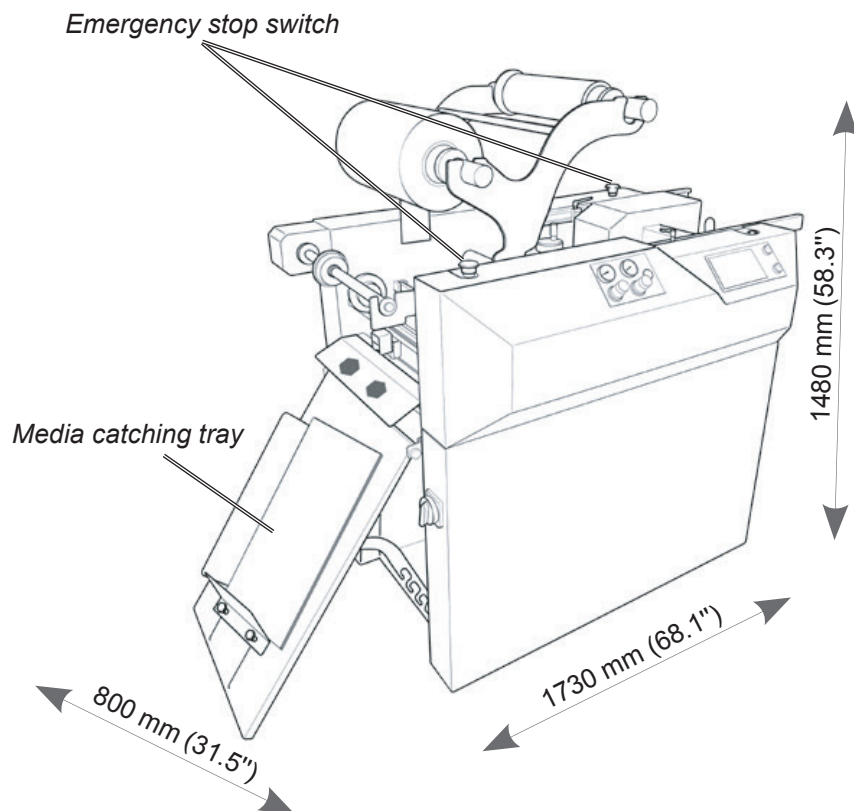
1.2.1 Minimum space requirements

1. Working space is different to machine dimensions.
2. Ensure there is sufficient space to easily load sheets and adjust the media side guides.
3. Ensure there is sufficient space above the CF2500 to easily press the Emergency Stop Switch in case of a problem.
4. Ensure there is space for the retractable exit tray to be opened, without causing an obstruction to walkways.

Note:

Working space: It is recommended leaving enough space to be able to access the machine for normal operation.

Service access: It is recommended to have a clearance of at least 800 mm / 31.5" in each direction around the machine.



1.2.2 Power Requirements

1. Ensure that a power outlet is available nearby the system, fused to withstand the system's combined rated current.
2. The current consumption can be seen on the machine labels. For example: if the machine label says "100-240 V, 3.4-1.7 A" then the rated current is 3.4 A at 100 V and 1.7 A at 240 V.
3. Make sure to route power cords to avoid people from tripping on them.
4. Avoid using excessively long extension cords.
5. Make sure the machine is grounded.

1.2.3 Tools

To complete installation, the following tools are needed:

Supplied with the laminator:

- 4 mm hex key

Not supplied:

- 4 mm ball end hex screwdriver



ball end hex screwdriver

Tools needed

1.3 Installation Precautions

Safety measures

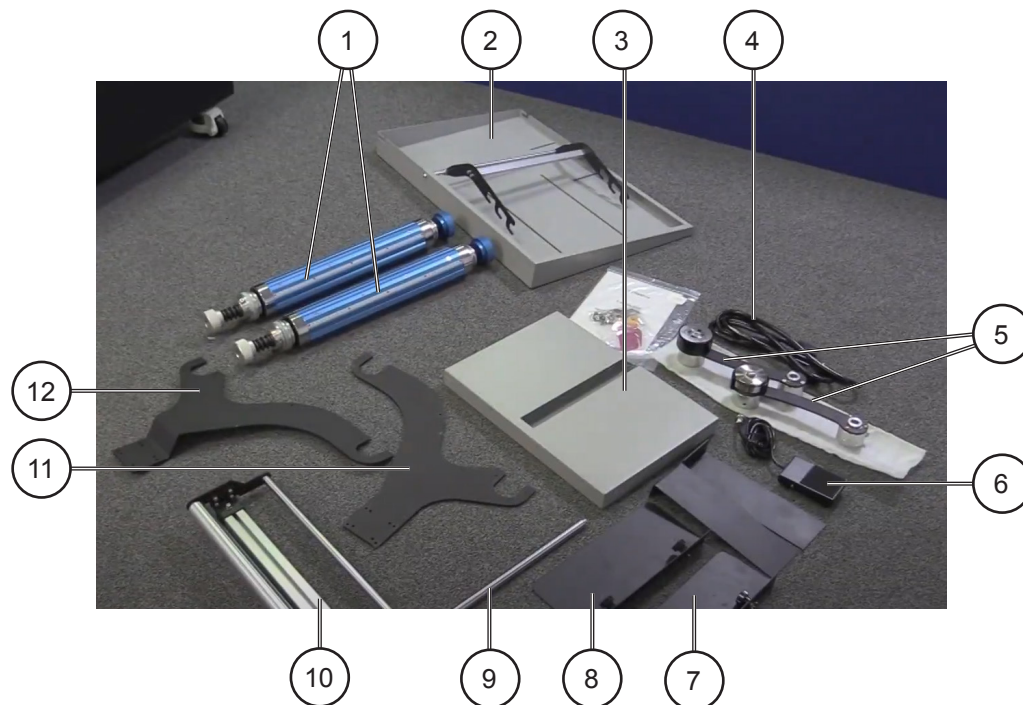
Please read the information and safety measures carefully prior to installation and initial operation of the unit.

- The operator is required to reach into the unit to web a film 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.

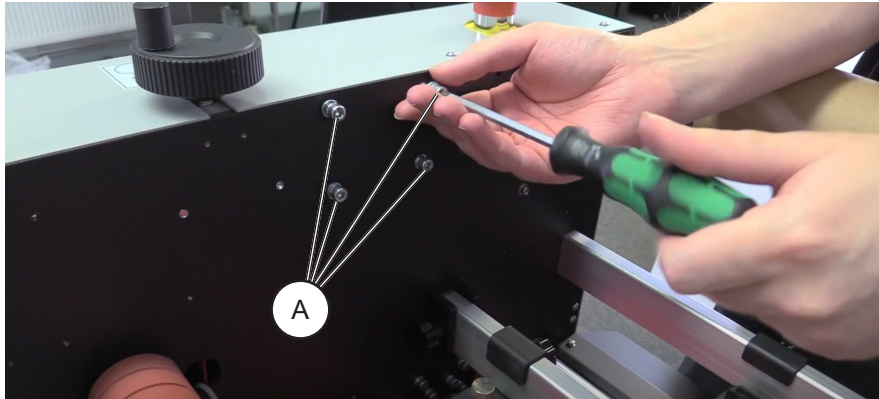
1.4 CF2500 Installation

1.4.1 Accessory check

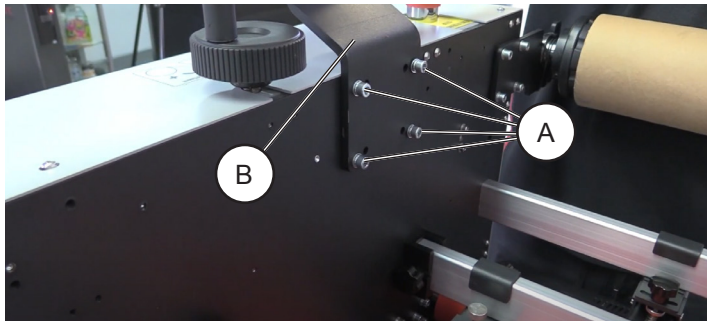
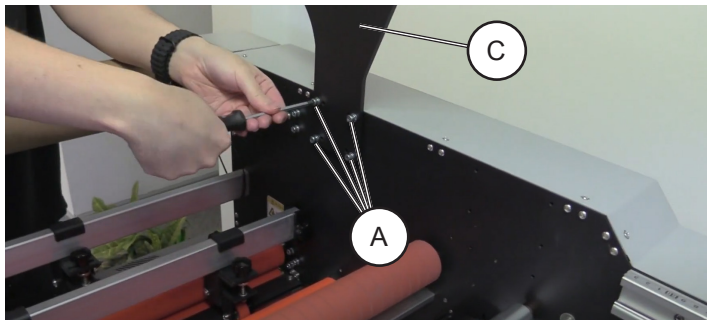
Item	Qty	Description
1	2	Roller
2	1	Media catching tray
3	1	Extension table
4	1	Power cord
5	2	Perforation knife
6	1	Foot pedal
7	1	Side guide
8	1	Bottom guide
9	1	Support rod
10	1	Foiling bar
11	1	Straight arm
12	1	Bent arm
13	1	Positioning bar
14	4	Thumb screw
15	2	Wingnut



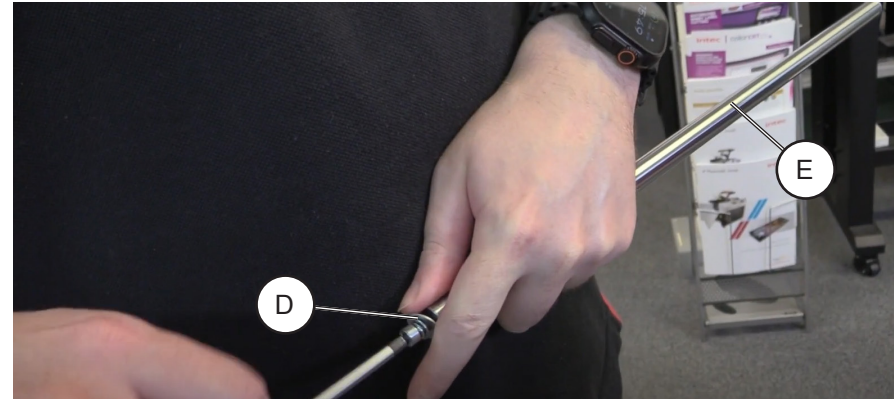
1.4.2 Roller assembly



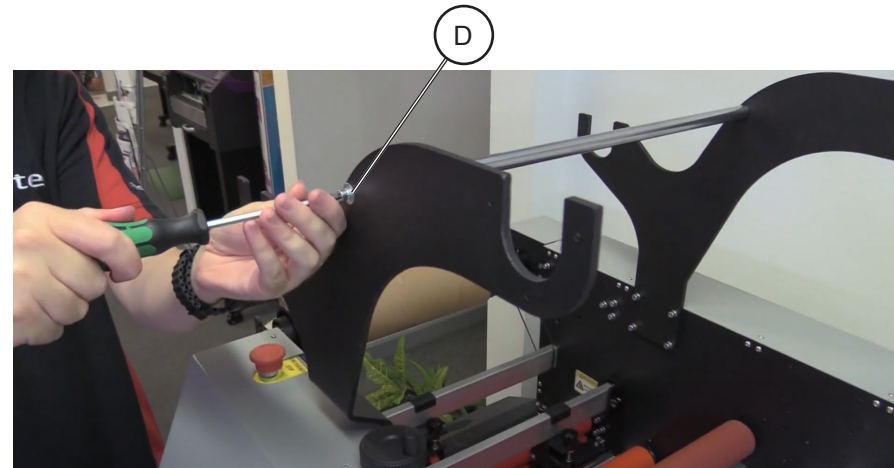
1. Remove hex bolts with washers [A] (8x) from the operator side and non-operator side chassis.



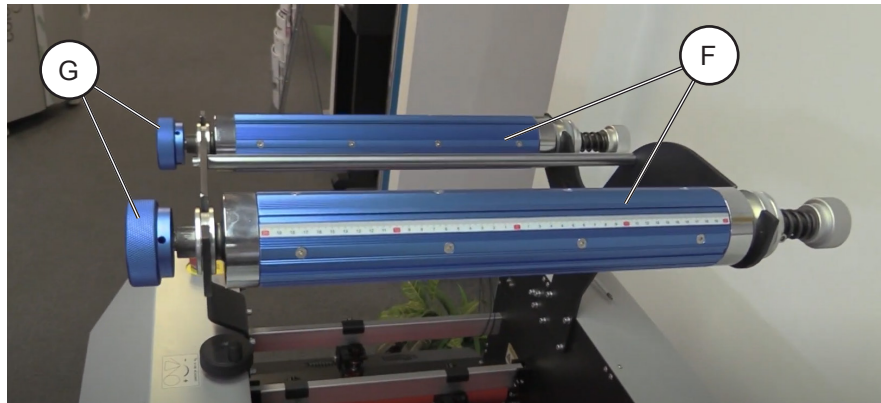
2. Take the arm with the bend [B] and align it with the holes on the operator side. Using hex bolts with washers [A] (4x), hand tighten the arm [B], then secure the bolts without fully tightening them. Repeat the process with hex bolts with washers [A] (4x) to attach the straight arm [C] to the non-operator side.



3. Remove hex bolts with washers [D] (2x) from both ends of the support rod [E].

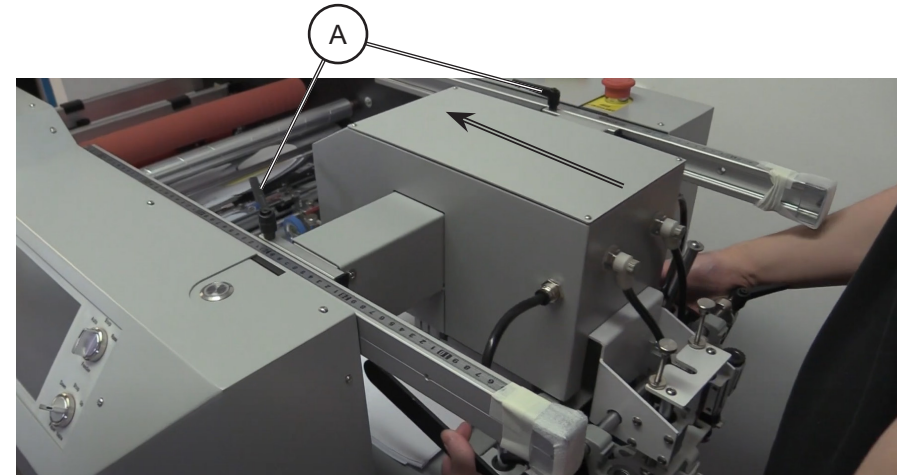


4. Attach support rod to both arms using removed hex bolts with washers [D] (2x) and tighten.
5. Tighten the hex bolts [A] (8x) that hold the arms in place.

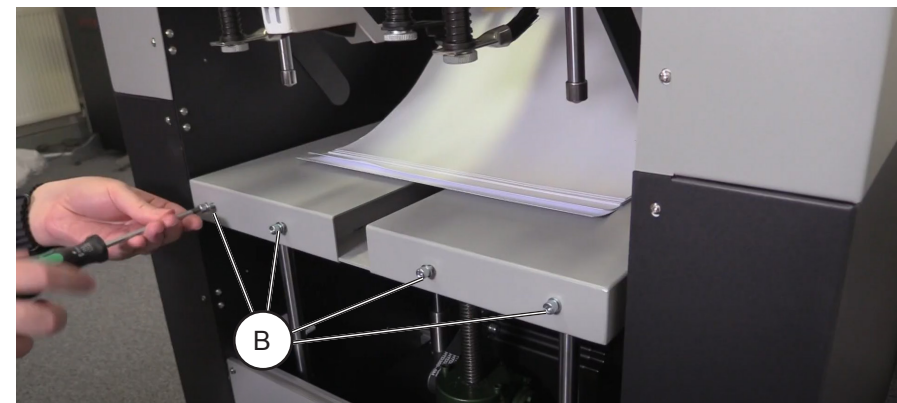


6. Insert the rollers [F] (2x) into the slots on both arms, ensuring that the tightening handwheels [G] (2x) are positioned on the operator's side.

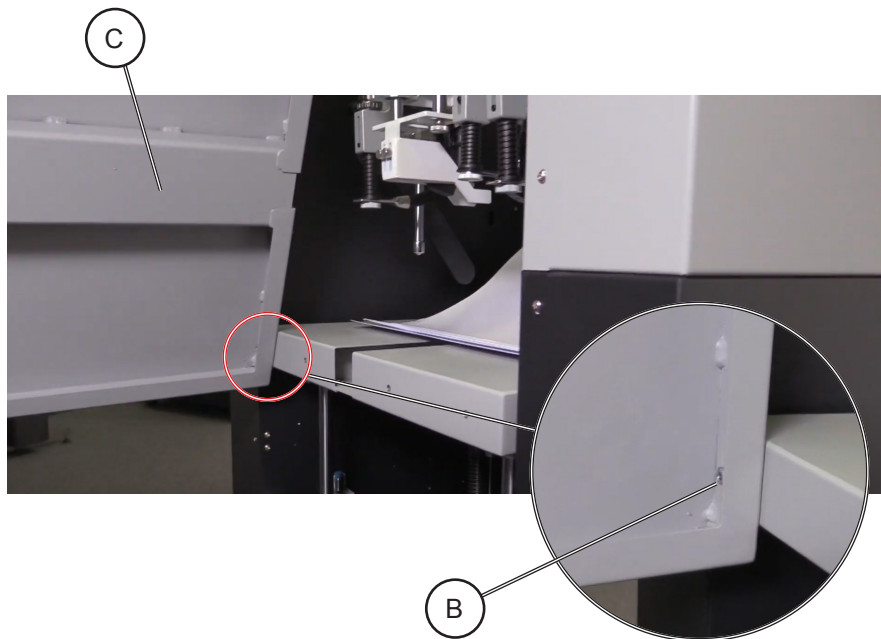
1.4.3 Feeding area preparation



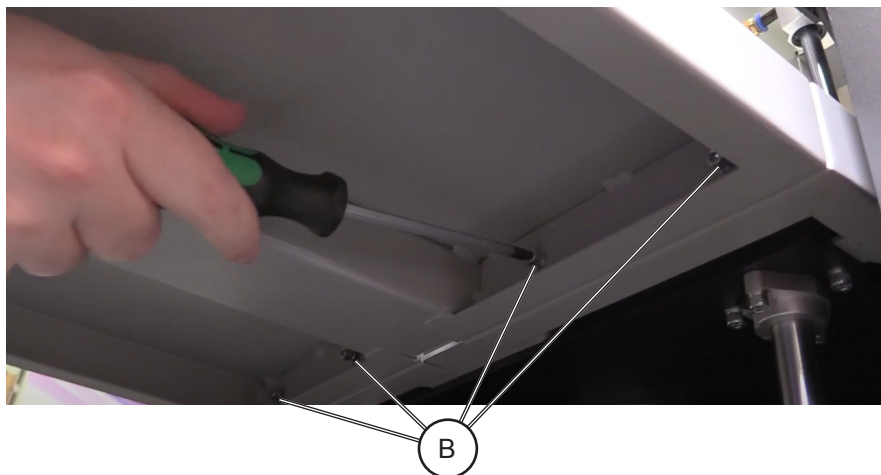
1. Loosen the feed head adjustment handles [A], move the feed head forward until it is above the feed table, then tighten the handles.



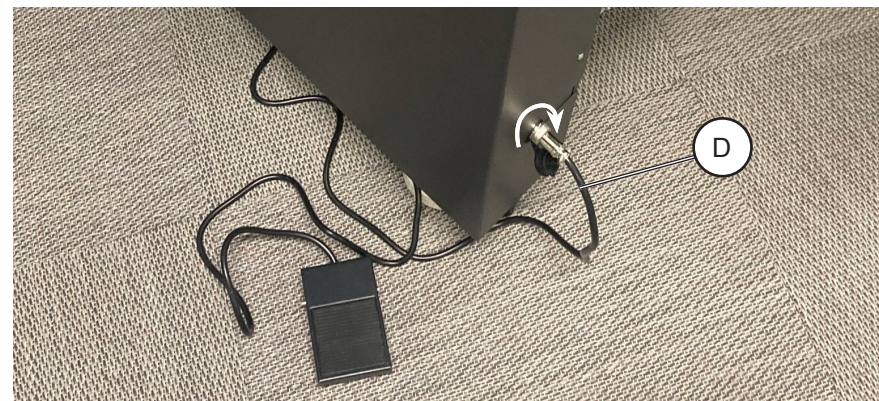
2. Remove hex bolts [B] (4x) from feed table.



3. Retrieve the feed table extension [C] and attach it to the feed table using the removed hex bolts [B] (4x). Hand tighten the left side first, then the right side.

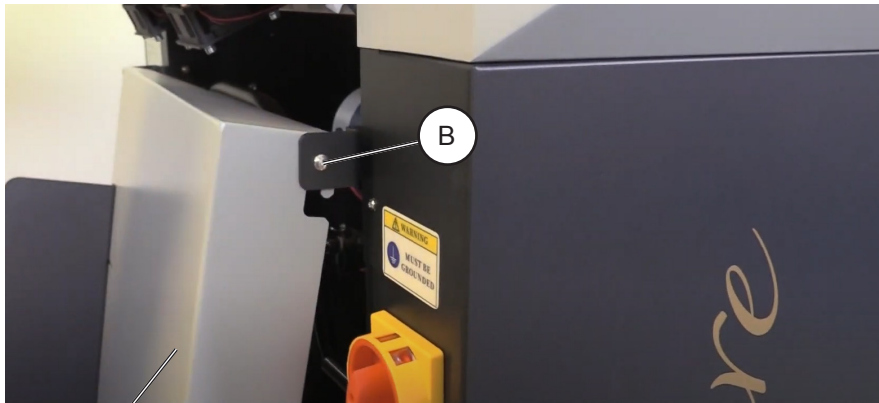


4. Add the remaining bolts and fully tighten all bolts [B] (4x).

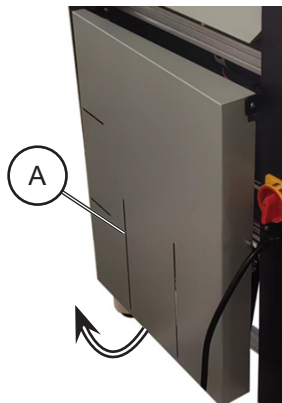
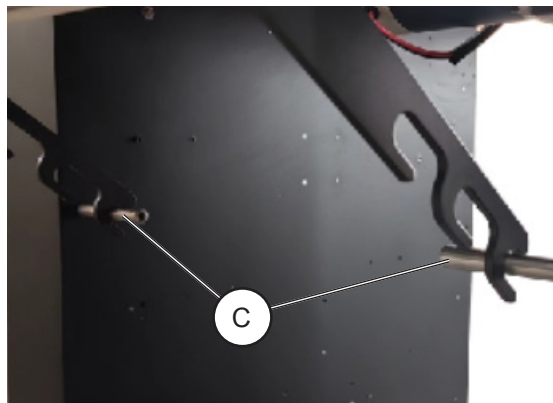


5. Plug the foot pedal cable [D] into the socket on the front of the operator side panel. Ensure the plug aligns with the socket, then turn it clockwise to secure it.

1.4.4 Media catching tray assembly



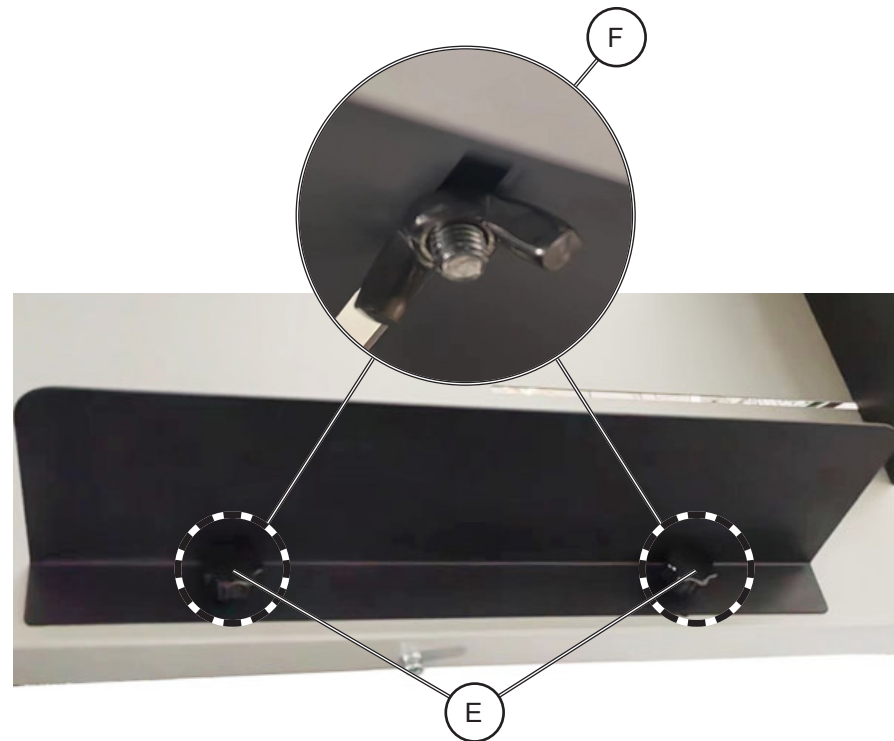
1. Align media catching tray [A] slots with hinge pins [B] (2x) at the rear of the machine.



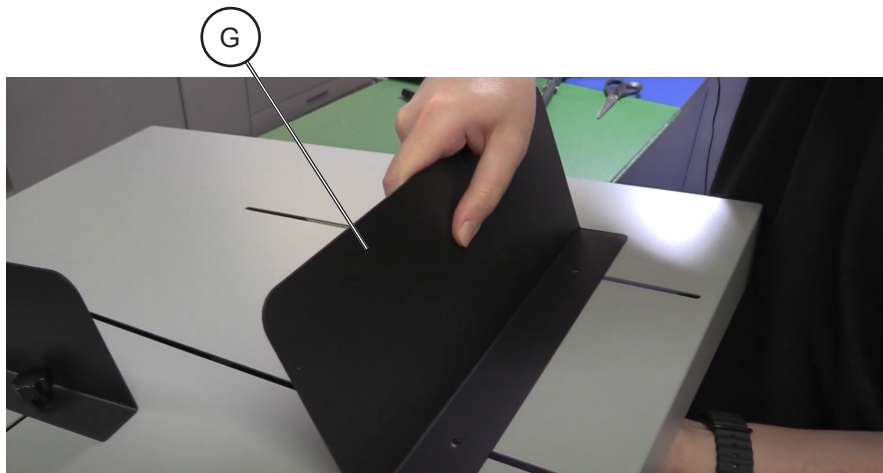
2. Lift media catching tray [A] and hook onto silver bars [C] (2x), adjusting the angle as needed.



3. Align the holes in the side guide [D] with slots in the catch tray [A].



4. Insert the thumb screws [E] (2x) from the top and tighten the wingnuts [F] (2x) at the bottom of the tray.



5. Align the holes in the bottom guide [G] with the holes in the positioning bar [H] and slots in the catch tray [A].



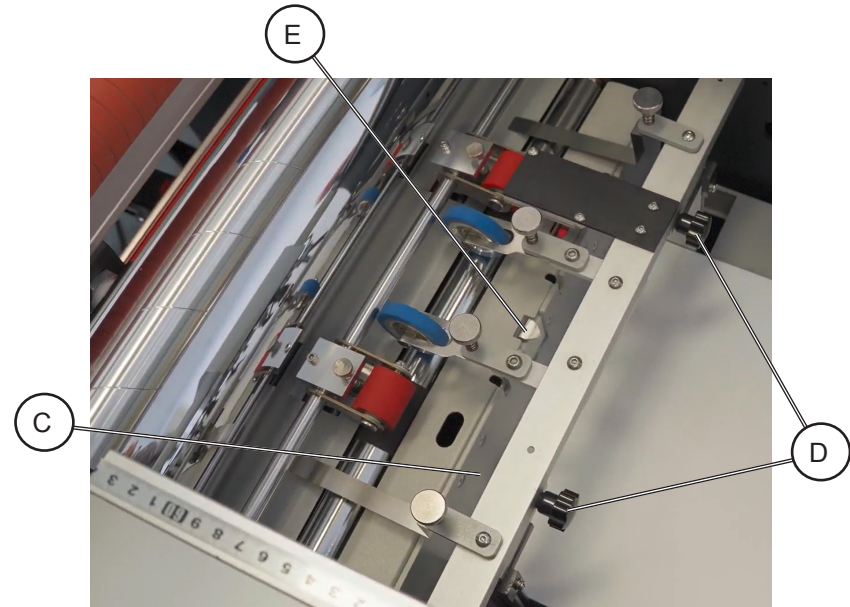
6. Secure it in place using the thumb screws [I] (2x).

1.5 Testing the machine

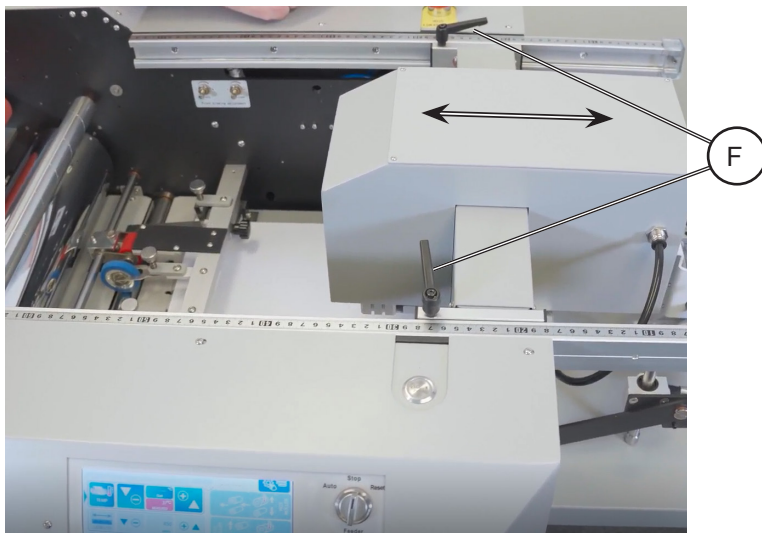
1.5.1 Quick setup



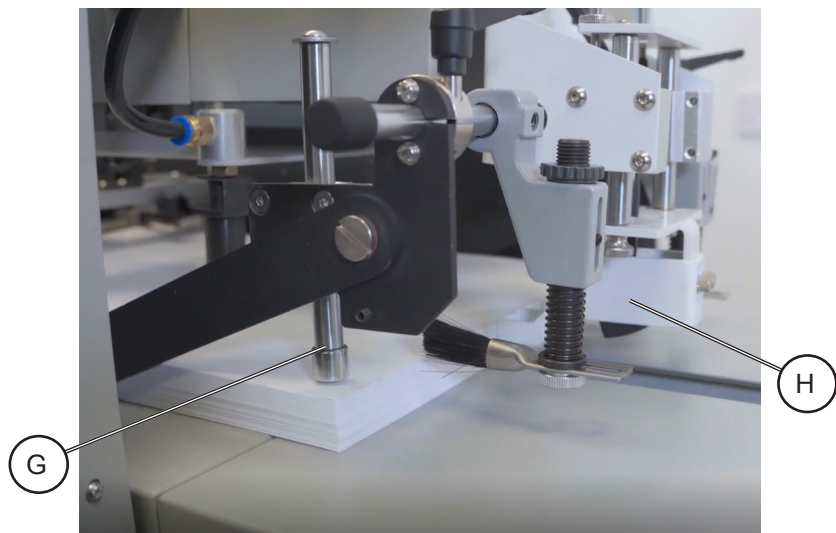
1. Lower the feed table by turning the Paper table lifting switch [A] to [Down] (the Feeder control switch [B] should be turned to [Stop]).



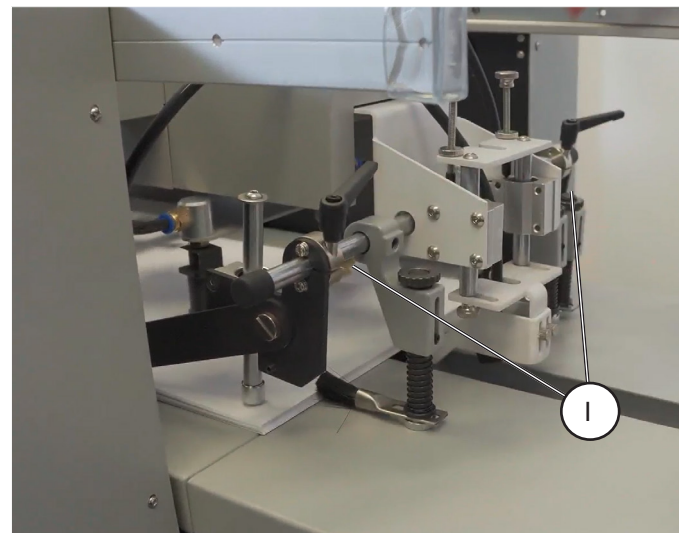
2. Take a stack of printed paper and place it on the feed table.
3. Ensure the paper is centered and pushed against the front wall [C].
4. Loosen the knobs [D] (2x) to align the front side guides with the edges of the paper stack, and tighten the knobs [D] (2x) when aligned. Ensure the guides are not too tight and the sheets can move freely.
5. Turn the Paper table lifting switch [A] to [Up] to raise the table. The table will automatically stop when the paper reaches the limit sensor/front stop [E].
6. Turn the Paper table lifting switch [A] to [Stop].



7. Loosen the feed head adjustment handles [F] to move the feed head forward or backward.



8. Lift the paper press rods [G] (2x) on each side of the feed head and move the feed head simultaneously, so the back stop [H] is against the paper stack and the paper press rods rest on top of the stack. Tighten the feed head handles [F] (2x) once the paper press rods are resting on the corners of the paper stack, and positioned vertically.

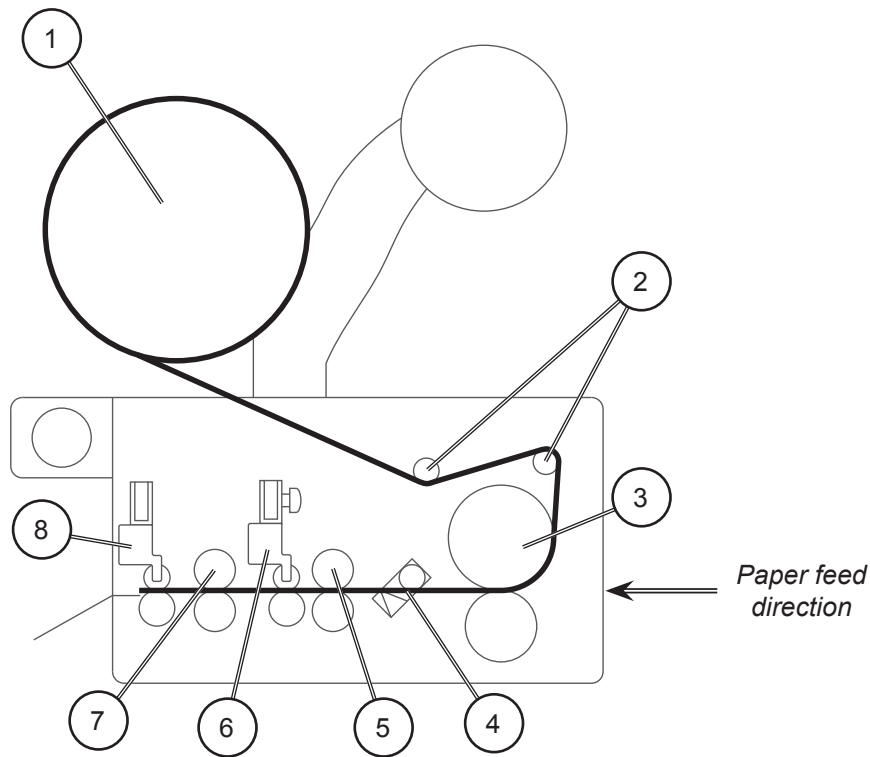


9. Loosen the handles [I] (2x) to align the back side guides with the edges of the paper stack, and tighten the handles [I] when aligned. Ensure the guides are not too tight and the sheets can move freely.

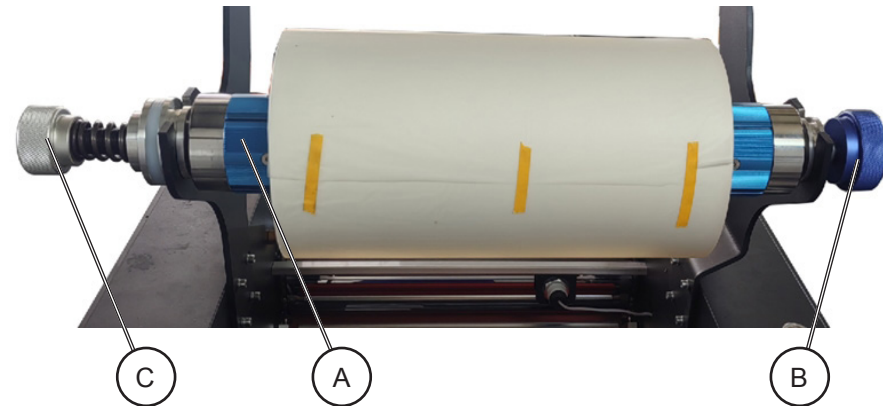
For a more detailed description of feed area adjustments, see section "Loading paper" in the CF2500 Operator manual.

1.5.2 Lamination

Webbing for laminate and running first sheets



- 1 Laminating Roller
- 2 Guide Rollers
- 3 Hot Roller
- 4 De-curl Bar
- 5 Pull Roller
- 6 Laminating Bar with Skew Wheel and Perforation Wheel
- 7 Burst Roller
- 8 Exit Transport Wheel



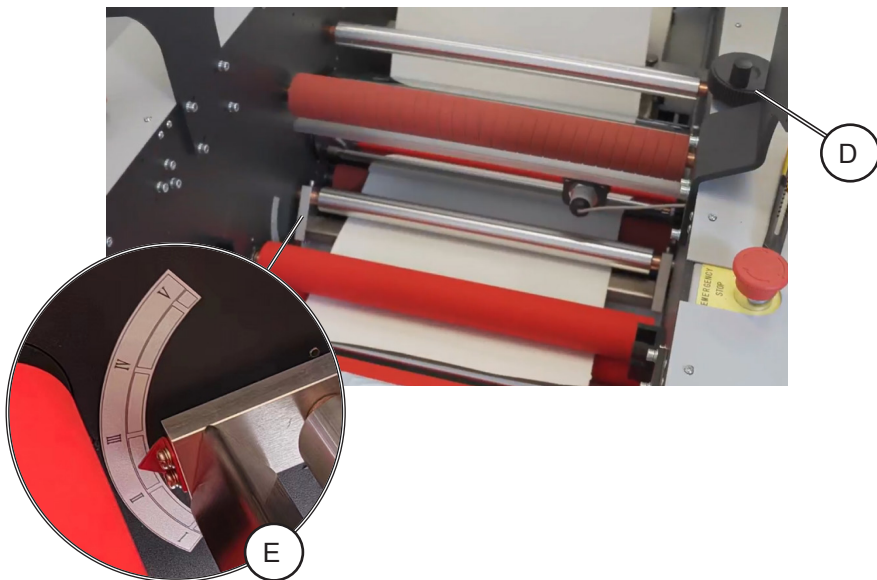
1. Turn on the main power.

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.

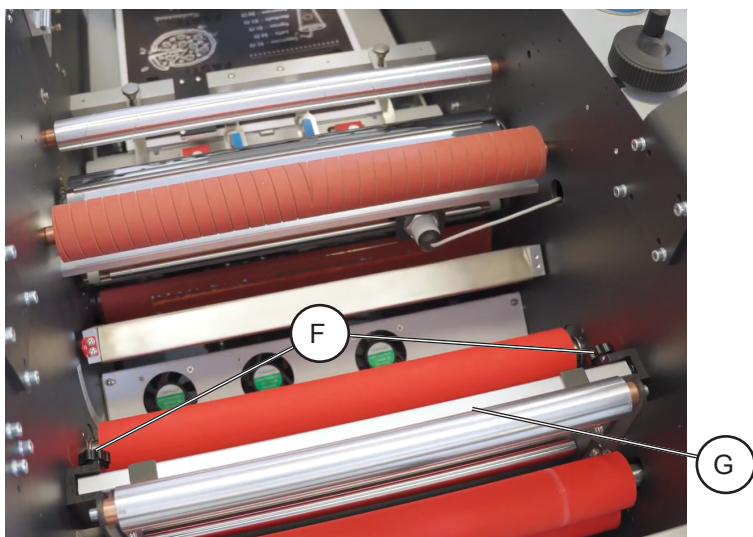
2. Adjust the settings on the screen: set the temperature between 80 °C and 130 °C (it is recommended to set the temperature to 105 °C for laminating, but you may need to modify it according to the purchased material's specification), set the length to match the sheet size, and disable hot roller and 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.

3. Place paper on the feed table. See section "Quick setup" for more details.
4. Place the laminate onto the laminating roller [A], 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 [B] is positioned on the operator's side. Once the laminate is on the roller, align it with the paper stack on the feed table. Adjust the laminate's position left or right as needed.
6. Secure the film roll by rotating the tightening handwheel [B]. 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 [C] clockwise to increase tension on the laminating roller, or counterclockwise to decrease it.



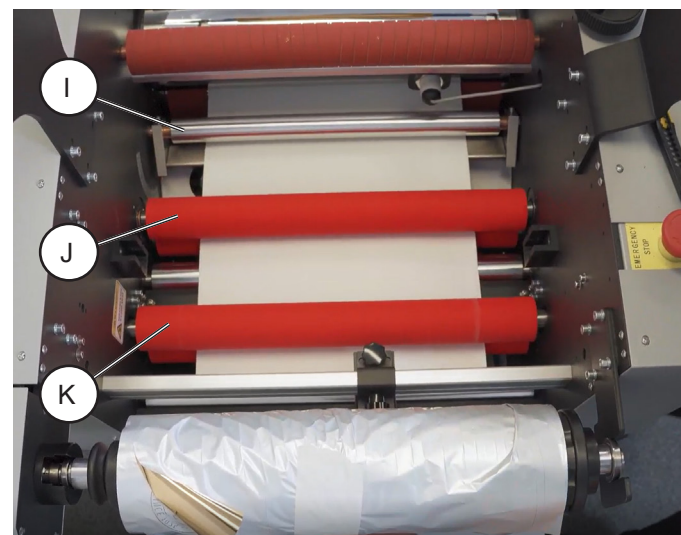
8. To make it easier to web the laminate, turn the handwheel [D] counter-clockwise to set the de-curl bar to its lowest position. Make sure the arrow [E] on the de-curl bar points to "I" on the scale (I to V).



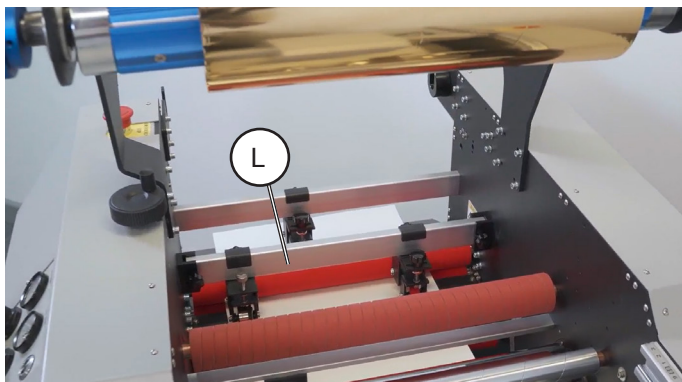
9. Loosen the screws [F] (2x) on both sides of the laminating/foiling bar [G] and remove it.



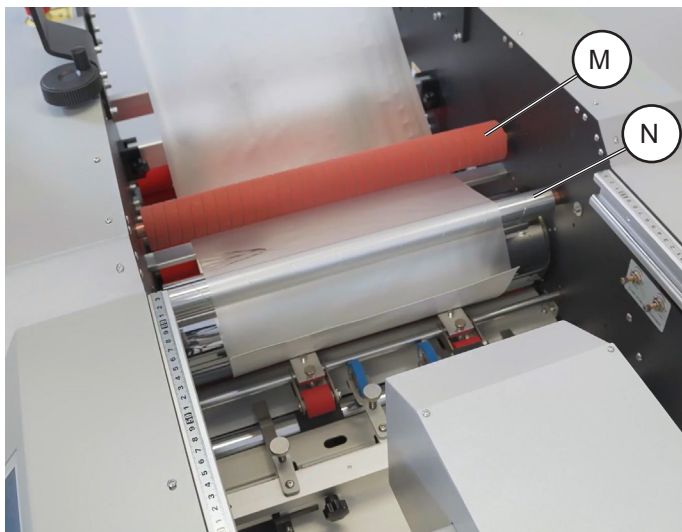
10. Take a long sheet for webbing, at least 450 mm long and preferably 200 gsm thick. Feed the sheet through the hot roller [H] and the lower pressure roller.



11. Ensure the sheet passes through the de-curl bar [I], then continue feeding it through the pull roller [J] and burst roller [K] as shown. Make sure that the ends of the sheet are sticking out of the machine (out of the hot roller and burst roller).



12. Install the laminating bar [L] and tighten the screws on each side.



13. Pull the film towards the hot roller, wrap it under the first guide roller [M] and over the second guide roller [N], and place it over the hot roller as shown.

14. Press the end of the sheet against the adhesive side of the laminate, ensuring that the sheet sticks to the laminate.

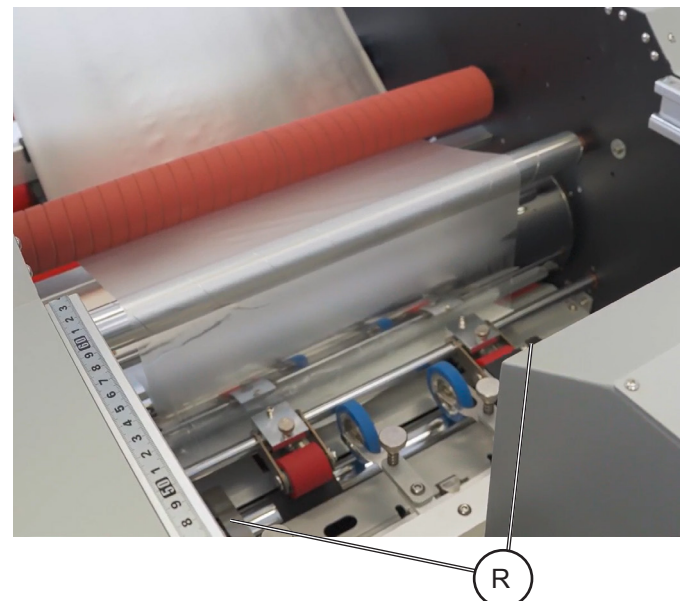
Warning:

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

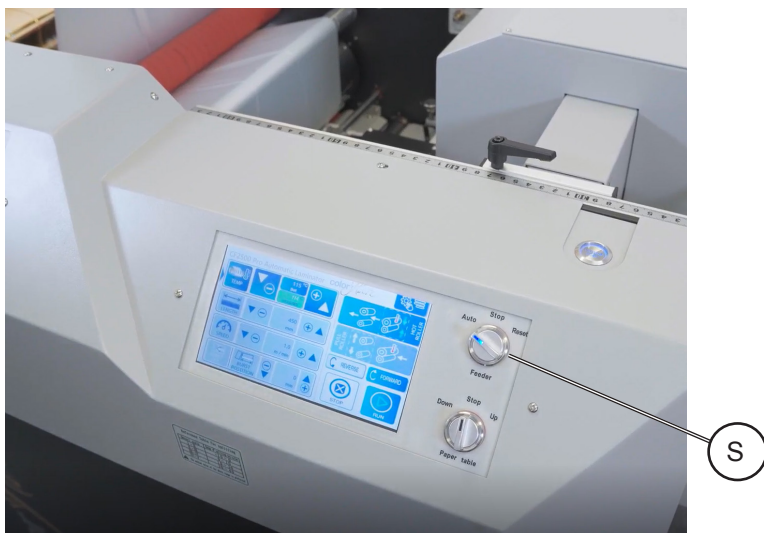
15. Press the [FORWARD] button and enable the hot roller on the screen.



16. Turn on the air pump [O], fan [P], and vacuum pump [Q].



17. Press the foot pedal to load the sheet into the machine. Continue loading until the end of the sheet passes the feed guides [R] as shown. Press the [REVERSE] button and foot pedal to reverse the sheet if necessary.

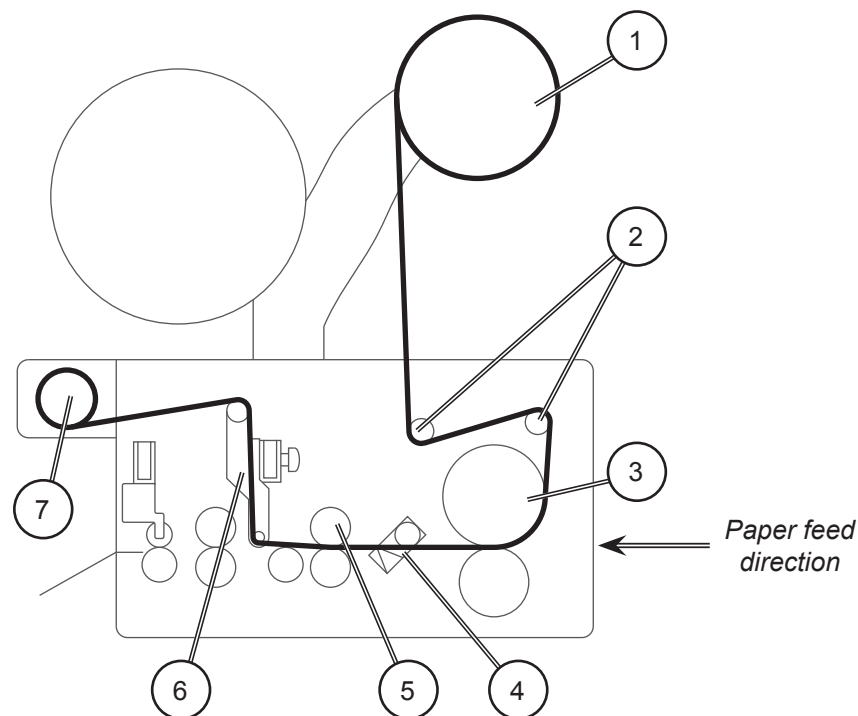


18. Turn the Feeder control switch [S] to [Reset] to reposition the feeder, then to [Auto] to move the sheet from the paper stack to the front feed table area.
19. Press the [FORWARD] button and then select [RUN] on the screen to feed the sheet into the machine.
20. When a few sheets are ejected into the output tray, activate BURST ON mode to separate the sheets and press the [PULL ROLLER] button.
21. After a few laminations, turn the Feeder control switch [S] to [Stop] and turn off the air pump, fan and vacuum pump.

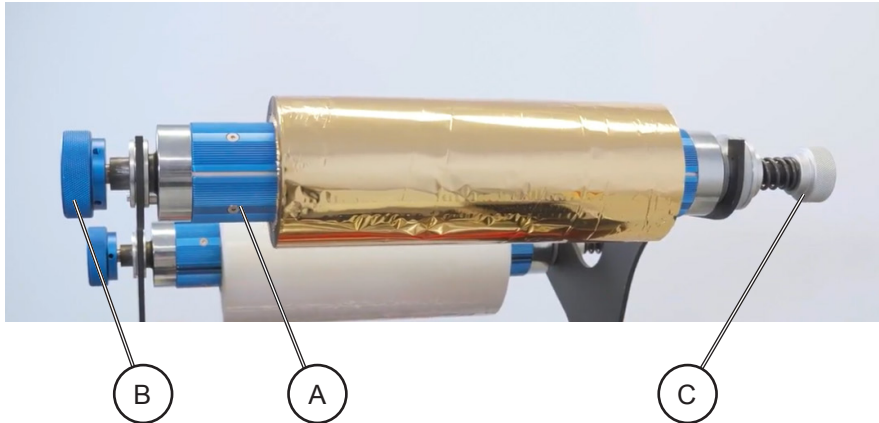
Refer to the "Troubleshooting" section in the CF2500 Operator manual if you encounter issues during this procedure.

1.5.3 Foiling

Webbing for foil and running first sheets



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



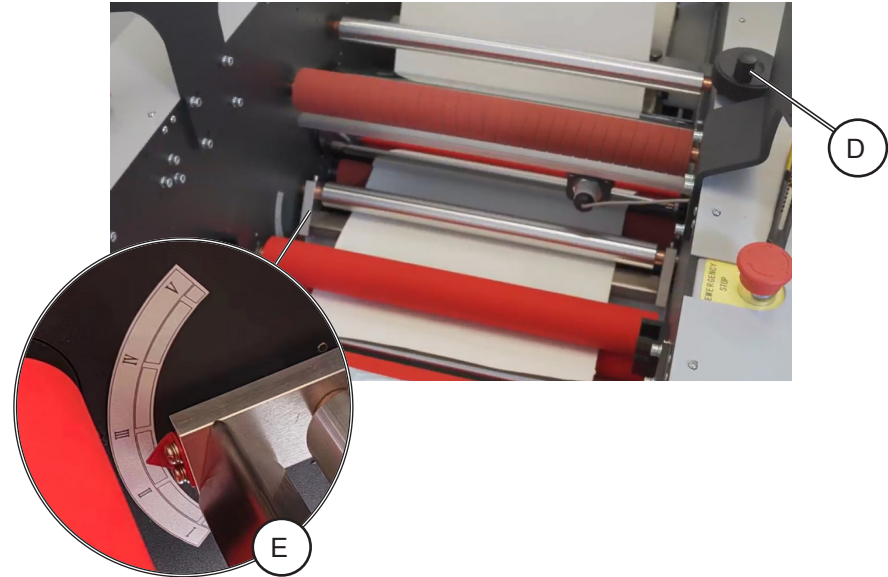
1. Turn on the main power.

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.

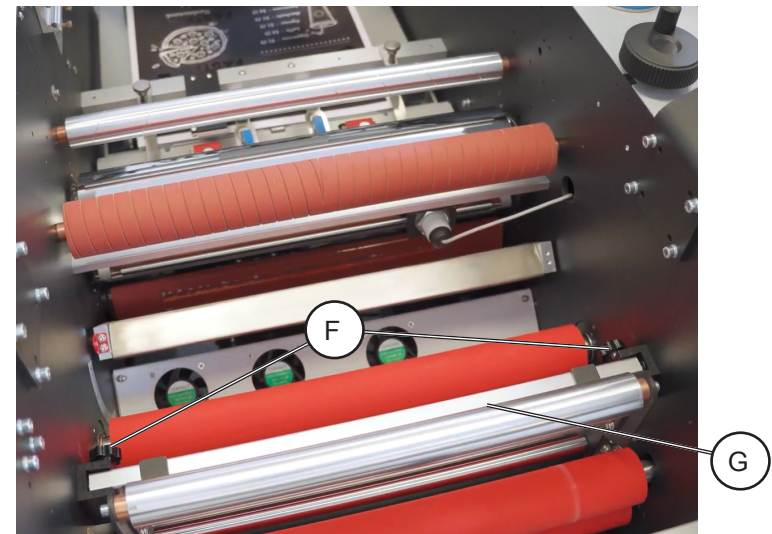
2. Adjust the settings on the screen: set the temperature between 80 °C and 130 °C (it is recommended to set the temperature to 115 °C for foiling, but you may need to modify it according to the purchased material's specification), set the length to match the sheet size, and disable burst mode, pull roller and hot roller.

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.

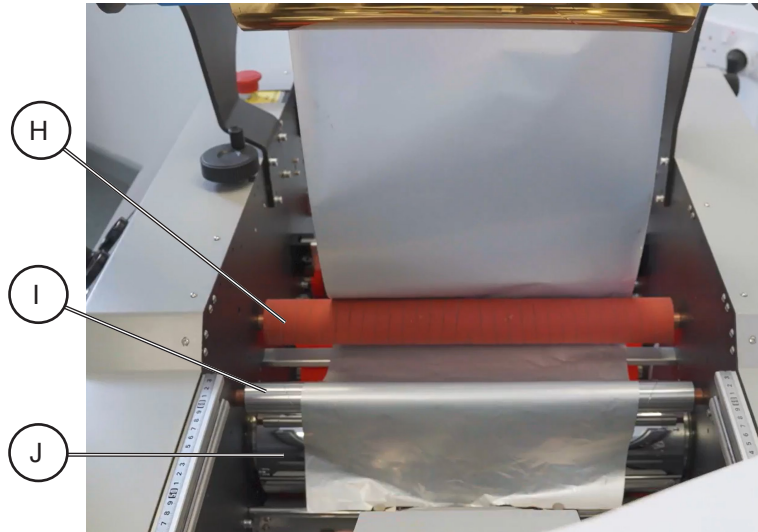
3. Place paper on the feed table. See section "Quick setup" for more details.
4. Place the foil onto the foiling roller [A], ensuring that the foil feeds off the roller towards the rear of the machine. The matte side of the foil must not come into contact with the surface of the heated roller.
5. Insert the roller into the slots on both arms, ensuring that the tightening handwheel [B] is positioned on the operator's side. Once the foil is on the roller, align it with the paper stack on the feed table. Adjust the foil's position left or right as needed.
6. Secure the foil roll by rotating the tightening handwheel [B]. 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 [C] clockwise to increase tension on the foiling roller, or counterclockwise to decrease it.



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



9. Loosen the screws [F] (2x) on both sides of the laminating/foiling bar [G] and remove it.



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

Warning:

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



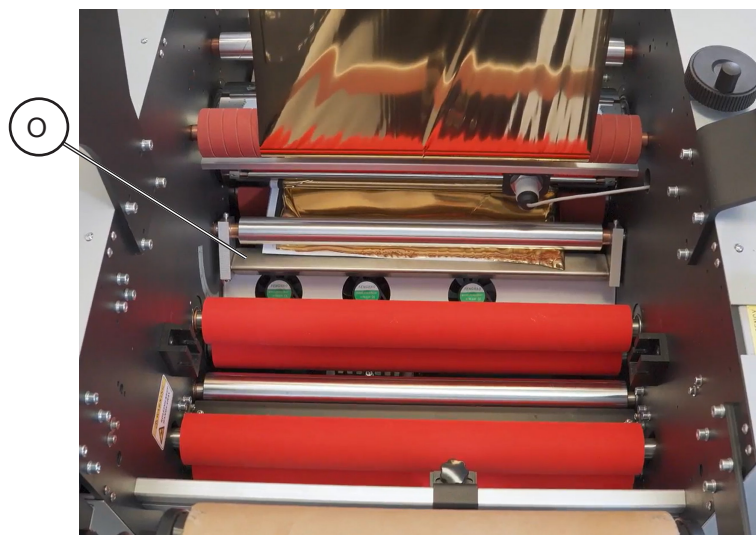
11. Use a blank sheet to press the foil down into the hot roller.



12. Turn on the air pump [K], fan [L] and vacuum pump [M].
13. Turn the Feeder control switch [N] to [Reset] to reposition the feeder, then to [Auto] to move the sheet from the paper stack to the front feed table area.
14. Turn the Feeder control switch [N] to [Stop] after sheet is placed on the front feed table area.
15. Press the [FORWARD] button and then select [RUN] on the screen to feed the sheet into the machine.
16. Press the [STOP] button once the sheet is in the hot roller.



17. Press the foil into the hot roller again using a blank sheet.



18. Enable the hot roller and press [RUN] on the screen.

19. Feed the sheet into the machine until the end of the sheet goes through the de-curl bar [O] and press [STOP].

20. Press the foot pedal repeatedly to slowly feed the sheet through the rollers.

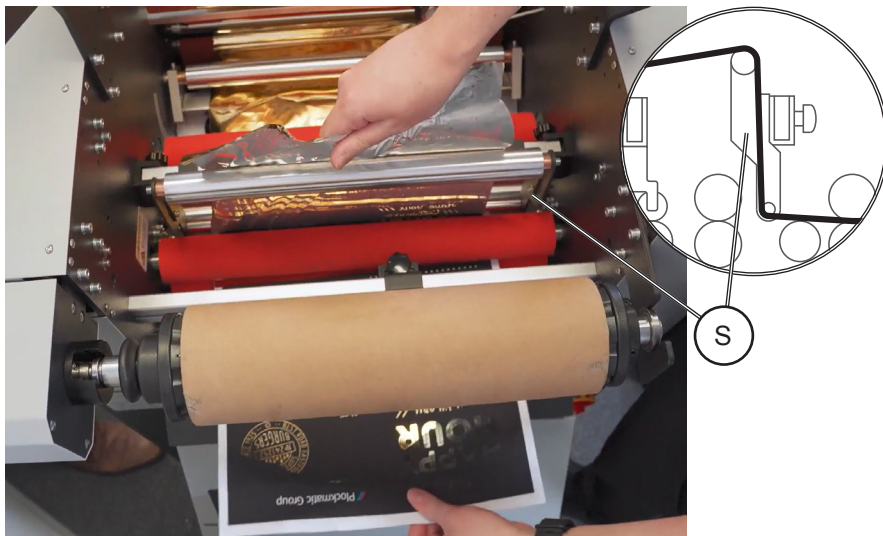


21. Stop feeding when the sheet passes the pull roller [P] and peel the foil from the sheet.

22. Pull the foil forward while pressing the foot pedal repeatedly, and place the foil on top of the burst roller [Q].



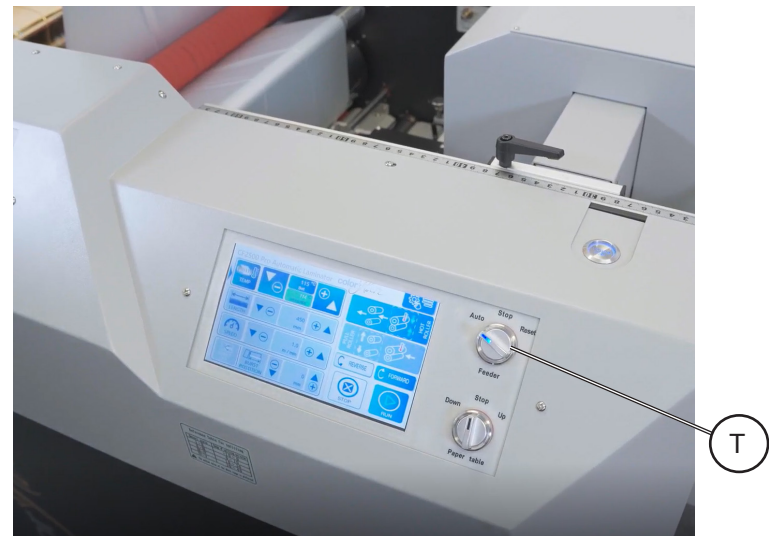
23. Install the foiling bar [R] and tighten the screws on each side.



24. Place the foil through the foiling bar [S] as shown (see webbing diagram for the correct webbing path). Press the foot pedal while pulling the foil upwards.



25. Tape the foil to the foil take up roller.
26. Remove the webbing sheet.



27. Turn the Feeder control switch [T] to [Reset] to reposition the feeder, then to [Auto] to move the sheet from the paper stack to the front feed table area.
28. Press the [FORWARD] button and then select [RUN] on the screen to feed the sheet into the machine.
29. When a few sheets are ejected into the output tray, turn the Feeder control switch [T] to [Stop] and turn off the air pump, fan and vacuum pump.

Refer to the "Troubleshooting" section in the CF2500 Operator manual if you encounter issues during this procedure.