

Procolored K13 Lite

DTF Printer User Manual



Table of Content

1. **Printer Assembling**
2. **Control Panel Introduction**
3. **Install Roll Film and Tray**
4. **Install Printer Driver**
5. **Install Pro RIP software**
6. **No-Ink Test Printing**
7. **Add and Guide the Ink**
8. **Printing Patterns**
9. **Baking Print with Procolored Smoke Free Curing Oven**
10. **Transfer Pattern on T shirt**
11. **Regular Maintenance**
12. **Daily Routine**
13. **Daily Operation**
14. **Maintenance Plan**
15. **Tech Support Contact Info**
16. **Notice and Tips**
17. **Warranty Policy**

1. Printer Assembling



Step 1. Open the Top cover.



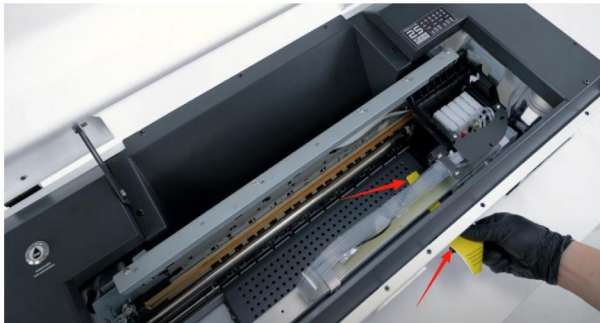
Step 2. Cut off the label and then remove it.



Step 3. Use a screwdriver to unscrew the screws holding the ink carriage latches.



Step 4. Then remove the latches securing the ink carriage. The latches keep the ink carriage in place preventing the carriage from moving during shipping.



Step 5. Remove the warning labels and tags.



Step 6. Besides the printer, your parcel should also include: Membrane paper bracket and fixing rod, trim panel, backup bipolar tube, data cable, power cable and cleaning kit.



Step 7. Also include spare fuses, spare dampers, spare cutter for the tray, screwdriver, moisturizing device and Tray.



Step 8. When some accessories cannot be found, please pay attention to the gaps.

2. Control Panel Introduction



Step 1. Connect the data cable of the printer and then turn on the power.



Step 2. The power indicator and temperature panel will light up when startup complete.



Step 3. This is the One-Click Ink Guide button, press and hold the button for 10s, the ink will be extracted automatically for 45s.



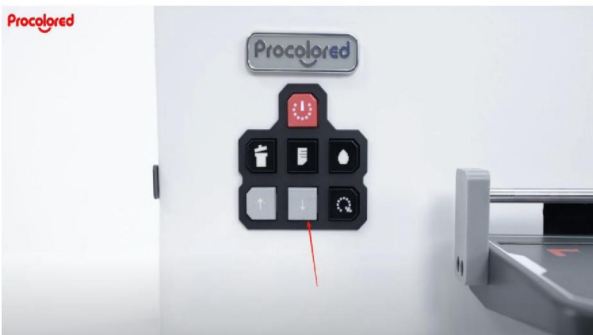
Step 4. The printhead moves while the power button flashes indicating the printer is working properly. (If the printer does not respond contact after-sales support immediately)



Step 5. When the power button stops flashing you can proceed to the next step.



Step 6. Film Rewind Button: press and hold to rewind the film.



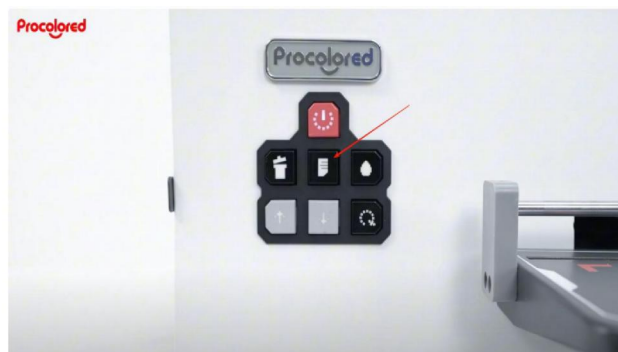
Step 7. Film Forward Button: press and hold to feed the film.



Step 8. Circulation Button: click and activate the white ink circulation.



Step 9. Delete Button: press and hold during printing to delete the print task.



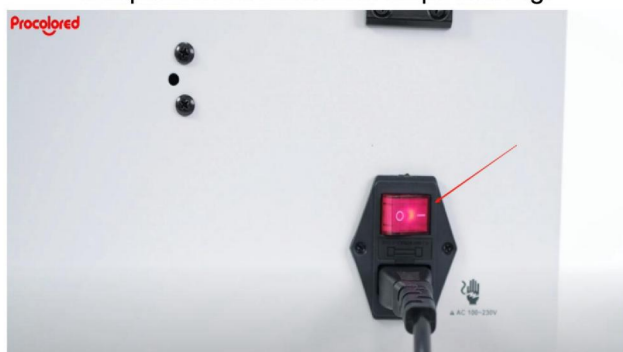
Step 10. Paper Button: click run a film test.



Step 11. Ink Drop Button: Press and hold until the power button flashes to activate printhead cleaning, cleaning is complete when the button stops flashing.

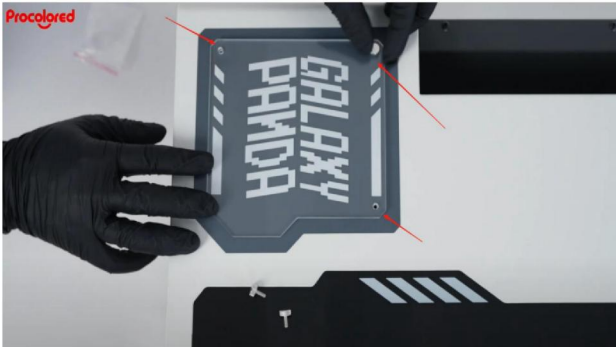


Step 12. Power Button: click to turn the printer on and off.

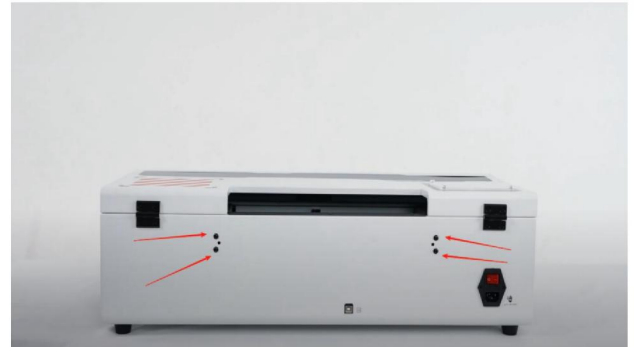


Step 13. Power switch: the main power control.

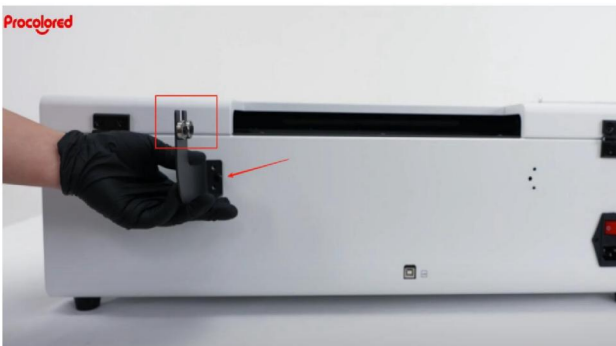
3. Install Roll Film and Tray



Step 1. Install the acrylic board, you can install the screw with fingers.



Step 2. Unscrew the 4 screws.



Step 3. To install the roll film bracket, make sure you install it in the correct direction. The side with roller should face inwards.



Step 4. Fix the 2 screws for the bracket.



Step 5. Do the same for the other one, then roll film bracket installed.



Step 6. Take out the roll film and check the introduction and remove the packaging.



Step 7. Loosen the screw on the roll film plugs.



Step 8. Fix the roll film plug on the rod.



Step 9. Fix the screws.



Step 10. put the roll film on the bracket, the arrow on the film should toward the printer.



Step 11. Pass the rod through the roll film, make sure the plugs fixed.



Step 12. Install the other side plug, fix the screws for the plugs. Then the roll film is ready.



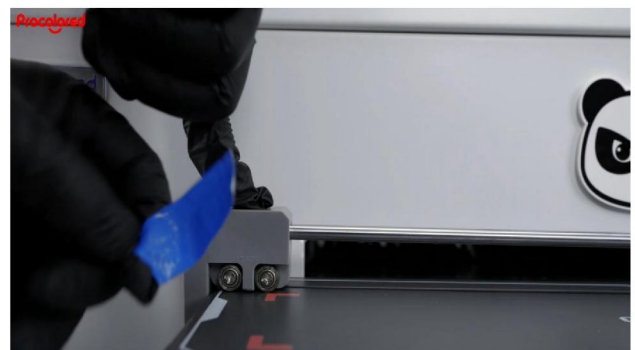
Step 13. Put the roll film on the bracket.



Step 14. Loose the 2 screws on the front, just loose without removing the screws.



Step 15. Put on the tray and cutter.



Step 16. Remove the tape on the cutter.



Step 17. The arrow on the film should toward the printer, put inside the printer.



Step 18. Feed the film with finger.



Step 19. Then press the feed button on the front.



Step 20. Move out the roll film, installation finished for the roll film.

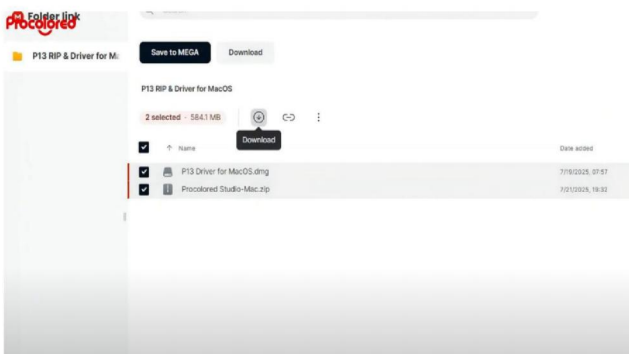
4. Install Printer Driver



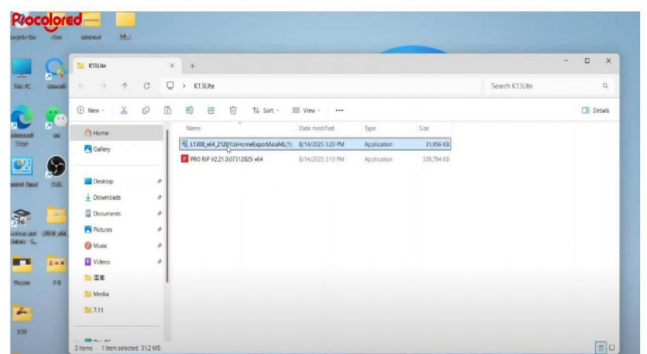
Step 1. Connect the printer's data cable to your computer's USB port. (Note: Do not use a USB hub as this may disrupt data transmission.)



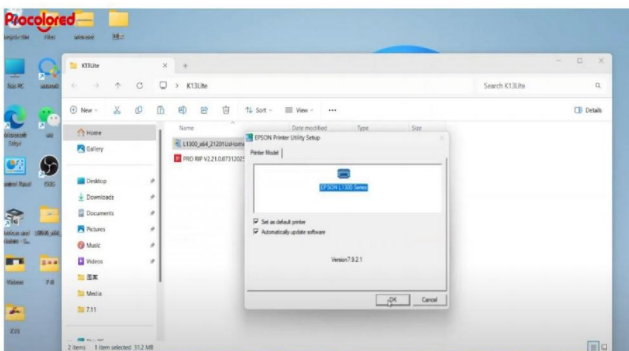
Step 2. The blue USB stick is the dongle for Pro RIP. Make sure plug in the blue dongle before running the software.



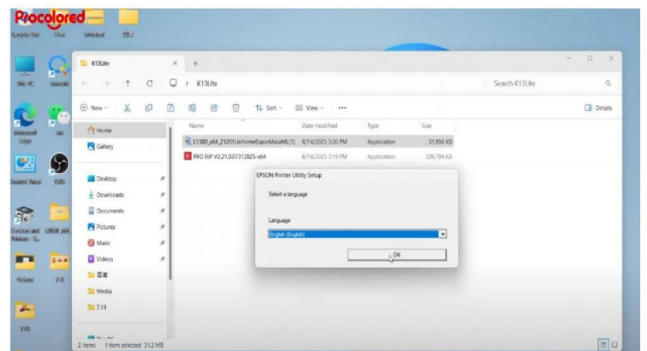
Step 3. Go to Procolored website to download the K13 Lite RIP software and driver.



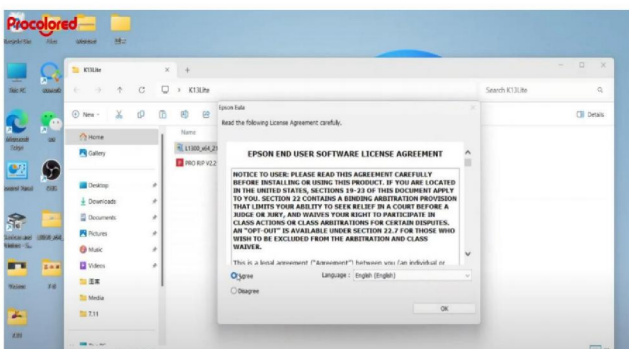
Step 4. Open the file, install the printer driver.



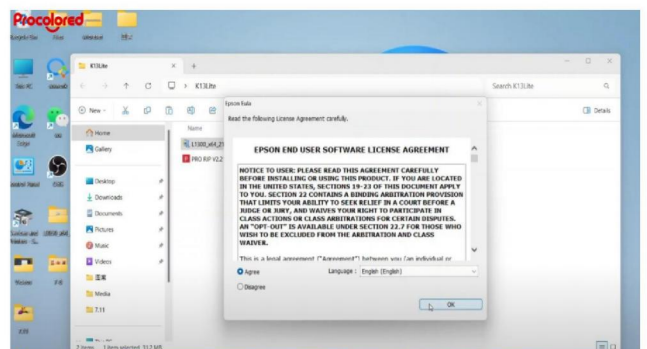
Step 5. Click ok.



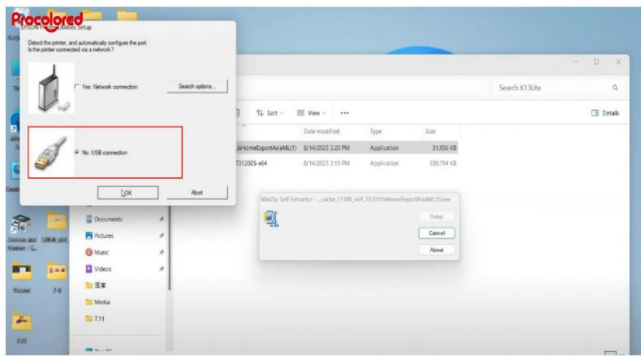
Step 6. Click ok.



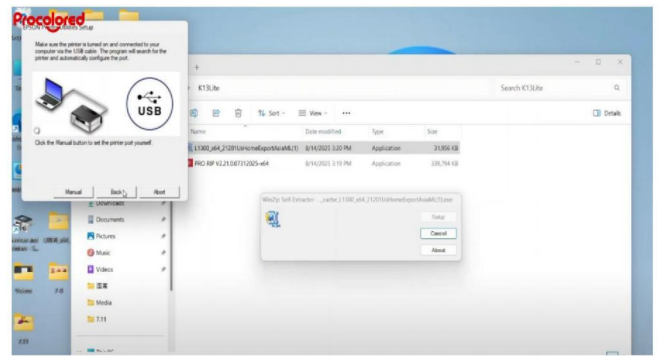
Step 7. Click Agree.



Step 8. Click ok.



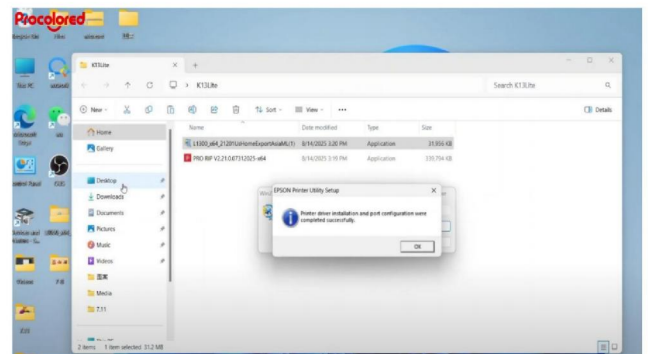
Step 9. Select USB connection.



Step 10. You need to power on the printer when you install the driver, so it can search the printer automatically.

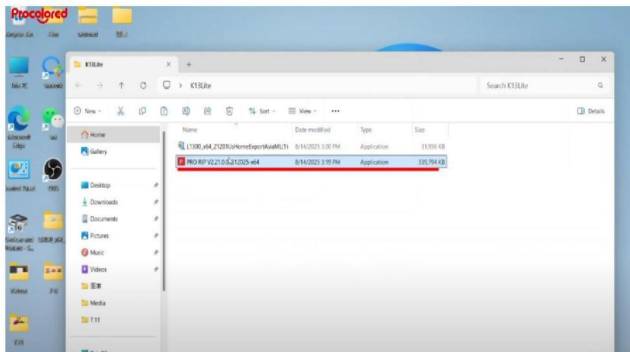


Step 11. Connect the printer's data cable and wait for the driver installation to complete.

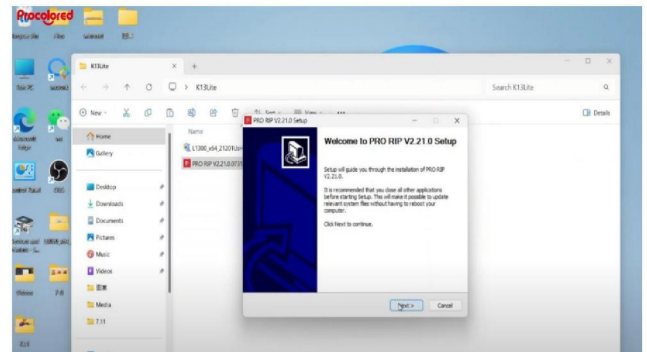


Step 12. K13 Lite printer driver installation completed.

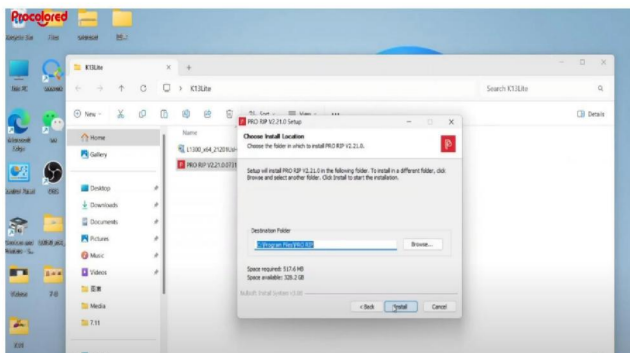
5. Install Pro RIP software



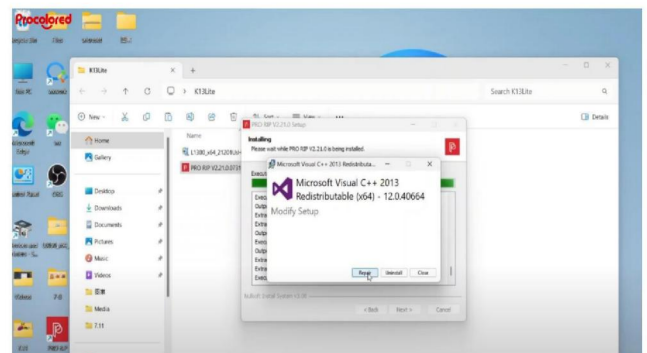
Step 1. Open the Pro RIP software exe file.



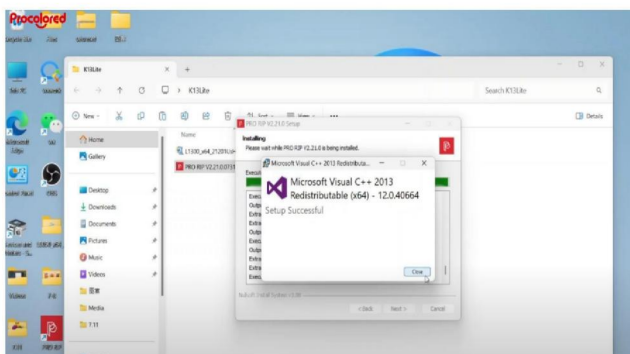
Step 2. Click next.



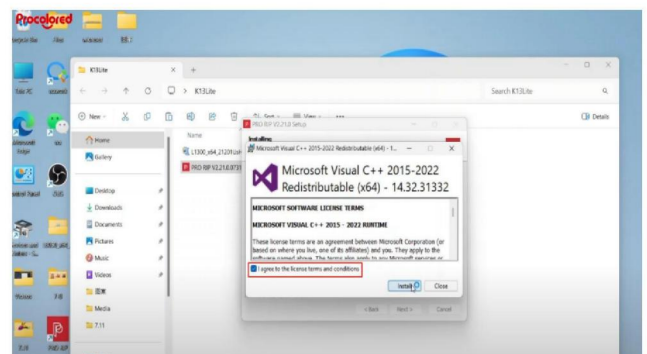
Step 3. Click install.



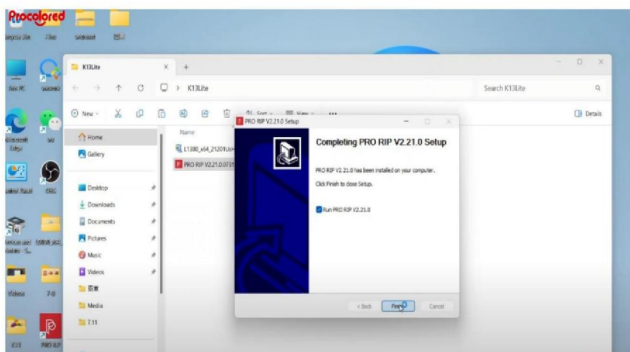
Step 4. Click Repair.



Step 5. Click Close.



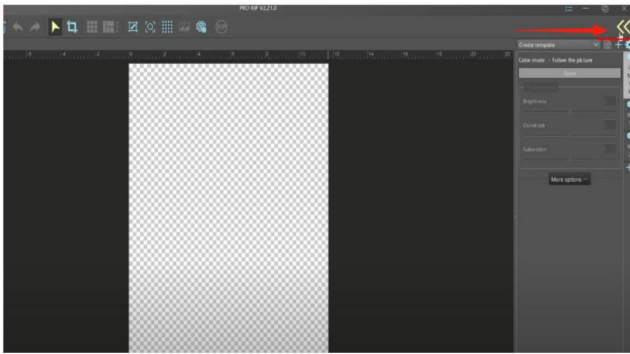
Step 6. Click Install.



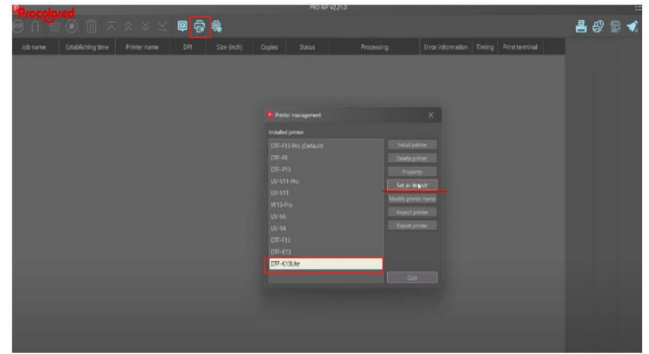
Step 7. Pro RIP installation finished.



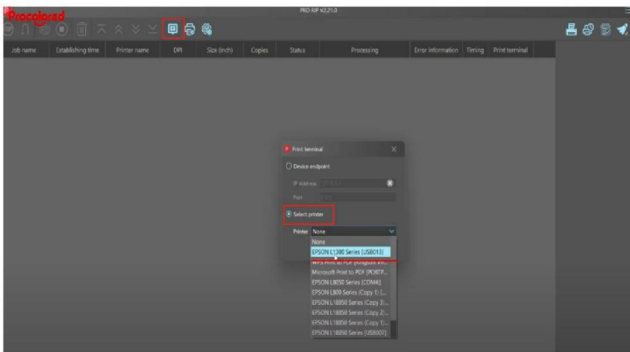
Step 8. Make sure plug in the blue dongle before running the software.



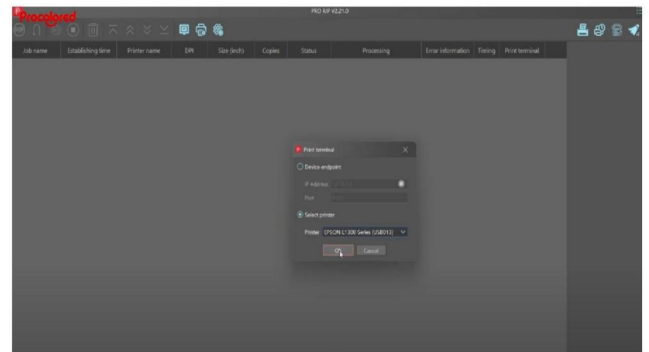
Step 9. After the software is started click the double arrow icon, go to the printing queue page.



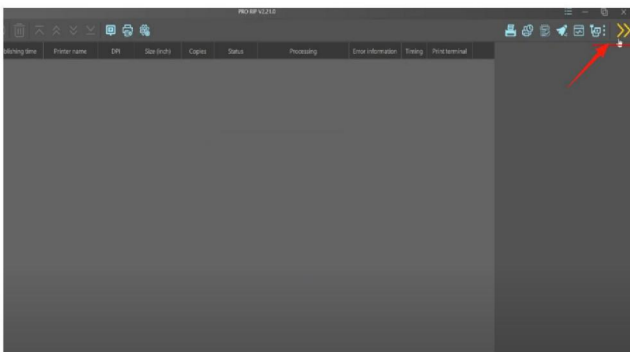
Step 10. Click the printer icon to set K13 Lite as default.



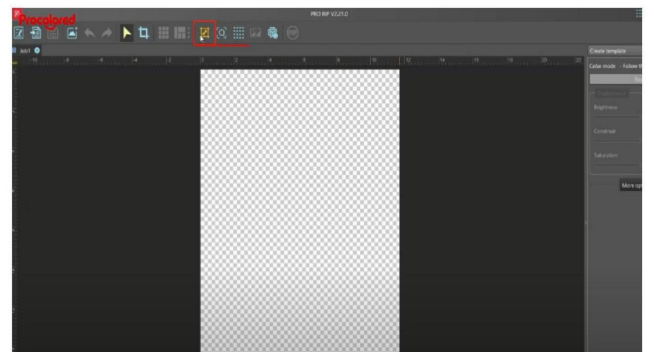
Step 11. Then click IP and choose Epson L1300.



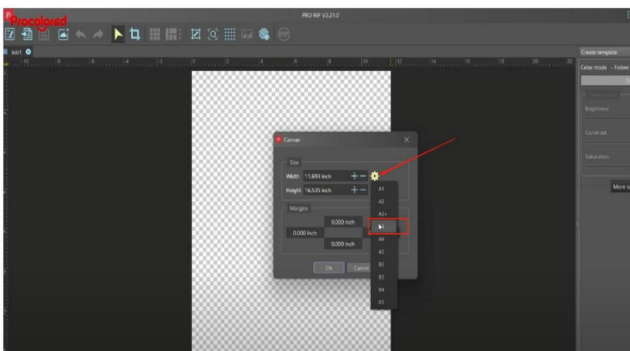
Step 12. Click OK.



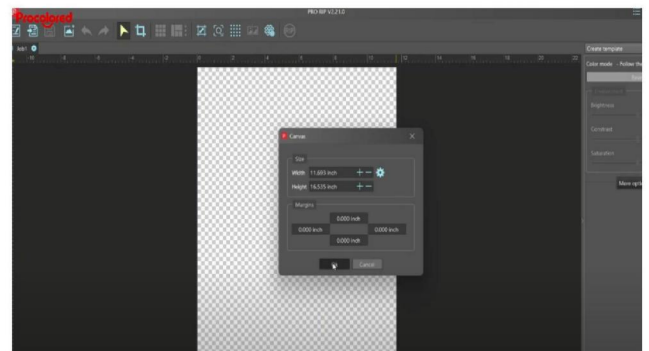
Step 13. Back to the canvas page.



Step 14. Resize the canvas.

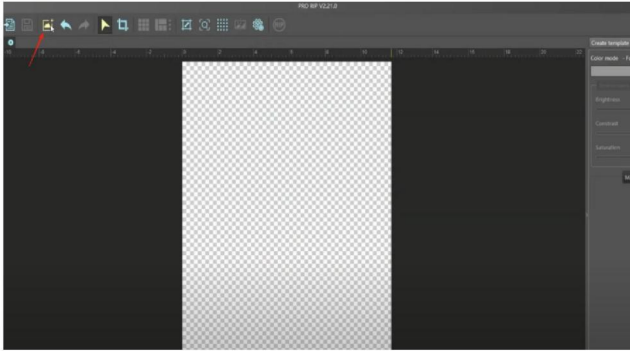


Step 15. Choose A3 size.

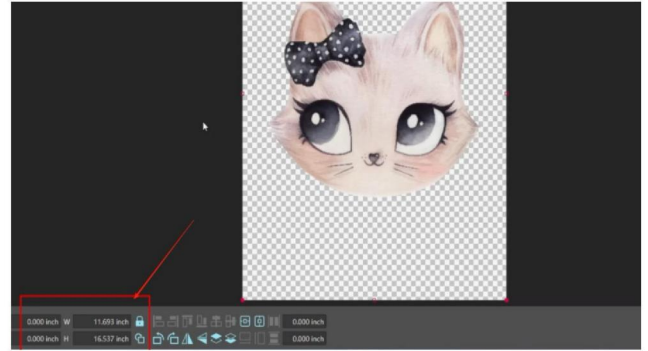


Step 16. Click OK, software setting complete.

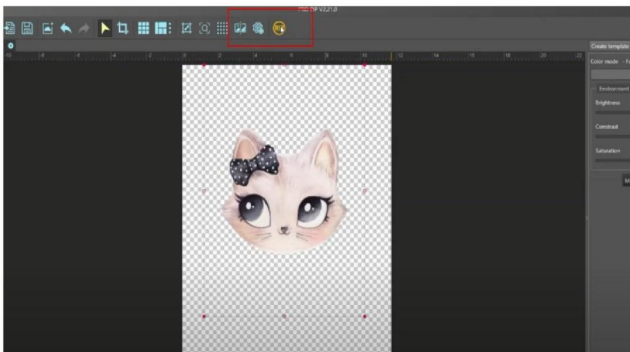
6. No-Ink Test Printing



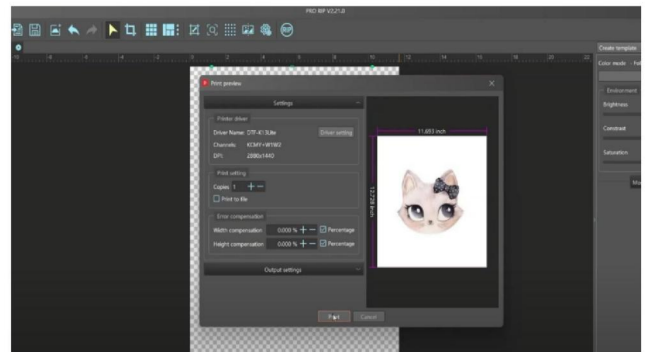
Step 1. Add a design.



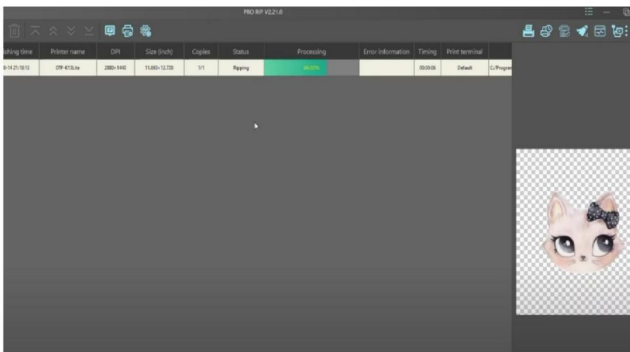
Step 2. Adjust the size of the design.



Step 3. Click RIP.



Step 4. Click Print to send the print job.



Step 5. Once the job is processed, the printer will start printing.



Step 6. The ink carriage starts moving to print. Indicates the printer is operating normally.



Step 7. If printing stops unexpectedly or the red light appears, please contact the after-sales support.



Step 8. Printing is complete when the ink carriage stops and the power button becomes solid blue, No-Ink printing test complete.

7. Add and Guide the Ink



Step 1. It uses CMYK and White ink in five colors, and this last one is the moisturizing liquid.



Step 2. Open the right side panel of the printer.



Step 3. Add white ink to W, add yellow ink to Y, add magenta to M, add black ink to K, add cyan to C.



Step 4. Before adding ink, check the label on the bottle and shake it vigorously to make it well mixed.



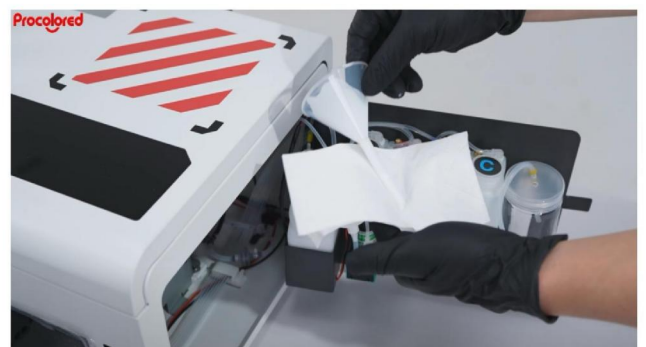
Step 5. Open the ink bottle and remove the sealing film.



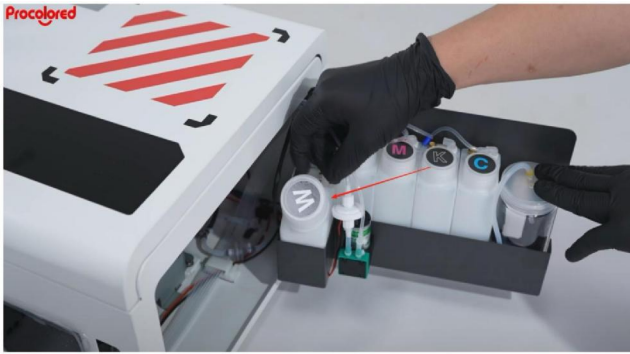
Step 6. Open the white ink bottle and place a funnel on top.



Step 7. Pour in the white ink until the bottle is about 70% full.



Step 8. Wrap paper around the funnel when removing it to avoid spills.



Step 9. Close the ink bottle cap.



Step 10. Repeat the same steps to add yellow, magenta, black and cyan inks.



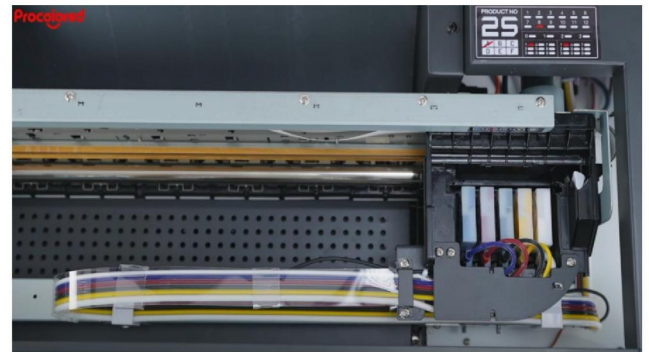
Step 11. Once all inks are added, close the side cover and turn on the printer.



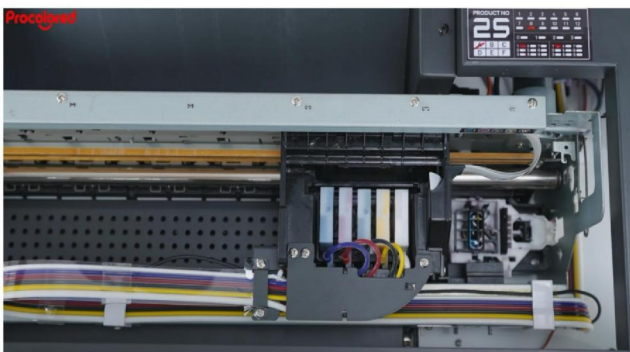
Step 12. After the printer starts, press and hold the One-Click Ink Guide Button for more than 10 seconds.



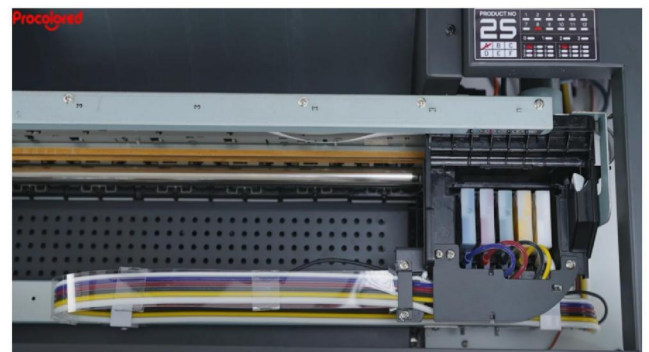
Step 13. After 4-5 seconds, the One-Click Ink Guide Button will start flashing indicating that ink guiding has begun.



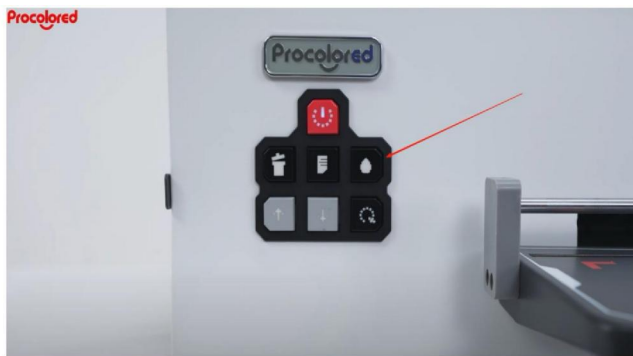
Step 14. Ink will automatically be drawn from the bottles through the tubes into the ink dampers.



Step 15. The printer will run a print head cleaning after the automatic ink guide.



Step 16. When the cleaning is complete, the ink carriage will move back to the right corner and stop.

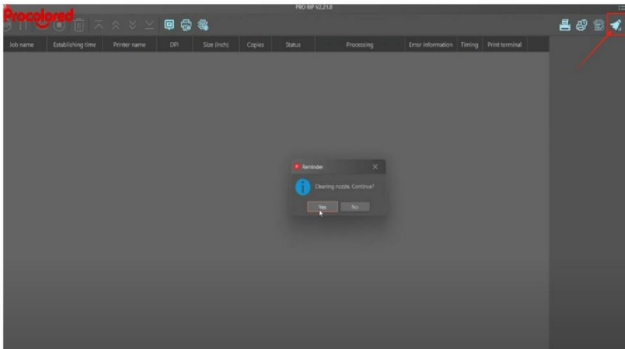


Step 17. Press and hold the Ink Button for 5 seconds to run a print head cleaning one more time.

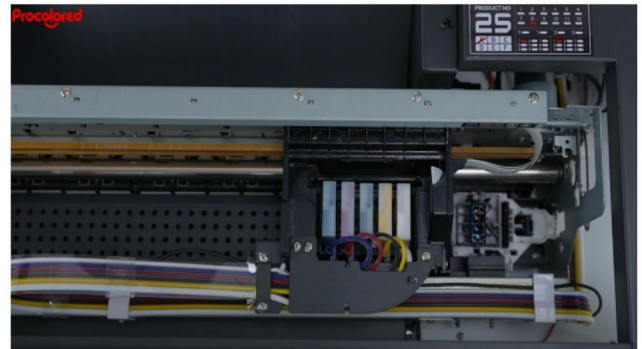


Step 18. Wait until the power button stops flashing this means the cleaning process is finished and you're finished all ink filling task.

8. Printing Patterns



Step 1. Click the top-right corner for head cleaning and then click Yes.



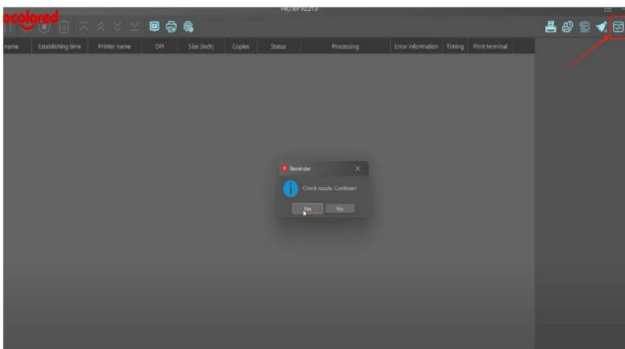
Step 2. The printer will perform a head cleaning cycle.



Step 3. Waste ink will be discharged through the waste ink tube.



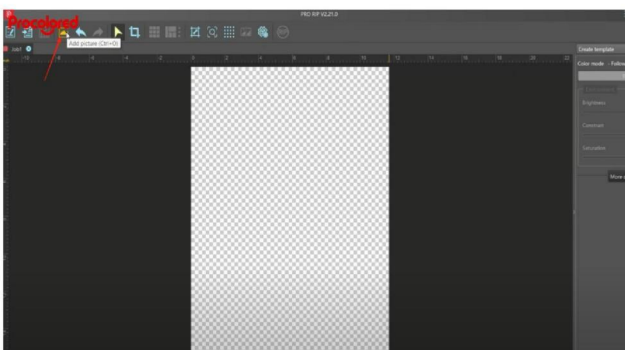
Step 4. When the power button stays steady, cleaning is complete.



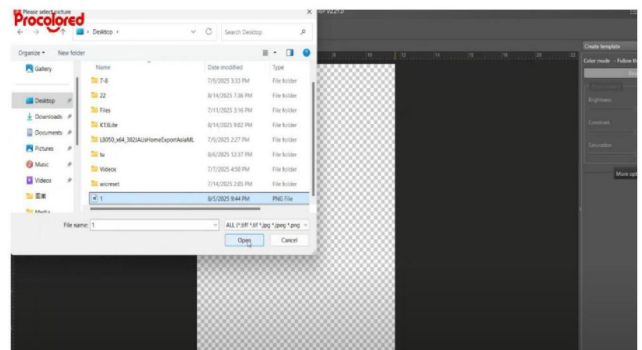
Step 5. Click nozzle check and click yes.



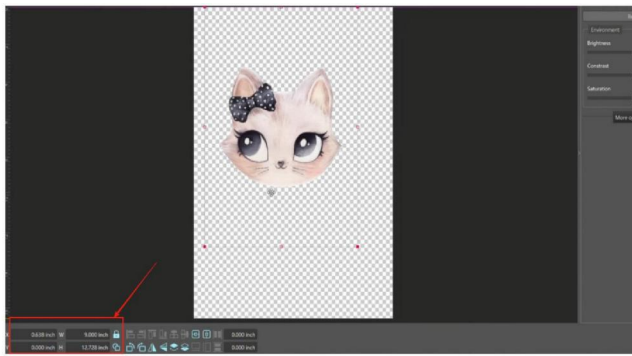
Step 6. Check the nozzle test pattern for completeness. Confirm everything is fine before printing your design.



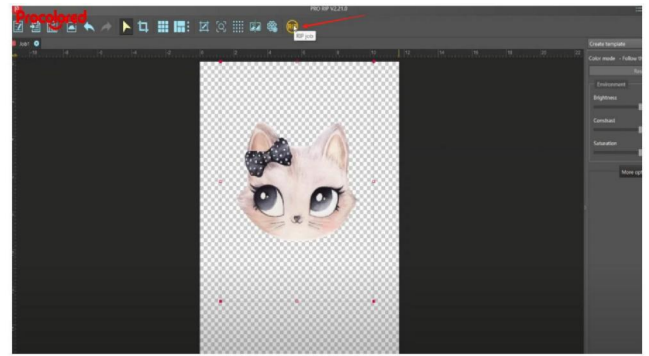
Step 7. Add the design you want to print on the canvas page.



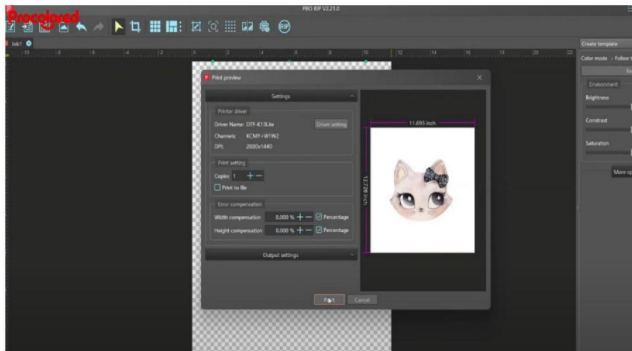
Step 8. Click open after selecting the design.



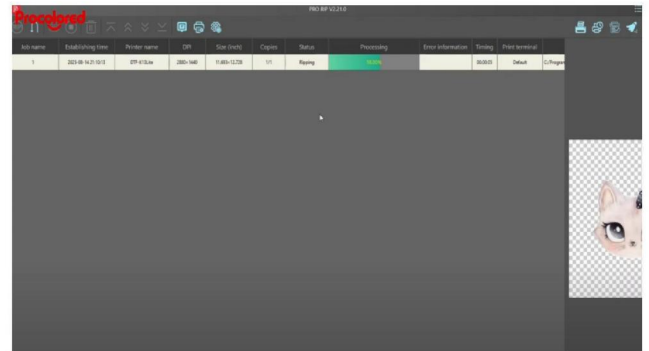
Step 9. Adjust the width and height of the design.



Step 10. Click RIP after adjusting the design.



Step 11. Then click print.



Step 12. Once the design is processed, the printer will start printing.



Step 13. Printing begins, the blue power light steady indicates printing is complete.



Step 14. After printing is finished long press the paper output button.



Step 15. Cut the film paper with a cutter. (Note: the white ink has not cured yet, do not touch the design.)



Step 16. Printing complete.

9. Baking Print with Procolored Smoke Free Curing Oven



Step 1. Check the oven's exterior, the lid, and the drawer should open easily.



Step 2. Make sure the oven voltage matches the local voltage.



Step 3. Plug in the power cord of the oven. Turn on the power.



Step 4. The numbers on the top indicate heating temperature, and the numbers on the bottom indicate heating time.



Step 5. Up in the time area means it is still in heating; you can adjust the timing setting.



Step 6. The down button is to lower the temperature.



Step 7. The up arrow is used to adjust the temperature setting.



Step 8. Click the set in the temperature area again to save the settings.



Step 9. Click the set in the time setting area, and adjust the timing for the curing oven.



Step 10. Click the down button to decrease the baking time.



Step 11. Click the up button to increase the baking time.



Step 12. Click the set again to save the settings.



Step 13. The default temperature is ok for general use.



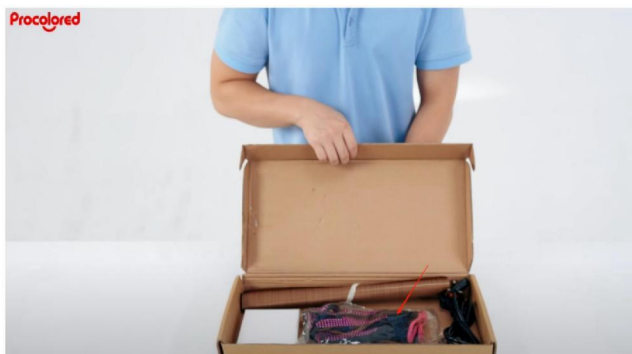
Step 14. When the up change to digital value means heating completed, the oven is ready to use.



Step 15. Apply adhesive powder to the white ink side of the printed design.



Step 16. Shake off excess powder on the film.



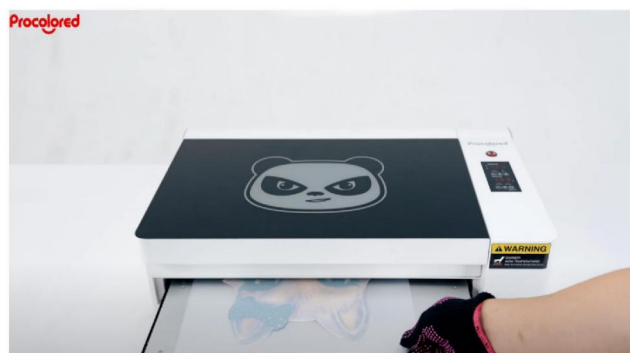
Step 17. Open the accessory box that comes with the oven, and take out the heat-resistant gloves.



Step 18. Wear gloves to prevent burns while operating the oven.



Step 19. Open the oven drawer.



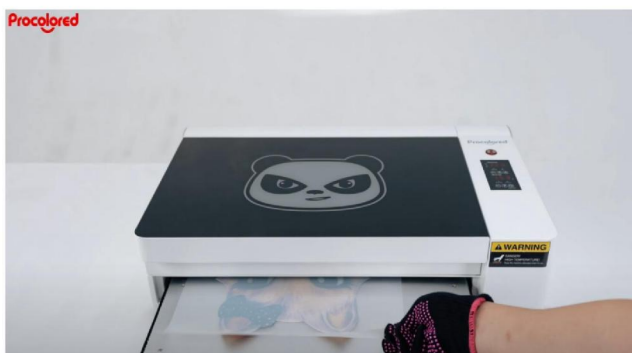
Step 20. Place the design with the white ink side facing up; put it inside the oven.



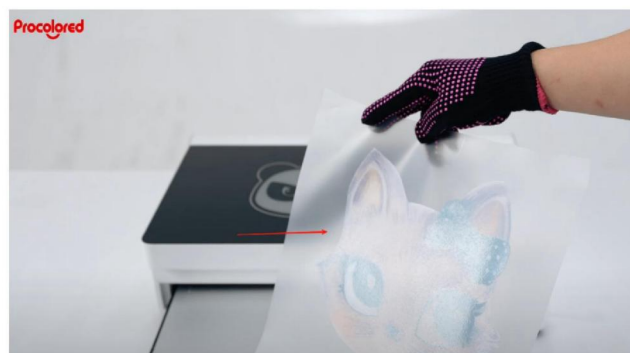
Step 21. Then press and hold the start button, and the oven will start the countdown for baking the film.



Step 22. An alarm will sound when the countdown ends. Press and hold the Start button to stop the alarm.



Step 23. Take out the baked design.



Step 24. Check if the powder on the back of the design has melted. An orange-peel texture indicates successful baking.

10. Transfer Pattern on T shirt



Step 1. Press the button to open the heat press.



Step 2. Place the garment to be transferred on the heat press and smooth it out.



Step 3. Press for 3 seconds to flatten the garment.



Step 4. Place the baked design with the adhesive powder side facing down on the garment.



Step 5. Place a teflon sheet over the film.



Step 6. Start the heat press and set the temperature to 160 degrees for 35 seconds.



Step 7. Wait for the countdown to finish.



Step 8. When the countdown ends, the heat press will automatically open.



Step 9. Remove the teflon sheet.



Step 10. Take out the garment after heat pressing.



Step 11. It is recommended to use a glass block to cool down.



Step 12. Once the design has cooled, slowly peel off the film along the edges of the design.



Step 13. Pattern transferring onto the T-shirt is complete.

11. Regular Maintenance



Step 1. Perform printer maintenance every 15 days. This helps reduce the risk of clogged nozzles.



Step 2. Open the printer cover.



Step 3. After powering on, the ink carriage will start self-check movements.



Step 4. When the ink carriage leaves the ink station.



Step 5. Turn off the printer immediately, move the ink carriage to the center.



Step 6. Use a cotton swab with warm water to clean the dirty ink in the ink station.



Step 7. Inject warm water into the ink station. Clean the ink station thoroughly. This allows smoother ink extraction.



Step 8. Use a syringe to draw out the warm water.



Step 9. Discharge of waste ink into the waste ink container.



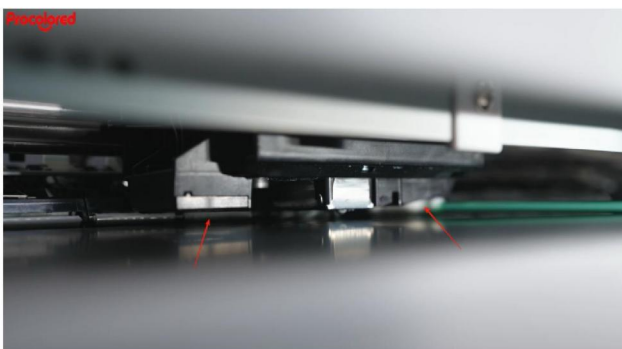
Step 10. Note: Once the printer ink bottle is opened, it must be used within 3 months. Otherwise, it may deteriorate, settle, and clog the printhead.



Step 11. Use a cotton swab with warm water to clean the bottom of the print head.



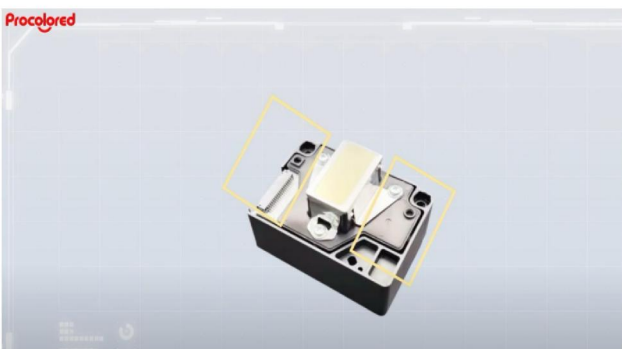
Step 12. Slightly lift the ink carriage; this allows easy insertion of the cotton swab.



Step 13. Clean the accumulated ink on both sides.



Step 14. Attention: Do not touch the mirror area. Do not clean the nozzle area.

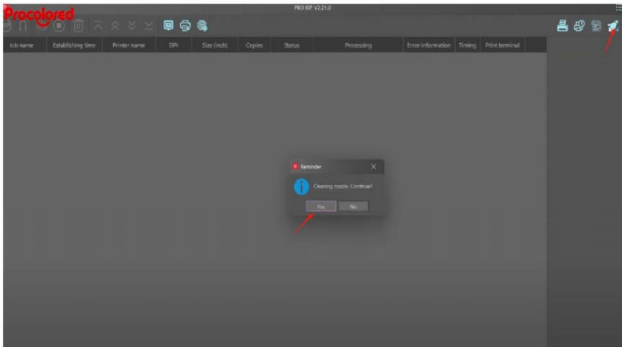


Step 15. Only need to clean the areas on both sides of the nozzles.

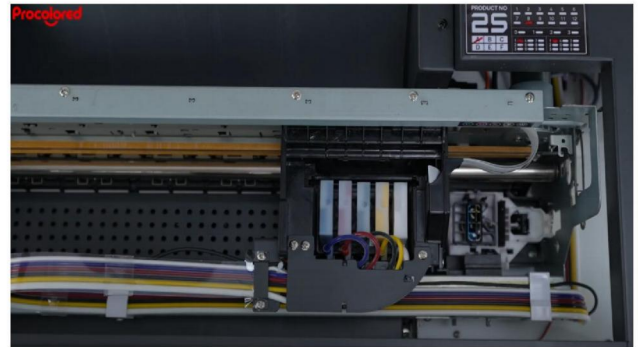


Step 16. Attention: After regular maintenance is completed, it is necessary to run a head cleaning to prevent clogging of the print head.

12. Daily Routine



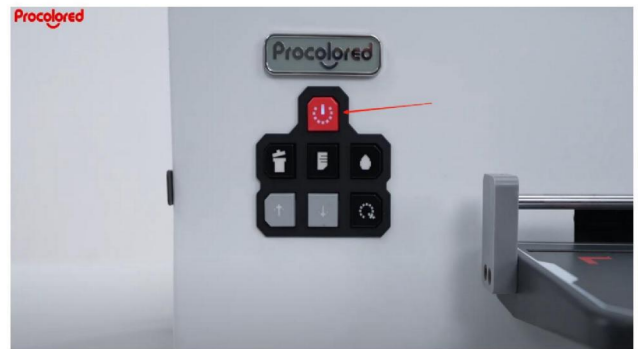
Step 1. Open the software and run the head cleaning.



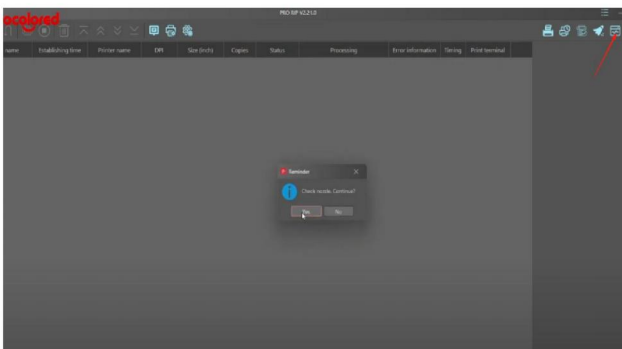
Step 2. The ink cart starts moving.



Step 3. And then discharges the waste ink into the container.



Step 4. The power button becomes solid blue, indicating the cleaning is complete.



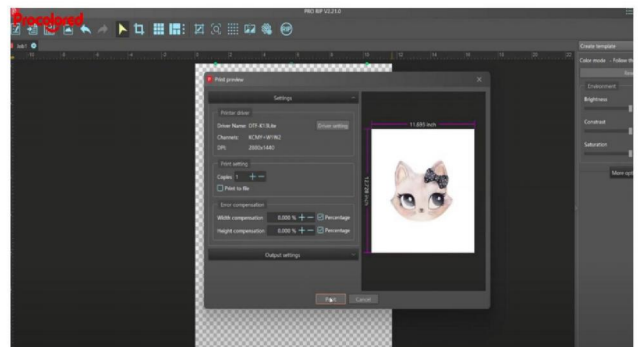
Step 5. Then send a task to do a nozzle test. Perform a head cleaning and nozzle check before printing your pattern every day.



Step 6. Please do another head cleaning if the nozzle check is not good.



Step 7. If the lines on the test page are complete, it indicates that the print head is good.



Step 8. And then you can start printing the pattern.

13. Daily Operation

Opening Procedures and Printing Steps:

- 1) Turn on the power switch at the back of the machine
- 2) Click the start button on the front of the machine, wait for it to flash for a few seconds to complete the startup process, the constant light represents the startup is complete, you can start printing
- 3) Click the arrow on the left side of the machine to load the print film
- 4) Perform a print head clean and nozzle check task in the software
- 5) Detect the result of print test, line drawings neatly without line breaks and no string of colors for the standard good state.
- 6) Send the design to the rip software and start printing your pattern

Closing Procedures and Maintenance Steps:

- 1) Make sure all print jobs have been completed or deleted.
- 2) Clean ink spills around the print head and at the capping station, and clean the encoder strip.
- 3) Ensure that the print head and capping station are properly sealed.
- 4) Click the Start button to turn off the printer.
- 5) Switch off the power button on the back to turn off the power.

Environmental requirements for daily use:

- 1) Keep the temperature above 22°C [71 °F], the temperature is too low will affect the activity and fluidity of the ink
- 2) Keep the humidity above 50%, dry environment will accelerate the ink solvent evaporation, more likely to lead to clogging
- 3) Oven baking will produce odor, it is recommended that it is placed in a ventilated location to reduce odor
- 4) machine and ink can not be direct sunlight, otherwise it may cause ink deterioration

	Daily Beginning of the Day	Daily End of the Day	Weekly	As Needed
Shake White Bottles	1			
Nozzle Check	1			
Head Cleaning	1			
Fill Ink				1
Clean Around Head		1		
Clean Wiper Blades		1		
Clean Capping Station Top		1		
Flush Capping Station Top		1		
Empty Waste Tank			1	
Clean Pinch Roller			1	Every New film
Clean Encoder Strip			1	
Grease Carriage Rail				1
Rinse Ink Container				1
Clean Encoder disk				1

14.Maintenance Plan

Maintenance Schedule

1. Shake White Ink Bottle: To prevent white ink from settling, please shake the white ink bottle every day.
2. Nozzle Test [Check]: Perform a nozzle test before sending a print job to ensure that you get good quality prints every time. Poor nozzles result in banding or over spray in the prints. Continue Printing if you can get 90% of the channels nozzles.
3. Head Cleaning: Perform this task when you are getting less than 90% of the channels nozzles. Perform Head cleaning is crucial to drain the capping station top and wipe the print head surface for nozzle test and or printing. After the head cleaning is done,perform a nozzle check to see if you can get 90% of the channels nozzles.
4. Power ink flush: Perform this when you notice any big missing nozzles or more than 50% of channels are missing, use a syringe to draw 5 ml of ink from the ink sac and 10-20 ml of ink from the waste ink tube, and then perform a Power Ink Flush task.
5. Clean Around the Head: It's important to clean around the head for any build-up inks at the end of every day. Build-up inks can get on to the print head from the wiper and can potentially damage the print head. **DO NOT USE ALCOHOL.**
6. Clean Wiper Blade: Same as cleaning around the head, making sure the wiper blade is cleaned. It is very important to obtain a good nozzle check. Any residue buildup can damage the print head and your head cleaning may not be effective. **DO NOT USE ALCOHOL.**
7. Clean Capping Station Cap Top: Keeping the capping station cap tops clean is one of the most important tasks. Your head cleaning may not be effective. Your printer may not draw out the proper amount of ink if there are a lot of build-up inks. **DO NOT USE ALCOHOL.**
8. Flush Capping Station Cap with Cleaning Solution: Fill cleaning solution on the cap after the end of the day maintenance and press the clean button to flush out the cap immediately. This will ensure the print head is sitting on the cap. **DO NOT USE ALCOHOL.**
9. Regularly check whether the ink sac is broken or leakage of ink occurs, if so, please replace the

ink sac in a timely manner to avoid ink leakage to the print head, causing the print head to burn out.

10. Empty Waste Tank: Regularly check the waste ink bottle. Waste ink will overflow resulting in a dirty work surface, Please ensure that the waste ink lines are not touching the waste ink. It may cause negative pressure, which can cause the waste ink to reverse the ink discharge resulting in the print head, circuit board into the ink, damage to the print head, the motherboard and other components.

11. Clean Pinch Rollers: Clean pinch rollers ensure that you have a consistent pull on the film. Film residues can make the roller miss the turns which can cause misalignment on the White and CMYK heads. Use a dry microfiber cloth or lint-free wipe to clean the rollers. Weekly-clean one side, As you replace the film to new, clean 360 degrees.

12. Clean Encoder Strip: The encoder strip can be cleaned with isopropyl alcohol, simply wipe both sides/check for any dents or ink splash.

13. Grease Carriage Rail: If you hear squeaky noise, it's time to grease the rails. Use heat-resistant gel/paste-based grease. **DO NOT USE A SPRAYER.**

14. Rinse the Ink Containers: Ink can settle inside the container, please contact with Procolored tech staff before performing this task.

15. Tech Support Contact Info

US support contact information:

Tel: +1 646 362 2251

Email: Support@procolored.com

Address: 1180 Centre Drive, Unit B, City of industry, California 91789 UNITED STATES

Procolored Online Tech Support Page:

<https://www.procolored.com/pages/support-resources>

16. Notice and Tips

1. Do not move or touch the film when the printer is in operation. This can cause a head strike.
2. Please never leave any liquid on top of the printer cover. A small spill can damage the printer.
3. Do not expose the ink, film, and powder under direct sunlight, or a humid area. Avoid high humidity, high temperature, and direct sunlight. These will deteriorate the quality of the film, powder, and ink and may cause an issue. Use silica packs, and keep the consumables in containers with a lid.
4. Make sure you park the print head carriage to the capping station [back to home position] at the end of the day, leaving it not sitting properly on the cap can dry up the head and clog the system easily. If you are not sure whether the print head is in position, perform a head cleaning [from the printer] to move the print head back to the correct position
5. Make sure the film is horizontal and centered on the printing platform. Otherwise the film creases causing a head strike and damage the printer.
6. Try to use the printer at least every 3 - 4 days. Use the moisturizer to protect the print head when not in use on holidays.
7. Not using the printer for more than 2 weeks can cause the water-based ink to dry up which clogs the head. If there are no print jobs available, please at least print a test strip to create a print job. Daily maintenance is still recommended.
8. Use the correct consumables. Not using proper consumables or using other branded films, ink, powder, cleaning solution, swab, etc can damage the printer. Mixing of different brands of consumables, such as ink mixing, may cause blockage of the print head.
9. Refill the ink in a timely manner and do not let the ink level drop below one-third. Before adding new ink to the machine, be sure to shake the ink bottle several times to stop the ink from settling before adding. Seal the remaining ink properly and store it in a well-ventilated environment protected from light.
10. Use Procolored original print heads. Other low-cost, substandard print heads are usually refurbished through an aggressive cleaning process and have a short life span and the potential to damage the printer's motherboard.
11. Do not use a syringe to manually flush the print head. If the liquid comes into contact with the

print head cable, it may damage the print head and the motherboard.

12. Printer out of service for more than half an hour, perform a print head cleaning task, and then continue to print, to avoid the situation of broken ink.

13. Do not use oversized syringes for ink extraction, as oversized syringes can cause damage to the print head due to excessive suction.

14. Do not manually inject cleaning solution from the nozzle position of the print head with a syringe, as this operation may easily cause damage to the print head and the motherboard.

15. Do not modify the machine yourself. Modification of the machine automatically voids the Procolored warranty and the machine is no longer warranted any more.

16. Please follow the maintenance schedule. Not following the maintenance can cause head clogs or serious printer damage.

17.Warranty Policy

Section One - Warranty Policy

1. Warranty Registration

We are committed to providing you with the best products and services. Please note that Procolored's official self-operated stores are available only on the official website and Amazon.

For components not directly contact with ink, a warranty period of 12 months since printer shipment date is provided, unless damage is user-induced. Register warranty on our website to get warranty on some types of printhead limited to one replacement.

2. Warranty Coverage

2.1 Mainboard

a. Mainboard for dual-head printer is not covered by warranty. Customers may send them in for repairs at their own expense.

b. Mainboard for single-head printer is covered by a 6-month warranty period since printer shipment date. Within this warranty period, you are eligible for one replacement.

2.2 Print Head and Related Components

No warranty is provided for print heads or components that may be damaged due to contact with ink. However, after warranty registration, the following print heads are covered by a 6-month warranty period since printer shipment date, limited to one replacement: [L1800, R1390, L800, L805, TX800, XP600].

2.3 Warranty for Other Accessories

Other accessories are covered by a 12-month warranty period since shipment date of the Procolored printer.

2.4 Disclaimer

a. The warranty for the ink-contact components requires the printer exclusively use Procolored

inks. Warranty coverage does not include the print head blockage resulting from the use of inks from other brands.

b. The warranty for printer-related components is subject to the shipment date of a Procolored printer.

c. The damage must not be caused by user negligence or misuse.

d. The damage must be confirmed by our customer service team or engineers as non-user-induced.

3. Warranty Costs

3.1 If the component within warranty period is damaged within one month of printer receiving, we will bear the cost of component and covering the shipping fees.

3.2 For damage reported after one month of printer receipt, we will cover the cost of component but will not cover the shipping fees.

Section Two - Return Policy

If the printer is received within one week and no ink is added, it can be shipped back in its original packaging, and returns and exchanges are accepted. If any ink has been added into the printer, we can not process returns or exchanges.

Please note that this warranty policy is subject to change, and any modifications will be posted on our website. For any warranty claims or inquiries, please contact our customer service team. For all customers who have purchased Procolored printer equipment but are beyond the 12-month warranty period, we offer extended warranty services, which include two programs: Remote Expert Service and Extended Warranty.