UNINET® DTF™

DTF™ 1200

USER MANUAL

Date	Version	Language
12/11/2025	1.1	English

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WARNING:

THIS PRODUCT HAS BEEN DESIGNED FOR PROFESSIONALUSE ONLY.
THE INFORMATIONCONTAINED HEREIN IS VERY IMPORTANT FOR PROPER INSTALLATION, OPERATION, MAINTENANCE AND SAFETY CONCERNING THE USE OF YOUR SYSTEM.

IT IS RECOMMENDED THAT ALL THE STAFF THAT WORK WITH AND / OR WHO ARE RESPONSIBLE FOR THE USE AND MAINTENANCE OF THE SYSTEM CAREFULLY READ THIS MANUAL AND BE FAMILIAR WITH THE NECESSARY PRECAUTIONS, OPERATIONAL AND MAINTENANCE PROCEDURES.

GENERAL SAFETY PRECAUTIONS

Make sure to read this information before setting up the machine and keep it handy for future reference. Do not attempt to use the machine in any way that is not described here or in the accompanying manuals. Misuse may result in unexpected accidents, fires, or electric shock. The process of heat transfer of textile ink to the film can be done on a variety of fabrics such as cotton and polyester. When printing using a DTF or DTG printer, you will first need to print to the DTF sheets / film. Then, add DTF powder to cover the print before curing. Wear protective masks when operating your DTF equipment and processes and operate in a well ventilated room with a filtration system.

The following are instructions that, if ignored, could result in serious personal injury.
These instructions must be followed for safe operation of the machine.

CHOOSING A LOCATION

- ATTENTION:
- PRINTER MUST BE SETUP ON A STABLE WORK SURFACE WITH NO WABBLE. INDUSTRIAL TABLES WITH CROSSBARS ARE RECOMMENDED. ANY WOBBLE IN THE TABLE CAN CAUSE A RYTHMIC MOTION CAUSING PRINT DEFECTS
  Do not place the machine close to flammable solvents such as alcohol or thinners.
- Do not install the machine in a location that is unstable or subject to excessive vibration.
- Do not install the machine in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.
- Do not place the machine on a thick rug or carpet.
- Do not place the machine with its back attached to the wall.

POWER SUPPLY

- Use the power cables included with the machine.
- Connect the machine to the specified power source(s).
- Never attempt to plug in or unplug the machine from the power supply when your hands are wet.
- Always push the plug all the way into the power outlet.
- Never damage, modify, stretch or excessively bend or twist the power cord. Do not place heavy objects on the power cord.
- Never plug the machine into a power socket that is shared with other equipment (extension lead/cord, 2- or 3-way adapter, etc.).
- Never use the machine if the power cord is knotted.
- If you detect smoke, unusual smells or strange noises around the machine, immediately unplug the machine at the power supply and call for service.
- Periodically, unplug the machine and use a dry cloth to wipe off any dust or dirt collected on the plug and the power outlet.
- If the machine is placed at a location exposed to a lot of dust, smoke, or high humidity, the dust collected on the plug absorbs moisture and may cause insulation failure and fire.
- If you hear thunder, disconnect the power supply of the machine and refrain from using it. Leaving the machine plugged in may cause fire, electric shock, or damage to the machine depending on the thunder storm.
- Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.
- Never remove the plug by pulling on the cord. Pulling the cord may damage the power cord, leading to possible fire or electrical shock.
- Do not use an extension lead/cord.

CLEANING THE MACHINE

- Always unplug the machine from the power outlet before cleaning the machine.
- Use a damp cloth to clean the machine. Never use flammable solvents such as alcohol or thinners.
- If flammable solvents come in contact with electrical components inside the machine, it could cause a fire or electric shock.
- If you accidentally switch the machine on while cleaning it, you could injure yourself or damage the machine.

MAINTAINING THE MACHINE

- Do not attempt to disassemble or modify the machine. There are no user serviceable parts inside the machine.
- The machine contains high-voltage components.
- Never attempt any maintenance procedure not described in this information.
- Do not connect other than recommended devices to a connector on the machine (the cable connector or the USB port etc.). It could cause a fire or electric shock.

WORKING AROUND THE MACHINE

- Do not use highly flammable sprays near the machine. This could cause a fire or electric shock if the spray comes into contact with electrical components inside the machine.
- This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please move away from this product and consult your doctor.
- Never put your hands or fingers in the machine while it is printing. When moving the machine, carry the machine at both ends with two people. Accidental dropping of the machine can cause personal injury and damage to the machine.
- Do not place any object on the machine. Especially do not place metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the machine.
- Be careful to prevent foreign objects from entering the inside of the machine. If any foreign objects (metal or liquid) fall into the machine, press the power button to turn the machine off, unplug the power cord, and call for service.
- Do not transport or use the machine on a slant, vertically or upside-down, as the ink may leak and damage the machine.

PRINTHEADS, INK TANKS & CARTRIDGES

- Keep ink tanks out of the reach of children.
- Do not swallow.
- In case ink gets in contact with skin, wash with soap and water immediately. If irritation to eyes or skin persists, obtain medical advice immediately.
- Never touch the electrical contacts on a Print Head or cartridges after printing. The metal parts may be very hot and could cause burns.
- Do not throw ink tanks and cartridges into fire.
- Do not attempt to disassemble or modify the print head, ink tanks and cartridges.

EUROPEAN UNION (AND EEA) ONLY

This product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for- one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Al the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. (EEA: Norway, Iceland and Liechtenstein.)

WARNING: WORK IN A WELL VENTILATED AREA and use protective equipment when working with DTF products and processes. UNINET highly recommends the use of a fume extractor to handle the fumes caused by TPU adhesive powder curing. Bodily protection, including the use of PPE equipment such as a full body covering, a respirator / N95 mask, goggles and gloves are recommended to protect against TPU adhesive powder (prior to curing) that may become airborne due to handling. Inhalation of TPU adhesive powder or fumes may be hazardous to your health. The use of DTF equipment, chemicals, powders, inks and all accessories are at the sole risk of the user. DTF equipment is intended for use in a commercial environment. UNINET does not recommend the use of DTF equipment in a residential, or in-home setting. DTF inks and film require a good humidity environment - over 50% humidity is highly recommended to minimize risk of ink clogs and film buckling.

TECHNICAL SUPPORT

You should always contact an authorized dealer of UNINET™ for assistance or for any technical request during normal business hours. Keep all original packaging material in the unlikely event that your printer requires service. If you have any questions after the setup, you can always reach us at: dtfsupport@icolorprint.com or call (631)590-1040, option 3.

GENERAL INFORMATION

PRODUCT DESCRIPTION

The DTF-1200 printers are based on inkjet technology for use on specialized PET film. With high print speeds (up to 45sq ft/hr) and exceptional resolution, the DTF-1200 can print high-quality photos and vector graphics using RIP software.

To make sure you get all the benefits from your DTF-1200, please read all the pages that follow.
When performing test prints, you can print directly to regular paper, by feeding the paper just like you would a regular printer.

IDENTIFICATION

Brand: **UNINET DTF**
Model: **UNINET DTF-1200**

GENERAL WARNINGS

- The minimum age of staff/operators is 18 years old.
- Keep away from children or untrained operators.
- All persons involved in the use and maintenance must have read and understood this manual.
- Persons under the influence of alcohol or drugs must not operate, or service the product.
- Any faults that may arise should be reported immediately. In case of anomalies that may affect personal safety, the product must not be used until the fault is cleared.
- During operation and maintenance wear personal protective equipment as instructed and follow all safety instructions according to the regulations.

WARRANTY

WARRANTY PERIOD

The printing system is warranted to be free from manufacturing defects under the conditions described in the following paragraph, for a period of 1 year from the date of purchase.

The materials of UNINET DTF™ are warranted to be free from defects in material workmanship. UNINET DTF™ cannot be held responsible for the misuse of its products (such as improper handling or printing methods, utilizing non- genuine UNINET DTF™ inks) or any other improper use by customer. The customer is required to use the equipment as prescribed in this manual.

UNINET DTF™ cannot be held responsible for:

- Loss or damage to goods occurring during transport.
- Damage or defects in the goods caused by any act, neglect or default on the part of the customer or third parties.
- Damage resulting from defects in the goods caused by defects in materials or workmanship, if not objected in writing within 8 days after delivery of the goods.

The replacement of defective material during the first twelve months from the date of purchase of the machine will be borne by UNINET DTF**™** except for damage or otherwise not dependent on manufacturing defects.
The warranty excludes consumable or wear/tear parts such as print heads, cartridges, ink, wiper, dampers, pipes, pumps and caps.

RESPONSIBILITY

The total liability of UNINET DTF™ cannot, in any case, exceed the value of the defective, damaged or not delivered goods, calculated on the basis of the prices charged on the invoice. UNINET DTF ™ cannot be held liable for damages of any kind arising from failure to fulfil its obligations due to force majeure (strikes, accidents, disasters, etc...). In such cases, the Buyer shall not be entitled to any compensation.

LOSS OF WARRANTY

Warranty voided in the event of any of the following:

- Disassembly or modifications to the printer of any kind (including electrical, mechanical, hydraulic, pneumatic, etc.).
- Use or maintenance of the printing system other than as intended or indicated in these instructions.
- Use of unsuitable materials and inks or cleaning fluids that are not genuine UNINET DTF**™**.
- Insufficient monitoring of parts subject to wear/tear.
- Damage as a result of voluntary or involuntary maintenance of machinery and equipment located in the vicinity of the product.

UNINET DTF**™** assumes no liability for tangible and intangible assets to persons and / or property, the warranty becomes void immediately and certifications / declarations of conformity are no longer valid.

JURISDICTION

Any dispute will be referred to Suffolk County, NY, USA.
The terms shall be construed expressly accepted without reservation.

INSTRUCTIONS FOR USE

PREVENTION OF MISUSE REASONABLY EXPECTED

- Do not place any objects other than print media provided on the floor of the press.
- Do not place any object on the printer, especially while it is operating.
- Do not remove the power supply and do not turn off or unplug the printer while it is printing or while a computer is configuring the printer or sending files.
- To turn on and turn off the printer use the power switch.
- To disconnect cables from printer, remove the connector from the port directly, never pulling on the cable itself.
- Do not force the print media not in accordance with the provisions of the normal operation of the printer.
- Do not use media other than those specified.
- Do not expose to electromagnetic fields of high intensity.
- Do not expose to temperatures and / or humidity outside the allowable ranges.
- Do not subject to vibration and / or mechanical shock outside the allowed ranges.
- Do not spill liquid on the printer and / or handling system of the media.
- Inspection and repair should be performed by trained personnel as recommended by UNINET DTF™ - tampering, improper use, repairs and / or action taken by anyone not authorized by UNINET DTF™ void the warranty.

CAUTIONS ON USING THE MANUAL

This Operation and Maintenance Manual provides basic information for using the printer UNINET DTF™ 1200. It describes how to remove the printer from the box, select and load print media, install the RIP printing (optional) on your computer and choose the software settings for the best printing results. The Operation and Maintenance Manual is an integral part of the product and must be retained. A copy should be stored in a place protected from all agents that can damage and accessible for easy reference.

UNINET DTF™ implements a policy of continuous development and improvement. UNINET DTF™ reserves the right to make changes and improvements to this manual and / or product specifications without notice. Therefore, the contents of this manual and specifications of the product described herein are subject to change without notice and without obligation. Reproduction, transfer, distribution or storage of part or all of the contents of this document in any form is prohibited unless prior written approval from UNINET DTF™.

READ THIS FIRST

The safety instructions are intended to prevent injury and damage to both the product and the environment. All operators are required to read and constantly observe these safety instructions.

DISCLAIMER

The company UNINET DTF ™ assumes no responsibility:

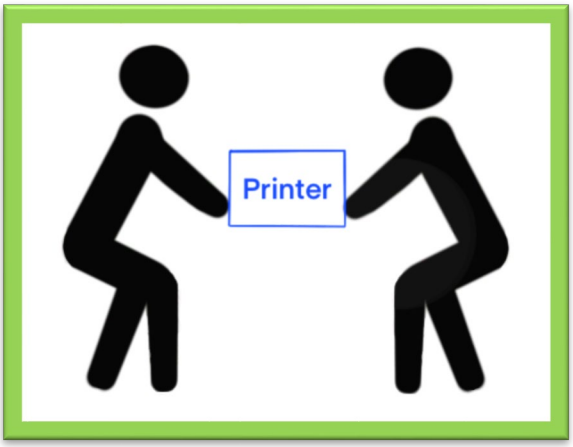
- For any personal injury and property damage, environmental and / or operating arising from incomplete or non-compliance with operating and maintenance instructions.
- If you are experiencing personal injury, property damage and / or faults caused by misuse of the products and / or aftermarket parts and / or different from those recommended in the specific operating and maintenance or UNINET DTF™ **.**

UNCRATING THE PRINTER

First, remove the two boxes containing the accessories for the printer. Then, with the assistance of a second person, carefully team lift the printer out of the crate and place it on a flat and stable surface. When lifting heavy objects, be sure to bend and lift with the knees to avoid any injuries.

KEEP THE ORIGINAL BOX AND PACKAGING FOR FUTURE TRANSPORT!

REMOVE THE PRINTER FROM THE BOX AS SHOWN IN THE IMAGE BELOW.
RIMUOVERE LA STAMPANTE DALLA SCATOLA COME MOSTRATO NELLA FIGURA.
DÉPLACER L'IMPRIMANTE DE LA BOÎTE COMME INDIQUÉ DANS L'IMAGE CI-DESSOUS.
REMOVER LA IMPRESORA DE LA CAJA COMO ESTA INDICADO EN EL DIBUJO SIGUIENTE.



PLACEMENT OF PRINTER

This printing system must be placed in a dedicated environment, temperature controlled throughout the year with a temperature range of 60°F to 70°F, with relative humidity controlled between 50% and 65%, non-condensing, away from direct sunlight sun, dust and dirt, vibration-free, protected from mechanical impact and / or shock. Daily, accurate maintenance must be performed on this printing system, using the appropriate accessories and cleaning agents.

MATERIALS

- Hygrometer
- Waste Tank
- RIP Software
- Control Software
- x6 Syringes
- Green Plastic Priming Tips
- Foam Cleaning Swabs
- x1 Power Cable
- x1 Ethernet Cable
- x1 DB25 Cable
- Control Panel

FILM ROLL SETUP

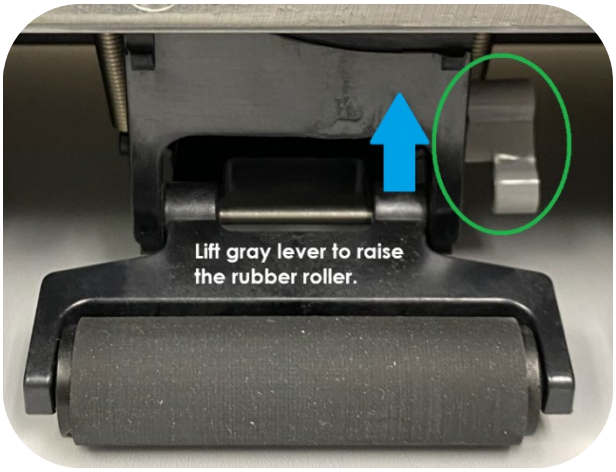
The film holder is comprised of: x2 large side brackets, x2 silver hexagonal rods, and x2 black securing nobs.

1. First, insert the 2 silver hexagonal rods through the designated holes located on the backside of the printer.

2. Next, attach the 2 large side brackets to either ends of the silver rods with the large black part facing inwards; do not tighten the secure nobs yet.

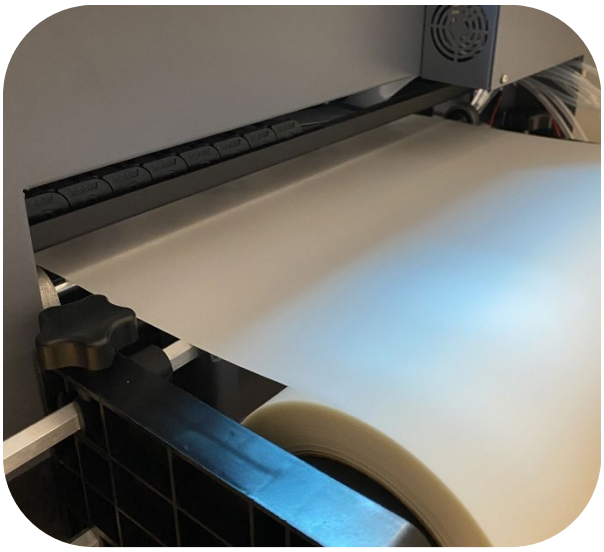
3. Then, add the film roll to the large brackets ensuring that they are flush to the roll's cardboard core; the film roll should be positioned so that the film feeds over the roll, not under.

4. Once the film roll has been attached and centered, tighten the 2 securing nobs to ensure the roll has no chance to shift.



5. To feed the film through, the rubber rollers first need to be lifted which can be done from the front of the printer by pushing up the little gray lever next to each of the rollers.

6. With all rollers lifted, pull the film through ensuring it goes over the silver bar in the rear and under the 2 silver guides on either side of the printing platform.



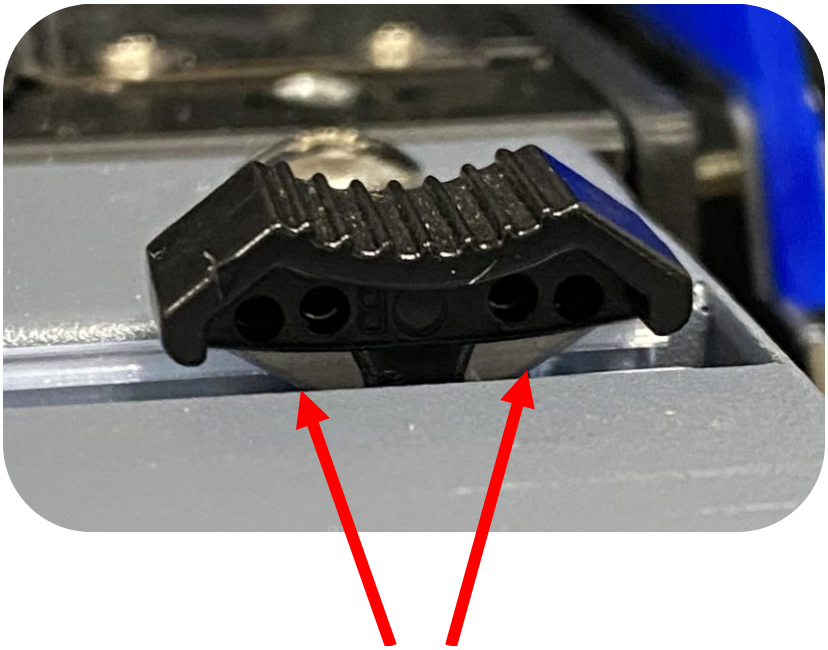
↑ Film Feeding Over Silver Bar ↑

↑ Film Fed Under Silver Guides ↑

BUILT-IN FILM CUTTER

At the end of the printing platform, there is a small slope which has a built-in film cutter.

When using the cutter, the film should be held firmly and tightly to ensure a nice smooth and clean cut.



INK TANK SETUP

After you setting up the film, it is time to setup the ink tanks and their respective lines.

First, the ink tank holder needs to be connected to the machine. On the left-hand side of the printer located on the top back portion, there are 2 holes, using Philip's head screws that came with the machine, secure the holder so that the tanks face the back of the printer. The image below is an example of how the ink tank holder should look once correctly connected to the printer.

Once the ink tank holder is connected, place the labelled ink tanks in the holder with the white tank being on the end.

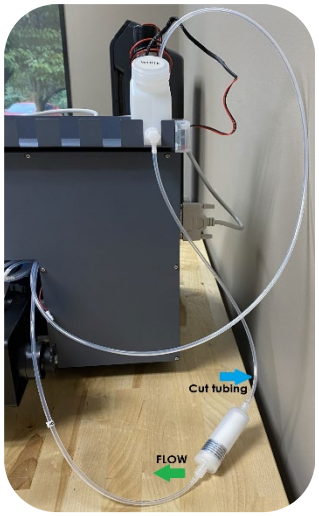
Before connecting any lines to the ink tanks, be sure to slide on a line clip to each line that gets attached to a spout.

After all 5 ink tanks have been set in the correct configuration, it is time to connect their lines. There are colored markings on each of the lines to be able to tell what tank they correspond to. Connect each one of the color labelled lines to the spouts of the same colored ink tank.

Ink Line Color Labels

There are 2 lines for the white ink tank, one line has a color indicator band on it and the other does not. The ink line that does not have the color band connects directly to the top of the white ink tank. Before the ink line with the color band can be connected, a filter needs to be added; the filter was included in one of the accessory boxes that came with the printer.

White Ink Filter



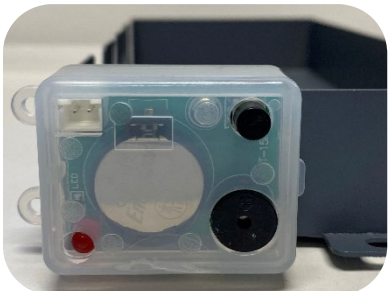
To add the filter, first cut the white ink line with the color band on it in half.
Then, take the filter and connect the piece of cut tubing to the end that is not labeled and to the spout of the white ink tank.
Lastly, connect the end of the filter labeled with the flow direction to the tube that is coming out of the printer that you had cut.
The final setup should look like the photo.

WHITE INK LEVEL ALARM & STIRRER

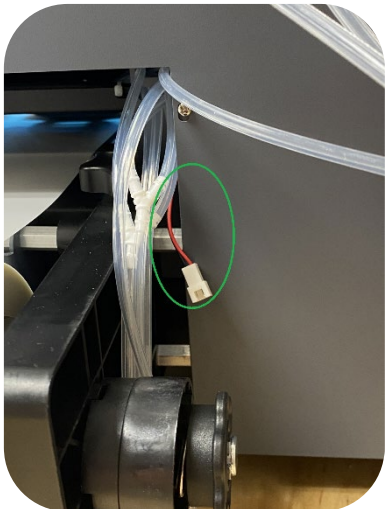
After the ink tanks and tubing have been set up, the wires for the white ink stirrer and ink level alarm need to be connected; both wires are located at the top of the white ink tank.

The shorter braided wire is for the ink level alarm, which plugs into the small box located on the ink tank holder next to where the white ink tank is sitting. After the wire is plugged in, seat the battery (CR2032) and push the small black button to verify that the alarm is working properly; the alarm will stop beeping once the tank has been filled.

The longer wire is for the ink stirring auger attached to the white ink tank, which plugs into the wire connection located on the right-hand side of the film holder on the backside of the printer.



Connects Ink Level Alarm

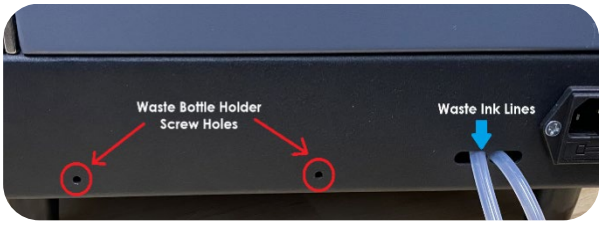


Connects to Stirring Auger

Ink Stirrer Wire (Left)
&
Ink Level Alarm Wire (Right)

WASTE BOTTLE SETUP

The waste bottle has a holder it sits in which attaches to the right-hand side of the printer using 2 Philip's head screws.



Set Up Waste Bottle

CONNECTING CONTROL PANEL

The control panel for the printer connects via a DB25 cable which comes with the machine.
On the control panel, the cable port is located at the top.
On the printer, the cable port is located on the left-hand side of the machine above the Ethernet port.

DB25 Cable

Control Panel

DB25 Port on Printer →

Ethernet Port on Printer →

CONTROL SOFTWARE SETUP

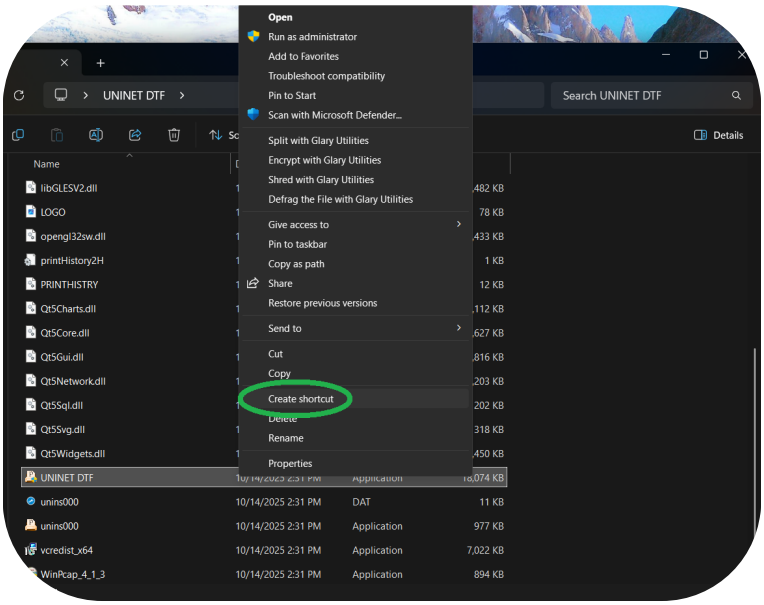
The following steps explain how to install the control software.

1. Download the program's zip file.

2. Unzip and extract all files to the default location.

3. Go into the folder that contains all the extracted files and right-click on the application file named "UNINET DTF" to run it.

4. It is recommended to have this program on your desktop; to do so just right-click the file, select "create shortcut" then drag the shortcut file from the folder directly onto your desktop.



FIRST TIME START-UP

Now that the printer is assembled and all preliminary steps have been completed, it's time to turn the printer on!

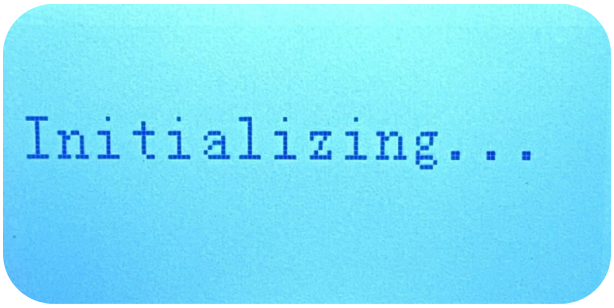
The following steps will walk you through the first time start-up of your new machine.

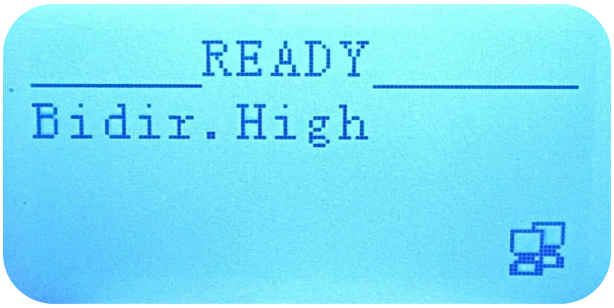
1. Remove the white secure clip from the carriage belt to allow it to move properly when powered on.
2. Securely attach the power cable to the printer and to a known good outlet.
3. Flip the blue power switch located on the right-hand side of the printer to power it on.
4. The LED display on the control panel will light up and read "Initializing" for a couple of moments; during this time the printer is performing a self-check to ensure everything is working properly.
5. Once the LED display reads "READY - Bidir.High". You are now at the stage where the inks can be added. This will be done during your onboarding. **DO NOT** add the inks now or you may void your warranty.

CONTROL PANEL FUNCTIONALITY

The following section explains each of the settings available via the control panel.

When the printer is powered on and sitting idle, the home screen will read "READY - Bidir.High"
The ready screen is also called the **Home Screen.**





Part 1: When the controller is on the Home Screen, the buttons function as follows.

Up/Down Buttons: These two buttons are for feeding the film. They serve the same purpose as the green and blue buttons on the printer. Note that the printer's green and blue buttons will only function when the controller is in the Home Screen.

Left/Right Buttons: These are used to move head carriage to the left and right. Typically, they are used to move the carriage into position allowing the user perform maintenance on the head or capping stations.

Start POS: This sets the Zero point of the printer or where the printer will start printing.

POS: 44mm is the default setting.
To move a smaller image more to the center of the page, increase this number using the left & right buttons then press OK to confirm.
Don't forget to set it back to the default 44mm when done.
EXIT: Pressing Exit will cause the printhead carriage to move back to the home position.
OK: Press the OK button to set the print POS.
*Note: This can also be set through the RIP software; if the start position is set at a high number and you load a large image, you be presented with errors.

OK Button: Used to confirm selection.

Part 2: When the screen is not on the Home Screen, the buttons will function as follows.

Left/Right Buttons: Used to cycle through the available options of a setting.

Up/Down Buttons: Used to navigate to each setting in a list.

Exit: Exit out of the screen it's currently on.

OK: Confirm selection.

Menu Page

Press the OK button on the bottom right to open the Menu Page.
The Menu Page has the following options:

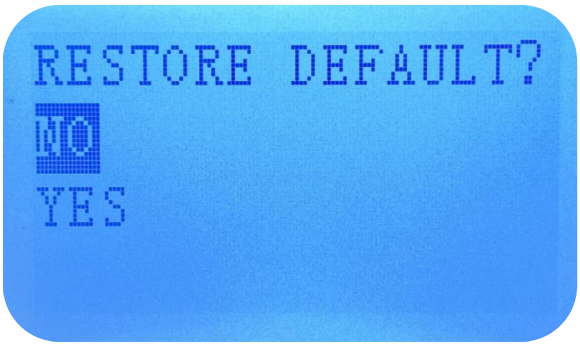
• **Setup Menu:** Do not make any changes to anything here unless instructed to do so by technical support.

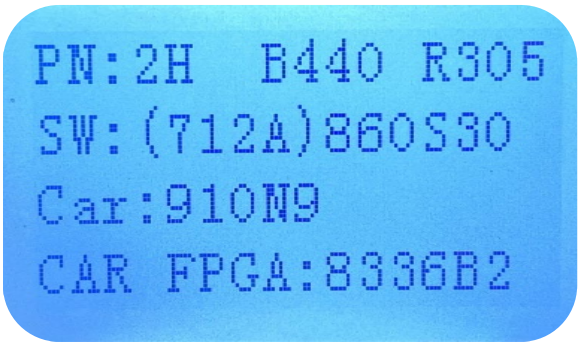
• **Maintenance:** This section contains some important options such as:
- Clean Nozzle (Head Cleaning)
- Nozzle Test
- Manual Pump (Ink Charge)

• **Auxiliary Function:** Do not make any changes to anything here unless instructed to do so by technical support.

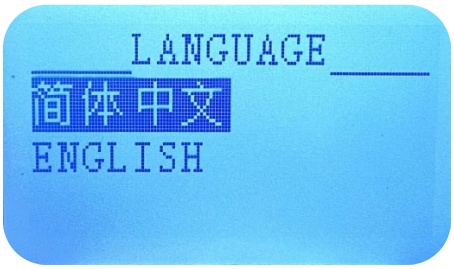
• **Dev.Mgr:** This is the printer information page. You may be asked for this information by a technician.

• **Restore Default:** Do not touch this setting. **NEVER** press yes to restore the default or your printer may stop functioning properly.





- **Language:** Used to change the display language (Chinese or English).



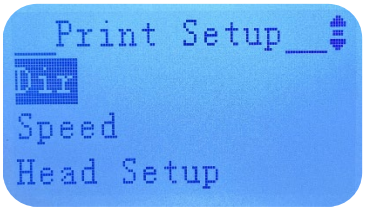
Setup Menu

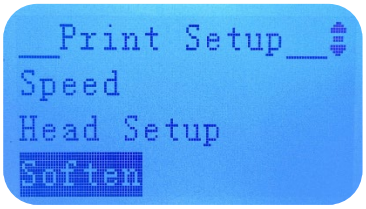
From the Menu Page, select the first option which is the Setup Menu, the press OK; the Setup Menu will open.

***Note:** All settings in the Setup Menu are configured at the factory, there is no need to make any changes.

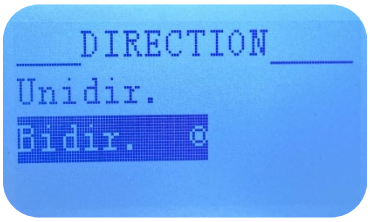
Print Setup

Gives users access to the direction, speed, head setup and soften options.

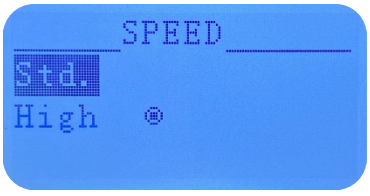




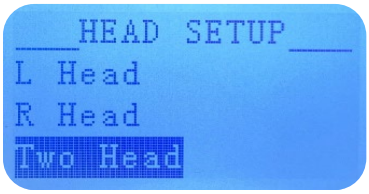
- **Dir:** Users can choose between Bi-Directional (Bidir) or Uni-Directional (Unidir) printing; the default is Bidir.



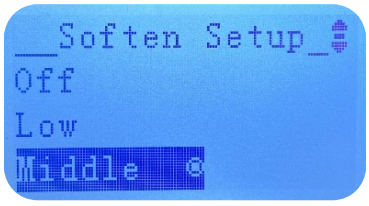
- **Speed**: Adjust the speed of printing between Standard and High; the default is set to High.



- **Head Setup:** Do **not** change anything in Head Setup unless technical support has directed you to do so.

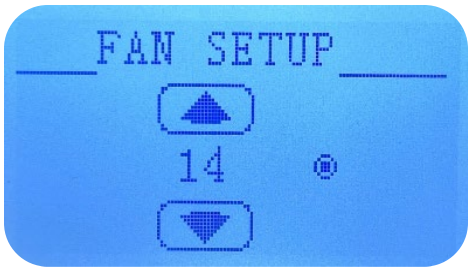


• **Soften:** Choose between Off, Low, Middle and High; the default is set to Middle.



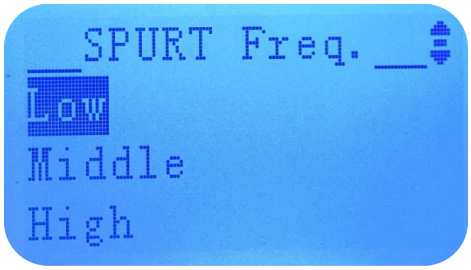
Fan Setup

Used to set the fan speed, press the Up & Down buttons to adjust to the preferred level; the default is 14, the maximum is 16.



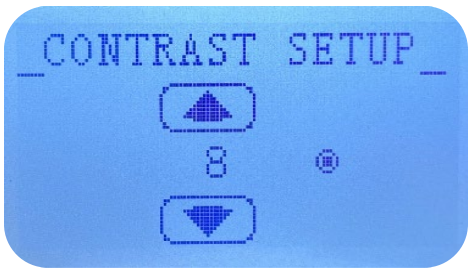
Spurt

Choose between Low, Middle, High and Off; the default is Off.
Most of the time, when printing the Spurt should be set to Off.
The Spurt option is for those who are printing the same image for a few hours.
If an image does not have much of a specific color, like yellow, the yellow channel in the head could dry out.
If the Spurt is on, the yellow will fire a small amount of ink at the edge of the film.
A better way to control this is to run a CMYK color bar at the edge of the page.



LCD Contrast

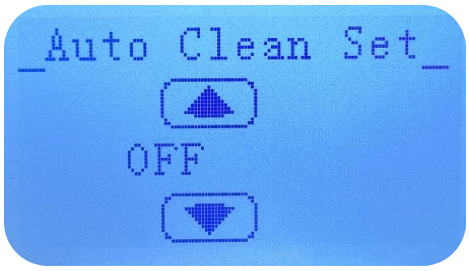
Where to adjust the contrast of the screen for easier viewing; the default is 8.



Auto Clean

Where the time between automatic head cleanings can be set, users can choose 0.5H, 1H, 3H, 8H and Off. The default is set to 0.5H (auto clean every 30 minutes.)

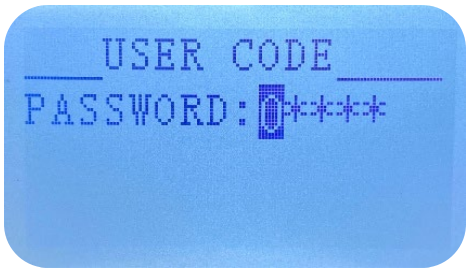
It is highly recommended not to change this setting to avoid the risk of the printhead/capping station clogging.



Device Address

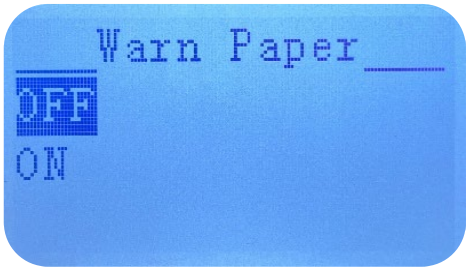
Use password: **16753**

This setting is utilized by the factory technicians and is not to be accessed unless directed to by technical support.



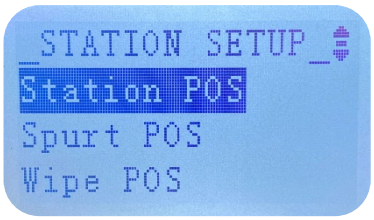
Warn Paper

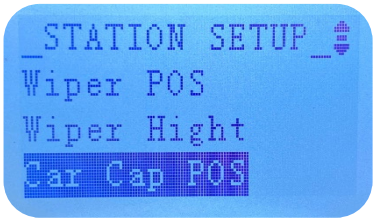
The default is set to Off.



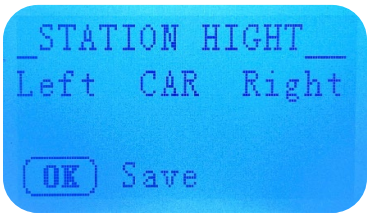
Station Setup

Do not make changes to any Station Setup settings unless directed



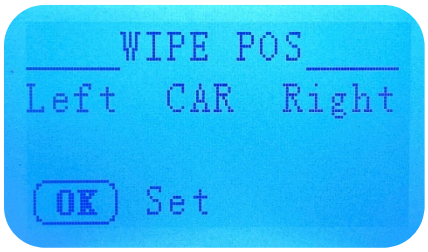


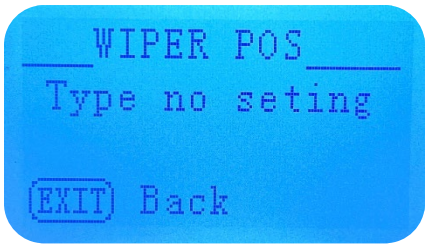
• **Station POS:** When the Station POS setting is opened, the screen shows as pictured below. Generally, there is no need to make any adjustments, press Exit to exit the Station POS screen.
If the printheads and capping stations are not aligned with one another, this setting is used to adjust the printhead carriage position. It is recommended to use the **Cap Height** option instead.

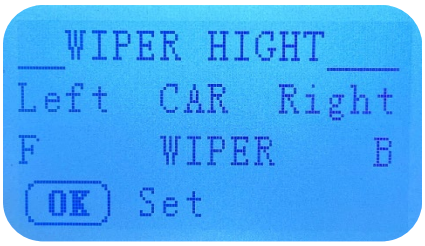


• **Spurt POS:** During a printhead cleaning, the printhead needs to spurt out ink through the nozzles. The default is set to Yes; do not change this setting.

• **Wipe POS, Wiper POS & Wiper Height:** These are not used for the DTF-1200 printer.

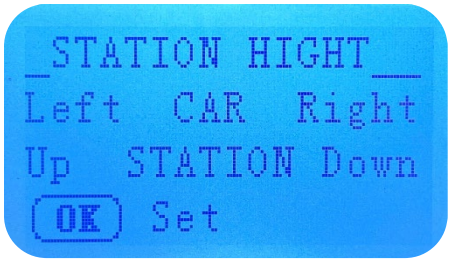




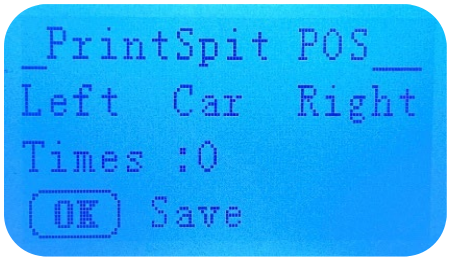


• **Car Cap POS:** There is no need to change this setting.

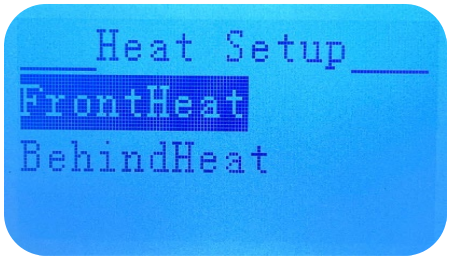
• **Cap Height:** This is the method recommended to follow to adjust the alignment of the printhead carriage and capping stations. The Left & Right buttons move the printhead carriage. The Up & Down buttons adjust the space between the printheads and capping station; this adjustment is performed when the capping stations are found to not be pulling ink through the printheads.



• **Print Spurt POS:** If the spurt is set to on, which is not recommended, this setting is to set the position.

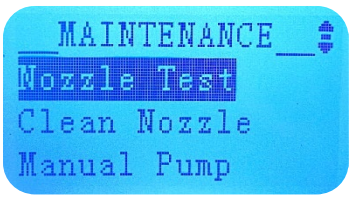


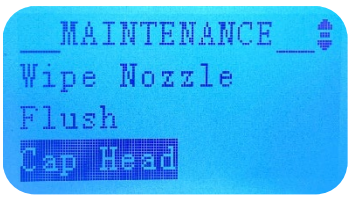
• **Heat Setup:** Do not change or alter.

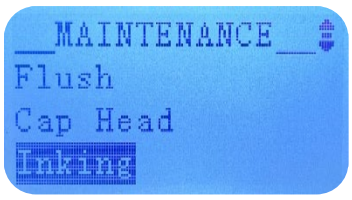


Maintenance Page

When in the Maintenance Page, the following options are available.







• **Nozzle Test:** Prints a pattern checking ink flow through the nozzles of the printhead.

• **Clean Nozzle:** Performs a printhead cleaning.

• **Manual Pump:** Used to charge ink through the lines to the printhead and remove any air that may be in the system.

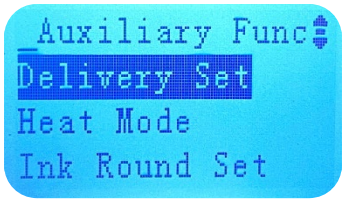
• **Wipe Nozzle:** Wipes the surface of the printhead to clear any debris or dirty ink that may be present; the printer does this during its head cleanings

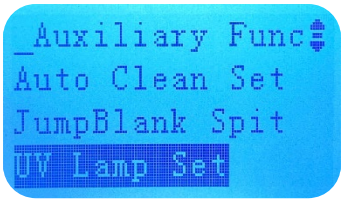
• **Flush:** Not normally used; pumps ink through the printhead to the waste tank.

• **Cap Head:** Moves the printhead carriage to its home position over the capping stations then raises the capping stations to seal the printheads off from drying out or getting debris on them.

• **Inking:** This function is used when ink is loaded into the system for the first time.

Auxiliary Func. Page

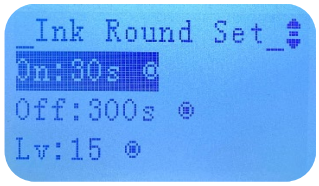


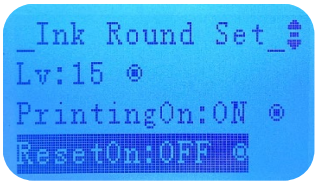


- **Delivery Set:** The DTF-1200 does not use this setting, do not change it.

- **Heat Mode:** The DTF-1200 does not use this setting, do not change it.
  To turn the heater on, use the black switch on the front on the printer.

- **Ink Round Set:** Controls for the automatic white ink circulation and stirring system.





On: 30s – White Ink Management System (WIMS) runs for 30 seconds.

Off: 300s – Every 300 seconds, the WIMS will run.

Lv: 15 – Stirring Auger level 15; do not change unless directed to do so by technical support.

PrintingOn: OFF – When the printer is printing, the stirring auger will be off.

ResetOn: ON – Each time the printer is powered on, the stirring auger will turn on.

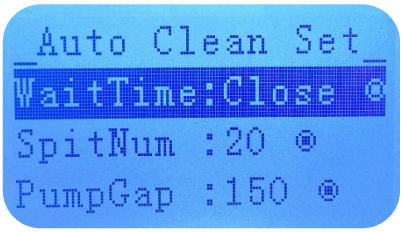
Note: The **PrintingOn** and **ResetOn** setting choices and what they mean.

1) If **PrintingOn** is set to "OFF", then **ResetOn** will automatically be set to "ON".
This means each time the printer is powered on, the WIMS will trigger for 30 seconds but will not run every 300 seconds.

2) If **PrintingOn** is set to "ON", then **ResetOn** will automatically be set to "OFF".
This means every 300 seconds, the WIMS will trigger and run for 30 seconds.
However, the WIMS will not automatically run when the printer is powered on.

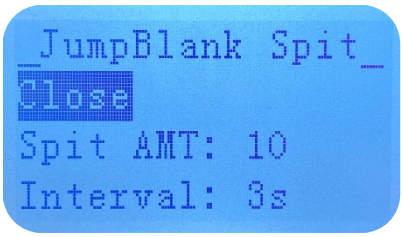
Do not change these settings, leave the defaults: PrintingOn: OFF & ResetOn: ON

• **Auto Clean Set: Do not change any settings within.**



Waiting Time: Close
SpitNum: 20 – Ink spurt interval of 20.
PumpGap: 150 – Ink pump interval of 150.

• **JumpBlank Spit:** Generally, between each print, there is a small section of blank media.
When on, the printer will spray ink onto the blank space. This used to set the spurt on the blank space.
Normally, it is set to be closed; do not change the setting.



• **UV Lamp Set:** The DTF-1200 does not use this setting.

HEAT SYSTEM

The following section explains the controls for the Heat System.

#1: Black Square Switch: Used to turn the heater on/off.

#2: Yellow Circle Button: Press & hold to turn the control display on/off.

#3: Set Button: Pressing the Set Button once will cause the blue Set Value to flash.
Then, use the up & down arrow buttons to adjust the temperature.
Press the Set Button again to save the temperature adjustment.

#4: Red Number: The red number represents the current physical temperature value.

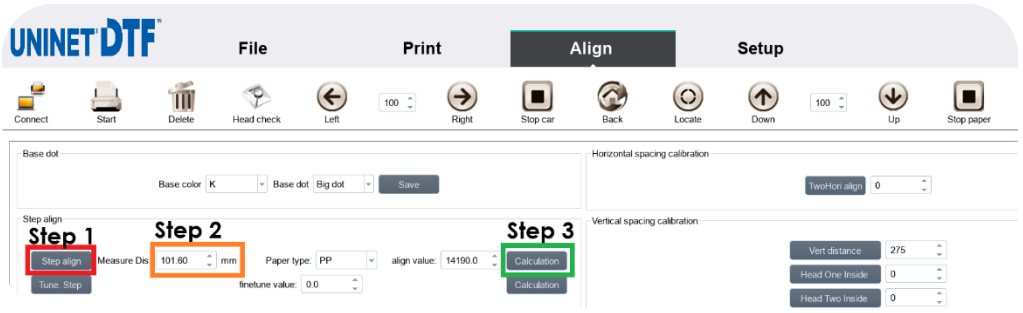
CALIBRATION

The following section explains how to perform the calibration test on the DTF-1200.

1. Open the UNINET DTF Control Software and click “Connect” at the top to establish the connection between the PC and printer.

2. Next, go to the “Align” tab at the top then click the “Step Align” button; a set of lines will print out.

3. Using calipers, measure the distance from the top line to the bottom line and enter the value in the “Measure Dis.” box next to the Step Align button; after entering the value, click the “Calculation” button.



CLEANING & MAINTENANCE

Following these simple steps will ensure that your printer lasts longer and help you achieve optimal performance with little to any down time from your DTF-1200 printer.

Daily to Do

Every day a head cleaning should be performed regardless if you will be printing that day or not. This ensures that there are no clogs in the system, the dampers are full and that the head is properly outputting ink.

To perform a Head Cleaning:

1. From the main screen on the control panel, press the right arrow which will bring you into the Maintenance Menu.

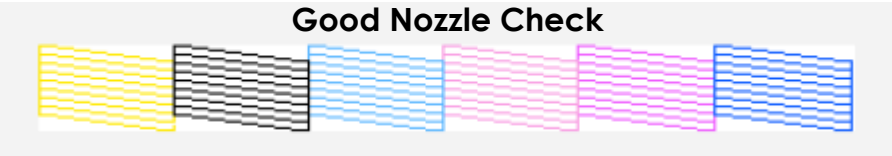
2. Once in Maintenance Menu, select the “Clean Nozzle” option then select to “Two Head” option from the list.

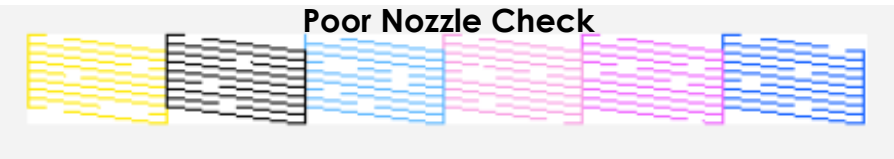
Once a head cleaning has been completed, a nozzle check needs to be printed to confirm that all channels are clear, and no clogs are forming. If the nozzle check shows that there are two or more breaks/missing lines in any of the channels, additional head cleanings need to be performed followed by another nozzle check; repeat steps if there are still more than two breaks/missing lines in any channel.

To perform a Nozzle Check:

1. Similar to performing a Head Cleaning, you will need to navigate to the Maintenance Menu on the control panel.

2. Once in Maintenance Menu, select the “Nozzle Test” option.
   There will be two rows printed, one for CMYK channels and the other for the white channels.
   It may be a bit difficult to see the white channels, if this is the case then, you’ll want to cut off the nozzle check and place it on a dark surface.

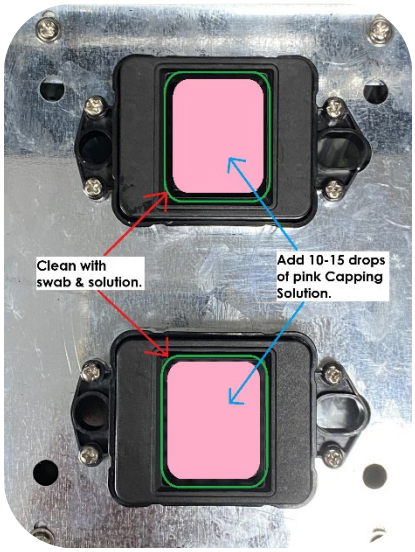




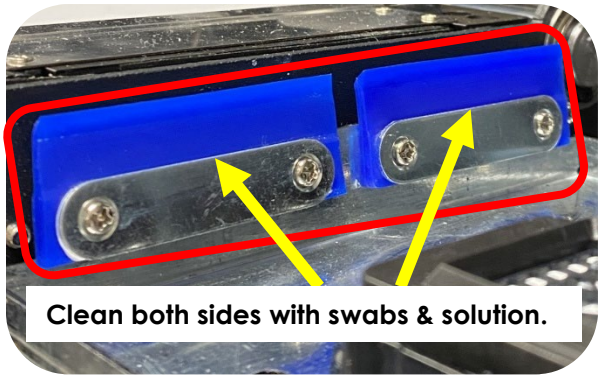
Keep in mind: It is incredibly important that the printer remain powered on via the main blue switch at all times. This is to ensure that the White Ink Circulation System is able to activate every 300 seconds for 30 seconds as it is set to prevent against clogging or ink separation. White ink contains titanium dioxide, a microscopic particle that is suspended in the ink that gives it its color, which can cause clogs if not circulated or agitated frequently.

Weekly to Do

In addition to the daily Head Cleaning and Nozzle Check, there are a few parts on the printer that are crucial to keep clean and up to date in order to prevent unnecessary downtime, print issues or possible damage. These parts are the: Capping Stations, Wiper Blades, Ink Tanks, Waste Bottle and the underside of the printhead carriage.



Capping Stations: The capping stations are located on the right-hand side of the printer, where the carriage normally sits when the printer is idle. There are rubber seals on the capping stations (highlighted green in example) that need to be cleaned to avoid ink from solidifying and building up on them. Using a clean foam swab dripped in either the blue Cleaning Solution or the green X-Treme Cleaning Solution, gently clean the rubber seals that are on the perimeters of the capping stations of any ink, dust or debris.



Wiper Blades: The wiper blades are located to the left of the capping stations, the printhead carriage needs to be moved to be able to access them. Using a clean foam swab and the blue Cleaning Solution, remove all ink on the wiper blades making sure there's no ink build-up or debris left behind. It is recommended to clean them 2-3 times a week, the more you print the more often you want to check and clean them.

Ink Tanks: Ink levels should always be above 50%, depending on your volume of printing some or all inks may need to be filled more often. Each color has their own designated tank that is labeled on the cap; mixing inks or putting the incorrect color in the wrong tank will result contamination. The white ink tank has an alarm that will beep if the ink level is too low.

Waste Bottle: Check to see if the bottle is ~75% full. If so, empty the bottle and rinse thoroughly with water. Once clean, simply screw the cap back on, place it in its designated space and insert the waste tubes back into the holes found on the cap.

Printhead Carriage Underside: Move the printhead carriage all the way to the left-hand side of the printer so that it's over the mirror. Using foam swabs and cleaning solution, clean the area around the printheads to remove any ink build-up, dust or debris that may be present.

DO NOT TOUCH OR CLEAN THE PRINTHEAD FACES!