



**NUTEC
DIGITAL INK
NOTICE**

20 September 2019

NUtec TrueVIS Conversion Guide

This document describes the procedures required to install the NUtec Digital Ink's Diamond D15-TRV inks on the Roland[®] TrueVIS SG or VG printers.



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1. SAFETY WARNINGS

- It is essential to have adequate ventilation in your print room and that the ventilation does not introduce dust and contaminants to the printing surfaces.
- The inks used for these printers must be disposed of through regulated hazardous waste disposal. Please consult the SDS for the specific ink being used.
- Dispose the waste ink in accordance to the your local regulation for hazardous waste disposal.
- Prevent any leaks into sewage or natural water systems.
- When cleaning the ink station, head capping station and printheads, be sure to wear face protection and protective rubber gloves since you may get ink or cleaning solution in your eyes or on you hands.
- If you feel nauseous or light headed after prolonged printing, immediately move to a location where fresh air is present and then keep yourself warm and calm. If this does not remedy the situation consult a medical professional.
- In case of ink leakage in the machine, please turn off the main power, unplug the power cable and remove pouches from the printer. Please contact your local support agent.
- Ensure there are no obstructions to the printer gantry during operation. Creases and edge curls on the media can result in permanent physical damage to the printheads.

Operating environment:

Temperature Range: 15 to 30 °C (59 to 86 °F)

Relative Humidity: 35 to 65 % (Rh)

Refer to the various ink Safety Data Sheets for extended safety precautions and handling guidance.



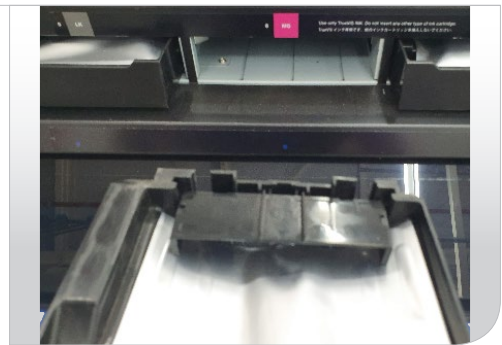
2. SAFETY NOTES

All images and procedure outlines found in this guide are based on machine specifics and are based on the Roland[®] TrueVIS VG540 series printers. Please consult the operators and/or maintenance manuals for your Roland[®] TrueVIS printer for any special procedures that do not follow the general logic within this guide.

3. PREPARATION

- 3.1** Perform reference prints on original ink.
- The prints should be done on the main medias used for printing in the day to day production jobs
 - The prints should also be done in the standard print modes used for your production jobs
 - Perform a nozzle status print and sign, date and denote original ink.

- 3.2** Remove original ink pouches from the printer. Remember to also remove the cleaning solution pouch from the side of the printer.



- 3.3** Load the NUtec D15-TRV ink pouches and the NUtec MF Cleaning Solution into the printer.

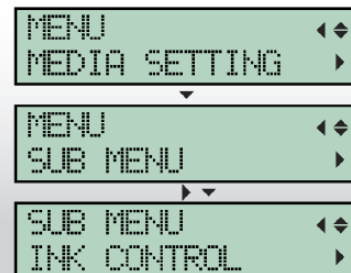
Note: It is important to agitate the ink pouches prior to loading. This should be done whenever ink pouches are changed. It is essential to change the cleaning solution even if only changing a single OEM ink pouch to NUtec D15-TRV.



4. CONVERSION PROCESS

- 4.1** The process involves performing the [SUPER CLEAN]. Press the "MENU" button then press the "▼" button until you get to [SUB MENU] then press the "▶" button. Now press the "▼" button until you see [INK CONTROL] and then press the "▶" button.

Note: The [SUPER CLEAN] will push the NUtec ink through the ink lines to printheads.



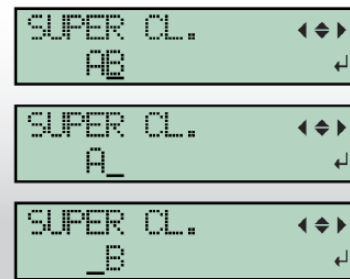
4. CONVERSION PROCESS [CONT.]

- 4.2** From [INK CONTROL] press the “▼” button until you get to [SUPER CL.] then press the “▶”.

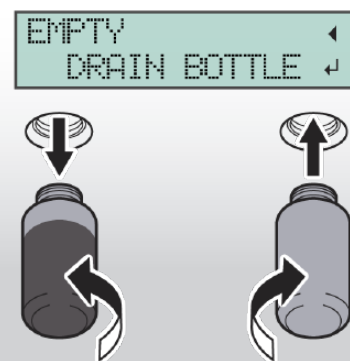


- 4.3** From [SUPER CL.], it is suggested to perform the [SUPER CL.] on both head groups at the same time for convenience. Although some find it better to do the head groups independently. Press the “ENTER” button to perform the [SUPER CL.].

Note: Use the “▶◀” buttons to select the head group. Use the “▼▲” buttons to enable or disable the head group. Letter present means group will be included in the clean.

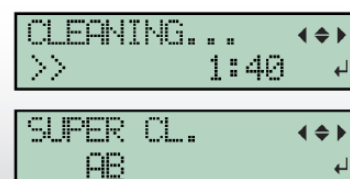


- 4.4** Should you see the message to empty waste bottle, follow the prompts and empty waste into a larger waste disposal container. Refit the bottle and once complete press the “ENTER” button.



- 4.5** The [SUPER CL.] process will display a countdown until completion and will return to the [SUPER CL.] sub menu.

Press the “MENU” button to return to home screen and perform a nozzle status print.

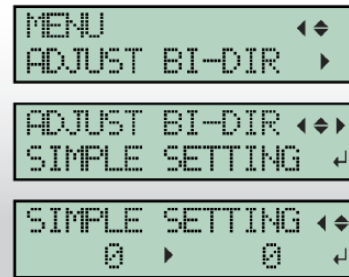


5. BI-DIRECTIONAL ALIGNMENT

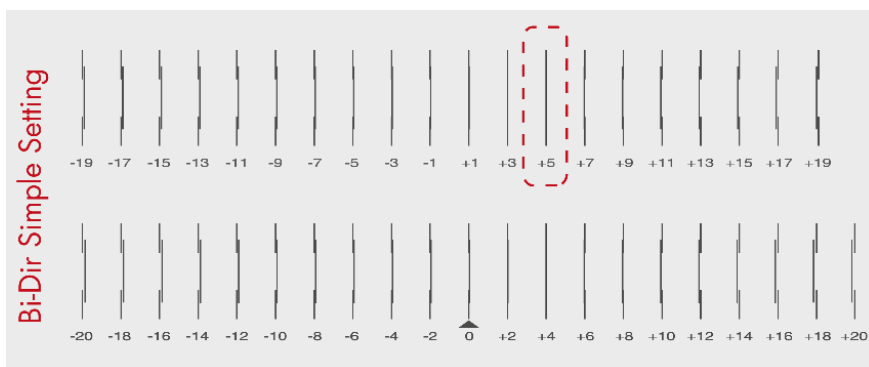
- 5.1** Perform a Bi-directional alignment, press the "MENU" button then press the "▼" button until you get to [ADJUST BI-DIR] then press the "▶" button. Press the "ENTER" button when you see the [TEST PRINT] appear on the display.



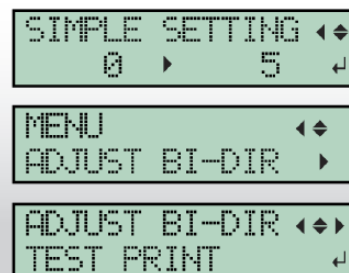
- 5.2** Once the print has completed press the "▼" button until you get to [SIMPLE SETTING] and then press the "▶" button. There may be a value other than [0] on the left. Refer to example in the figure of **5.3** to see how to determine alignment value to choose.



- 5.3** Figure below shows the original value of 0 (marked by the ▲) and that +5 is the best Bi-directional alignment value to use.

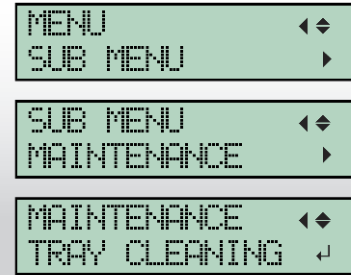


- 5.4** Enter the selected value (example of 5) by using the "▼▲" buttons and then press the "ENTER" button. Press the "MENU" button and repeat step **5.1** and confirm that the (▲) is under the value selected and that is the best aligned marks.

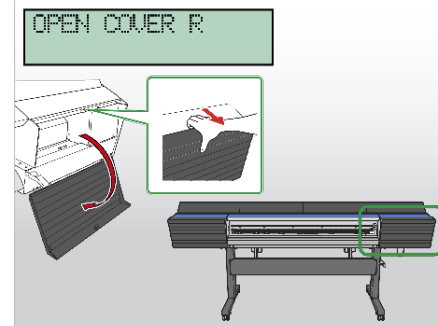


6. TRAY CLEANING

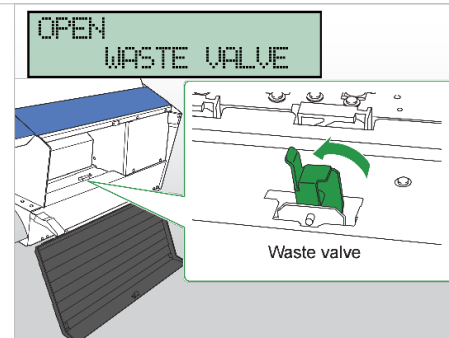
- 6.1** Press the "MENU" button then press the "▼" button until you get to [SUB MENU] then press the "▶" button. Now press the "▼" button until you see [MAINTENANCE] then press the "▶" button. Now press the "▼" button until you see [TRAY CLEANING] then press the "▶" button.



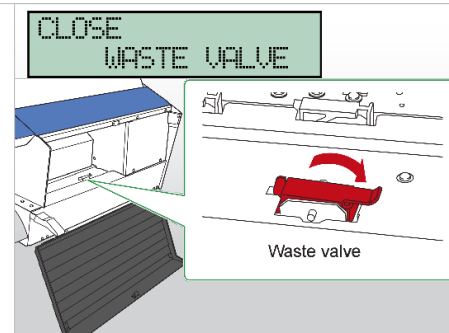
- 6.2** The system may ask you to empty the drain bottle, do so if instructed. Then the system will tell you to open the right hand cover. Do so to gain access to the inside of the printer.



- 6.3** Open the waste valve when prompted from the printer display.
- The printer will then prompt you to close the right cover and then it will prompt you to open the right cover again.

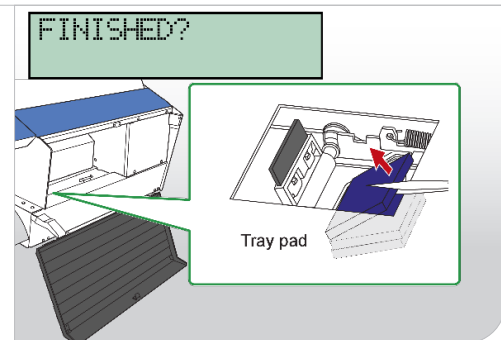


- 6.4** Follow the prompt from the printer and close the waste valve when instructed.

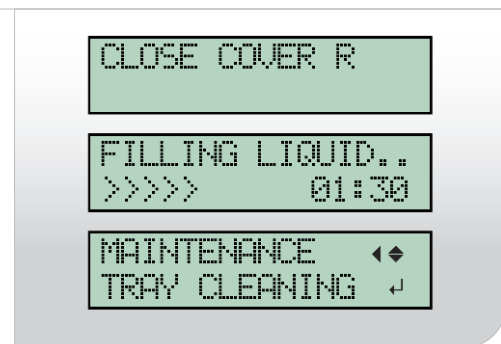


6. TRAY CLEANING [CONT]

- 6.5** With the right cover still open and the valve closed you must now replace the tray pads. Remove the THREE old pads and insert THREE new pads. Use tweezers to carefully remove the old pads. It is also advised to replace the wiper at the same time. Once complete press "ENTER"



- 6.6** Close the right cover when prompted by the printer. The printer will then display [FILLING LIQUID..] wait until complete. If prompted with [CHANGE CL-LIQUID] replace the cleaning solution cartridge. Once complete press "MENU" to return to original screen.



7. POST CONVERSION PROCEDURE

- 7.1** Perform the same reference prints from step **3.1** on the freshly loaded NUtec D15-TRV ink.
- The prints should be done on the main medias used for printing in the day to day production jobs
 - The prints should also be done in the standard print modes used for your production jobs
 - Perform a nozzle status print and sign, date and denote NUtec ink
 - Sign, date and denote the bi-directional alignment prints
 - Take a photo of the two signed and nozzle status prints as well as the bi-directional alignment prints and email the images to support@nutecdigital.com

8. GENERAL GOOD HABITS

- Always agitate pouch before loading it into the printer
- If the machine is not used for more than two weeks, remove pouch and agitate then re-insert
- Perform the prescribed routing maintenance as outlined in the operators manual
- The plastic holders may be separated from the pouch to be recycled with normal recyclable plastics. Remove the NFC prior to recycling the plastic holder
- Never insert ink pouches that have expired and should an ink pouch expire while in the printer it should be removed and disposed of responsibly.



For further inquiries please contact the NUtec Digital Ink Technical team at support@nutecdigital.com

| Technical Department | NUtec Digital Ink Proprietary Limited |

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