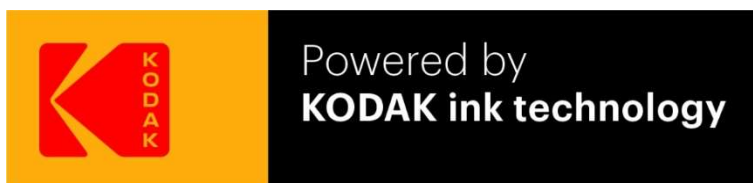


DTF Magic 60*PRO* Printer Operator Guide



Cautions Before Starting

1. Ensure the Emergency Stop Button is clear of obstructions and can be accessed easily
2. Check there is sufficient film on the roll to start printing
3. Check the waste bottle is not full
4. Check nothing has been left inside/on the printer which could obstruct moving parts or fall and cause injury
5. Check service access covers are closed before power on

During Operation

1. **ALWAYS confirm there are no obstructions to moving parts of the machine before pressing PRINT!**
2. **ALWAYS check nobody is working in the machine before pressing PRINT!**
3. **NEVER** leave the machine unattended when printing
4. **NEVER** adjust film or cut finished transfers while printing
5. **ALWAYS** ensure the covers are closed when printing.
6. **ALWAYS** tie back hair and secure loose clothing when operating the machine
7. **ALWAYS** Pause printing if you need to leave the machine unattended for any reason
8. **ALWAYS** Pause the machine whenever you are adjusting the film
9. **ALWAYS** Pause the machine when cutting finished transfers to press
10. **ALWAYS** Shake the white ink for 10 minutes and leave to stand 10 minutes before pouring in to tank
11. **ALWAYS follow the end of day cleaning procedure and isolate the machine from mains power**
12. **ALWAYS** Turn off the Curing Oven at the end of the day or when not in use

Tips Cautions and Warnings in this Operators Guide:

Tips: Advice on how to obtain best results from the equipment

Caution: A caution provides additional information, which if ignored may result in equipment malfunction or damage

Warning: A warning provides additional information, which if ignored may result in a risk of personal injury

WARNING Under no circumstances attempt service adjustments/Open service access panels with the power ON or while the machine is Printing.

Contents

- 1. Routine Maintenance**
- 2. Loading Film**
- 3. Start Up Procedure**
- 4. Machine Minding During Operation**
- 5. Shutdown Procedure**
- 6. Alignment Procedure**
- 7. Calibration Procedure**
- 8. RIP Basics**

Routine Maintenance

The DTF Magic 60PRO Printer is covered by a comprehensive on-site parts and labour warranty, Post Warranty Service Support Packages are available.

However, to fully benefit from these provisions and ensure trouble free operation of DTFMagic Pro and Finisher the following routine maintenance should be carried out according to the schedule. Failure to carry out routine maintenance may damage your equipment, invalidate warranty or make support chargeable.

Guaranteed Environmental Printing:	
Temperature Range 15°C - 30°C (Celsius),	Relative Humidity range 50%-60%.

Ink Storage Conditions:	
Temperature Range 5°C - 30°C	Relative Humidity range 40%-80%.

Tip: It is recommended the ink is acclimatised to the printing temperature and humidity, before commencing any print.

Daily/Regular:

- I. When the printer isn't being used (every 3-4 days).
Power the machine on and open DTF Magic Print software leave inks to circulate for minimum 15 minutes. Perform two Strong Head Cleans followed by a Nozzle Check repeat cleaning if Nozzle Check is no good.
After circulation and head cleaning operation, wipe down capping station and wiper blade. Put a dozen drops of capping solution in the colour capping station and fully Wet Cap the white capping station. Make sure head has homed and capped properly before switching the power off and closing DTF Magic Print software.

Before each use:

- I. Confirm the waste bottle is not full, empty if necessary
- II. Check there is sufficient ink, film and powder to start printing.
- III. Always follow the Start-Up Procedure in this Operator Guide

After every use:

- I. Follow Running the Last Print Procedure in this Operator Guide

Weekly:

- I. If printing to File delete all print files from the DTF Printing Folder.

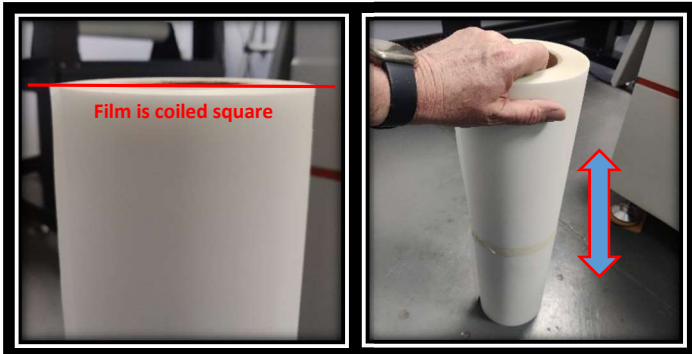
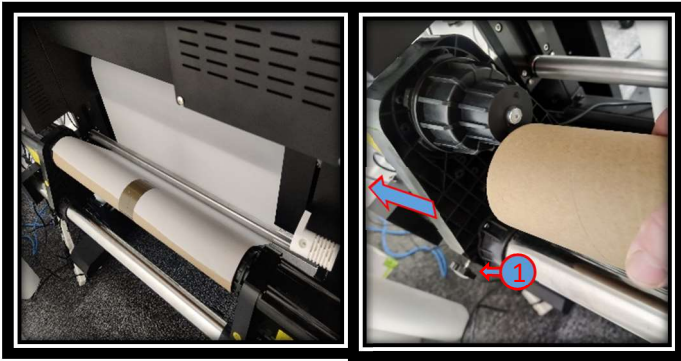
CAUTION: If HDD gets full, unexpected results from the RIP and DTF Magic Print software may necessitate re-installation of the software to restore functionality

Loading Film

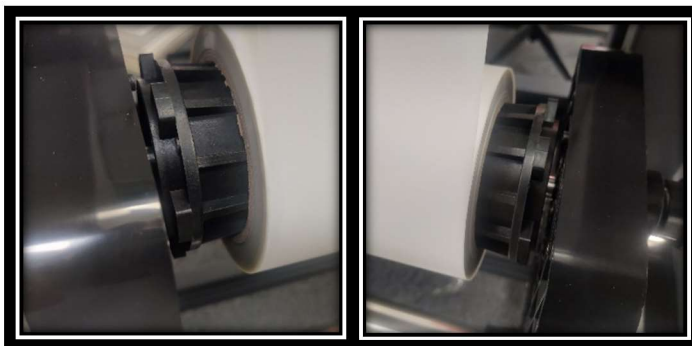
Replacing/Loading film

1. Only loosen the RH Spool holder
2. Slide the spool holder to release the core

3. Remove outer packaging but leave the cling film to protect it from dirt.
4. Confirm the film is coiled square
5. If necessary tap the end of the roll on the floor or flat surface to square it up.



Confirm the wind direction of the new roll before installing.
Correct installation as indicated in the picture



Push the roll onto the LH spool holder in until it is tight.
Align RHS and slide inwards until it stops.
Tighten the clamp DO NOT OVERTIGHTEN



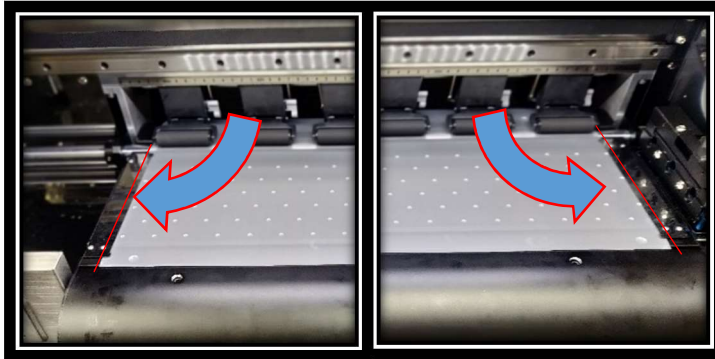
6. Remove the protective film and tape
7. Release Pinch Rollers (Press Button)

Loading Film



8. Pull film from the top of the roll and route it under the tension roller **A**
9. Feed film under the pinch rollers **B**
10. Re-engage the pinch rollers press the Button

CAUTION: DAMAGE WILL occur the roller mechanism if the pinch rollers are released with the manual lever while the machine is powered!



11. From the front of the machine
12. Ensure film is under the silver guides on both sides



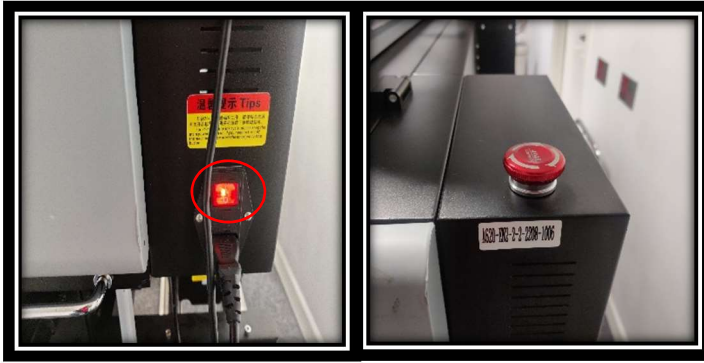
IMAGE 1

IMAGE 2

13. Hold film and release pinch rollers using the front Switch IMAGE 1
14. Align the film centrally on the platen IMAGE 2
15. Re-engage pinch rollers (Press button)
16. Feed 40cm onto the guide plate to ensure the film doesn't catch on the silver guide plates and avoid any glue left from the securing tape
17. Recheck film alignment on the roll at the back of printer adjust if necessary.

Notes:

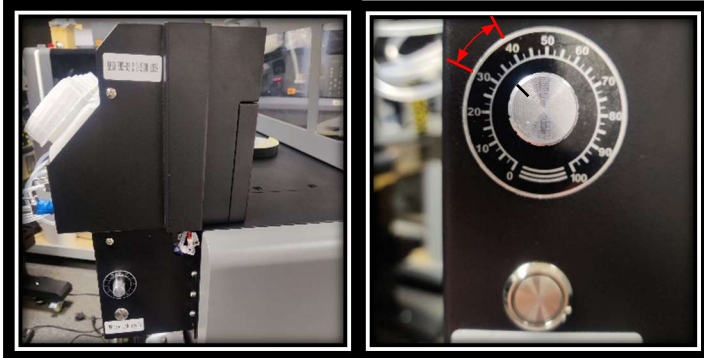
Start Up Procedure



STEP 1

Ensure Power switch ON

Twist the Emergency Stop button to power the printer



Locate the circulation controls under the ink tanks on the LHS of the machine.

Set the control knob between 30-40

Press the “White Ink Cycle” button below the knob.

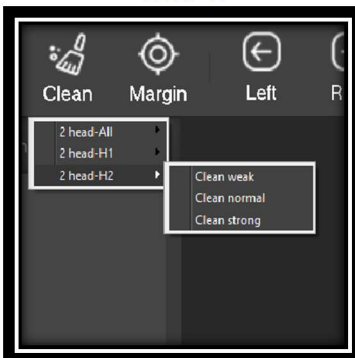


STEP 2

Open DTF Magic Print software on the PC (icon on the Task Bar).

Press “White Ink Cycle” button every 4-5 minutes for at least 15 minutes.

If the DTFMagic Pro hasn't been used for a prolonged period extend the circulation time to 30 minutes pressing “White Ink Cycle” button every 4-5 minutes.



STEP 3

Perform head cleaning

Click “Clean” > “Head All” > “Strong” repeat twice



STEP 4

Nozzle Status Print

Click “Check”

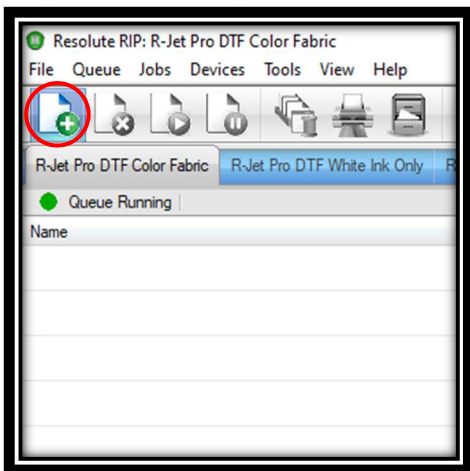
Confirm all nozzles in the test print are present to avoid permanent damage to the print heads.

All colours and white should appear as in the “Nozzle Status Print”.

If nozzles are missing return to STEP 3. Repeat Head Status. If all nozzles fire across both Head Status prints it is OK to start otherwise return to STEP 3.

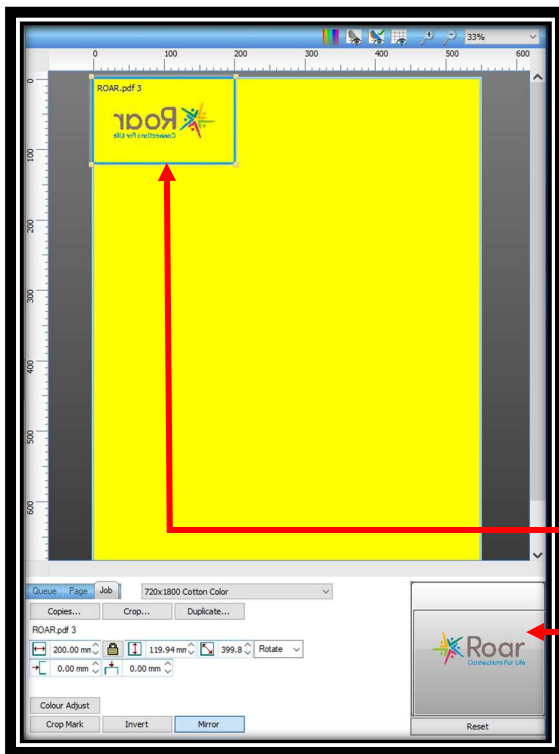
Start Up Procedure

Open DTF Magic RIP:



Importing Artwork

1. Click "Import File" button on the Quick Access Tool Bar
2. Navigate to artwork to be printed
3. Select file/s to be opened Click "Open" button
4. On Import the artwork will be print ready i.e. mirrored with a white layer "underbase"



The file appears in the Imported Jobs List and a Print Preview is displayed.

Check the Print Preview is:

1. Mirrored
2. Cropped to the edge of the image
3. Has no unwanted white areas in the image
4. Is sized correctly

Print Ready?

To adjust/modify an image select it in the "Print Preview" or "Imported Job List" panes

A frame appears around the selected image

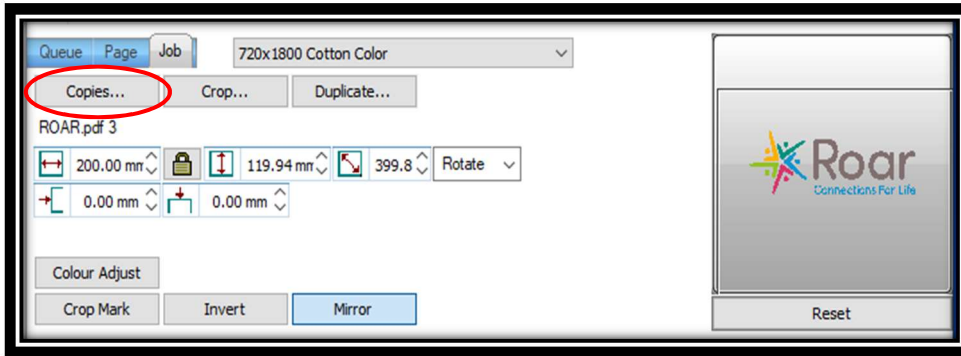
The original image is displayed in the attribute window
Only the selected image will be manipulated

Tip: Once the artwork is imported, the aim is to nest/position it in the most economical way to avoid film wastage as most of the cost in a DTF transfer is in the film.

The next few pages explain the different ways artwork can be cropped, copied, duplicated and nested to achieve maximum film utilisation and get them Print ready.

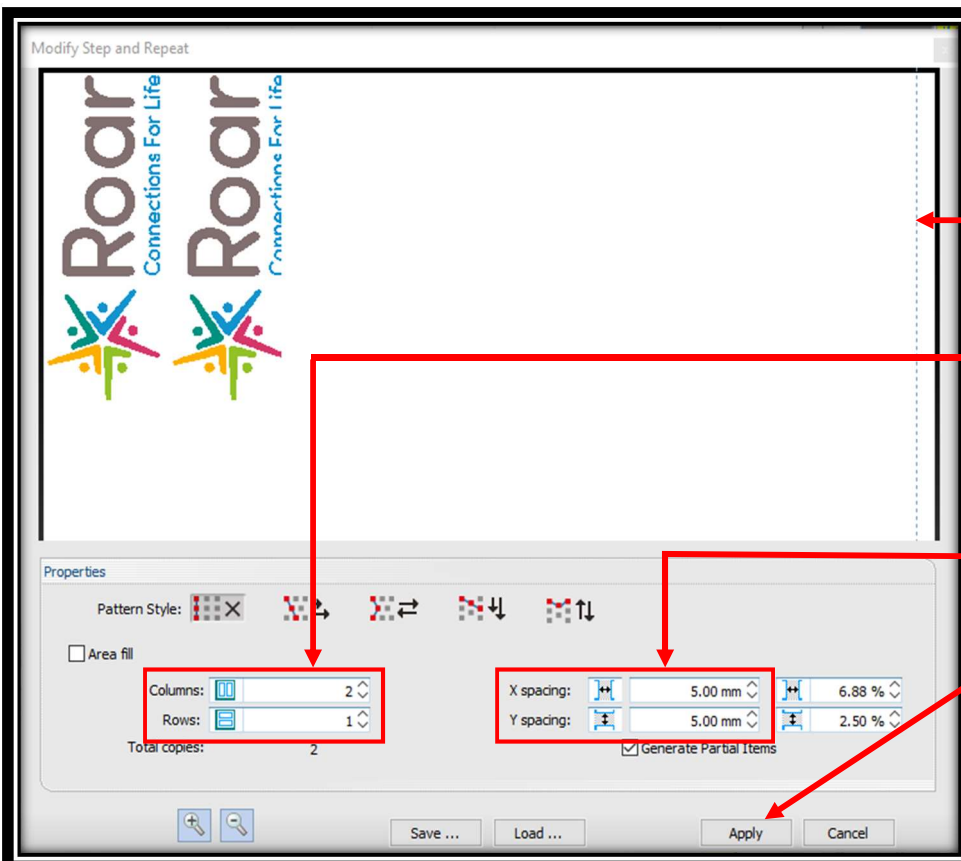
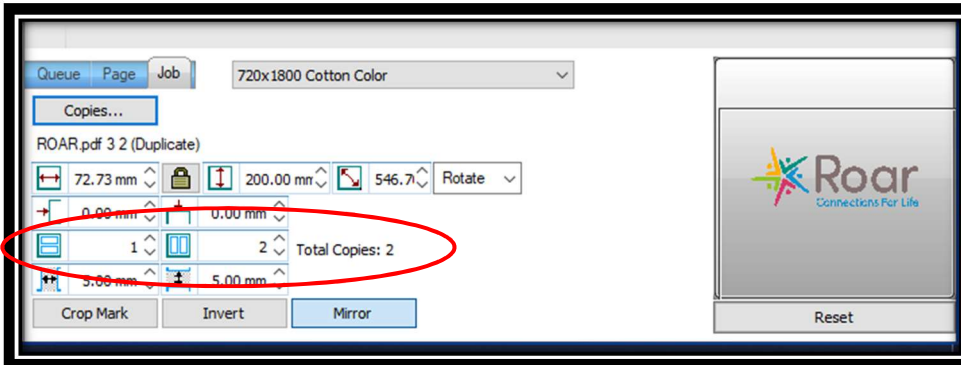
Start Up Procedure

Section 4 - Using Copies



Using the Copy Function

A single click on the “Copies” button steps and repeats the selected image once, and opens the rows and columns boxes. Rows and Columns can be changed using the arrow buttons or the desired number can be entered directly.



Double click “Copies” button opens the “Modify Step and Repeat” window.

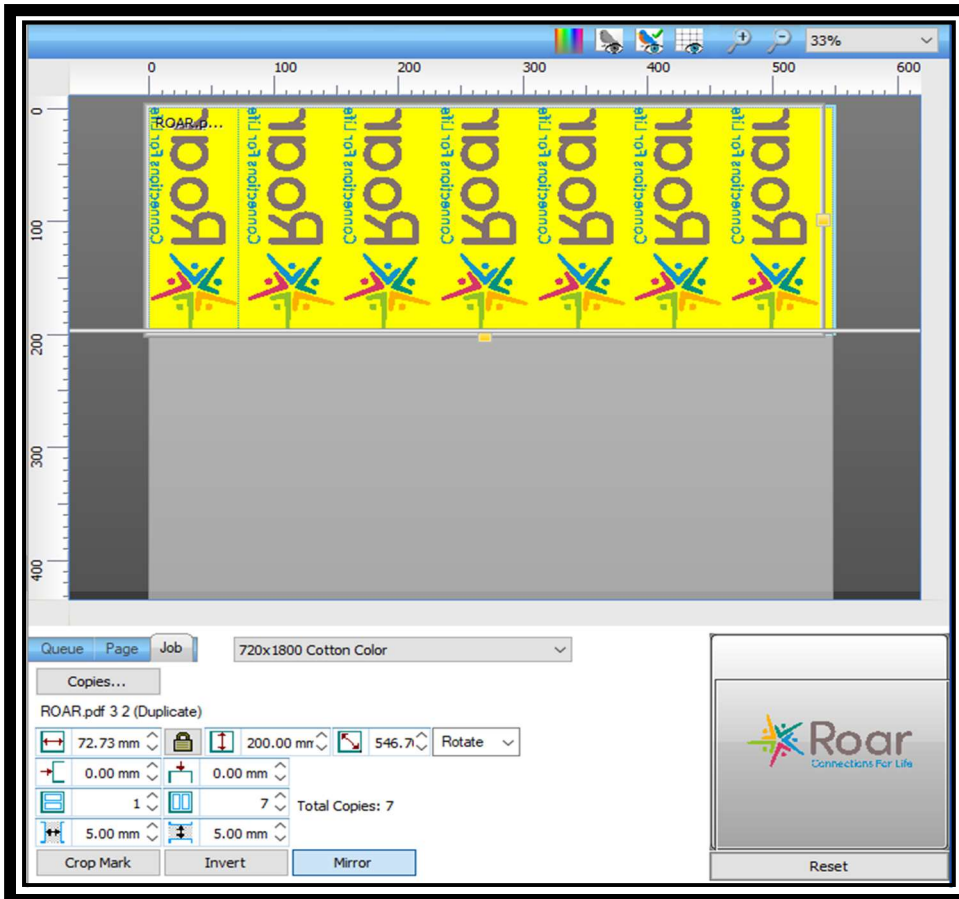
The dotted line shows the maximum printable width with this particular image

Directly enter numbers in columns and/or rows or use the arrows to increment the number of copies

Adjust “X” and “Y” spacing to maximise space to cut out the finished transfers

Click Apply

Start Up Procedure



When the width of film is utilised with minimum waste enter the number of rows required to complete the order.

If it is not possible to utilise the film economically try rotating the image or see **Section 5 Utilising Duplicates**

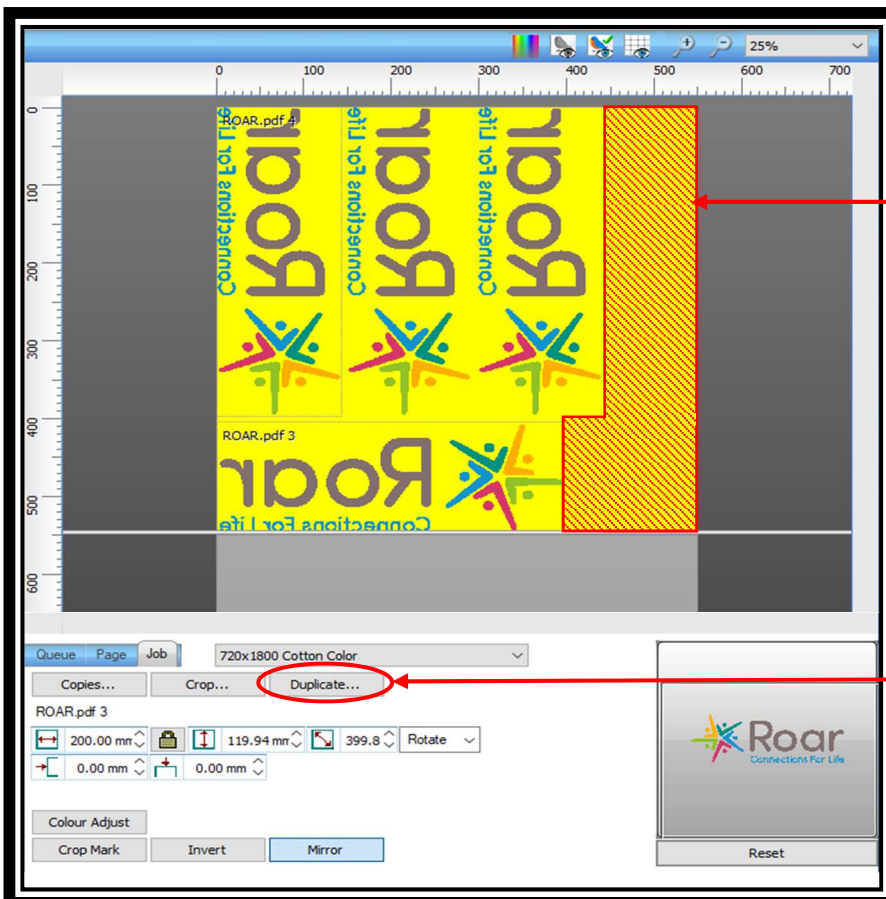
Example:

There are 7 images across the film width. If the order is for 20 units, Entering "3" in the rows box, will result in 21 copies being printed i.e. 1 spare.

Print Ready?

Go to **Section 7 RIP & Print**

Section 5 - Using Duplicates

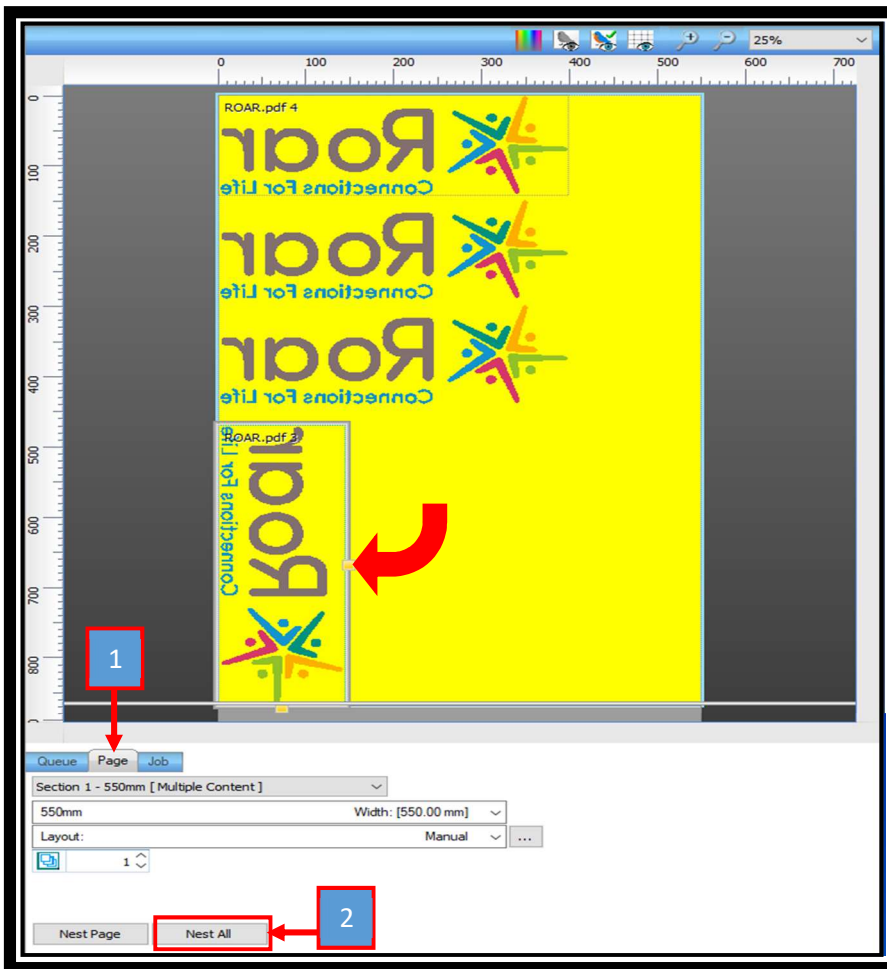


Sometimes, the size of the image, no matter how it is rotated there is a lot of film wastage.

This is where Duplicate may help reduce wastage.

Click "Duplicate" button.
Ask for 1 "Independent" not "Clone" duplicate click "OK"

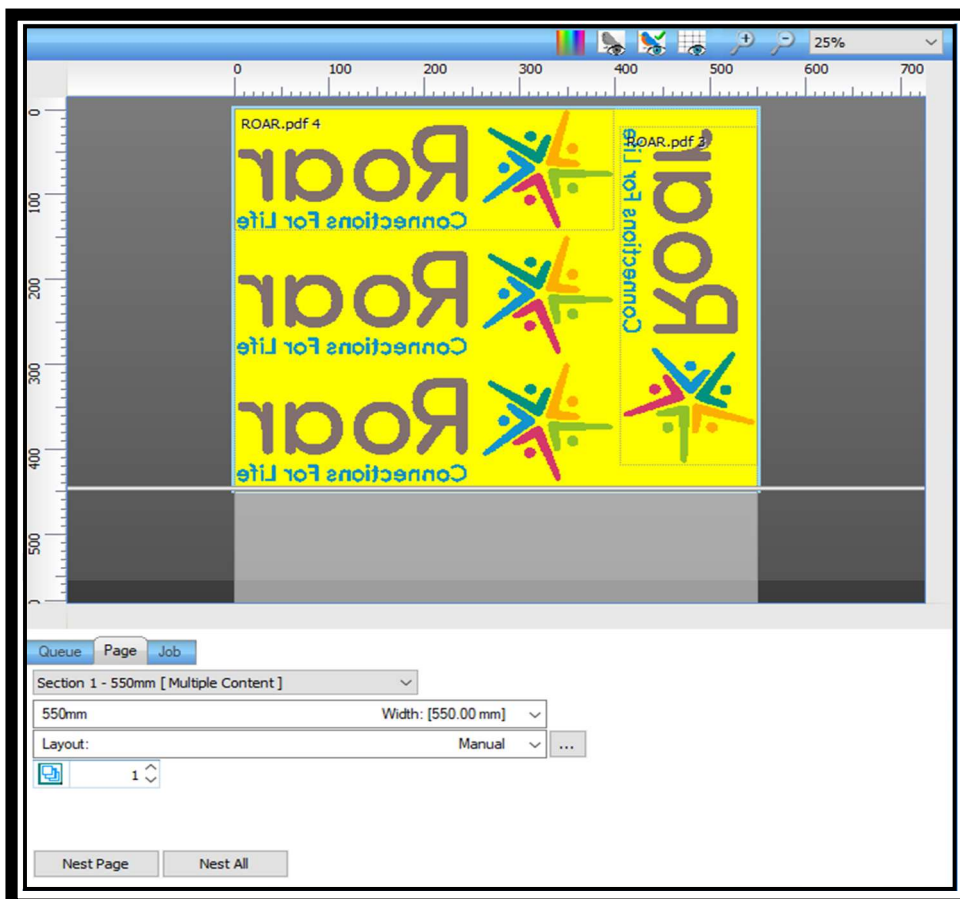
Start Up Procedure



The duplicate file is brought in, Rotate so one is landscape (horizontal) and the other portrait (vertical).

With files in both orientations it may be possible to adjust copies and reduce wastage making better use of the film.

Click "1" Page tab and "2" Nest All button.

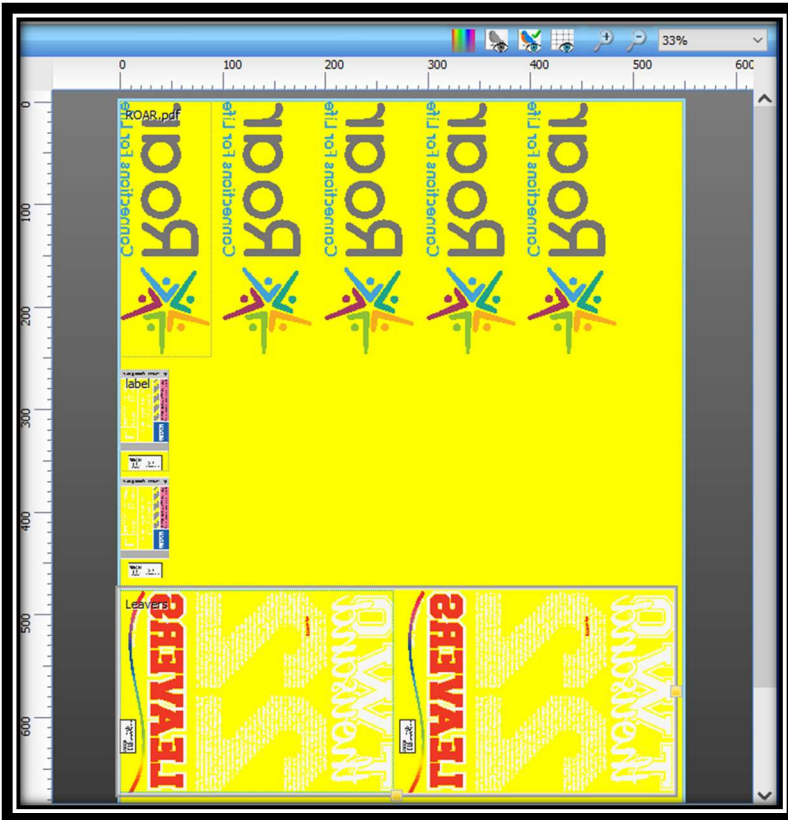


The RIP automatically "nests" the images 5mm apart to make best use of the film.

Print Ready?

*Go to **Section 7 RIP & Print***

Section 6 - Nesting

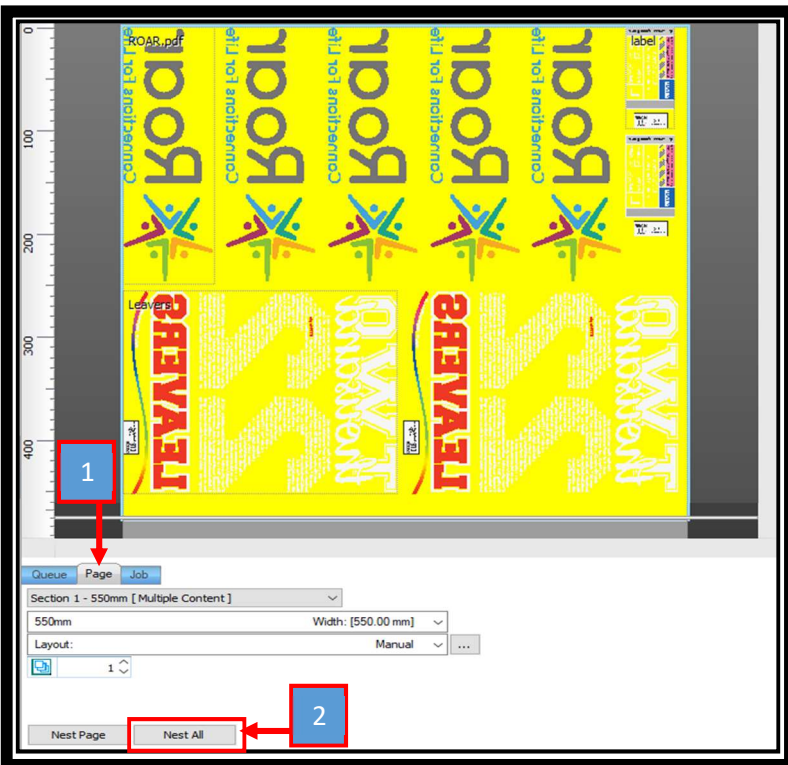


The RIP can automatically nest all imported images with a default 5mm gap to make economical use of the film. If small quantities of transfers are required, the option to nest images of different sizes in to a single print job has advantages.

To do this:

1. Import the files to be nested
2. Set copies and orientation etc. (refer to appropriate sections in **RIP Basics** get the images “print ready”)

Tip: Importing too many files makes the resulting print file very large and increases the time it takes to RIP.



3. Click on the **1** “Page” tab
4. Click on **2** “Nest All” button

The RIP automatically “nests” the images 5mm apart to make best use of the film.

Print Ready?

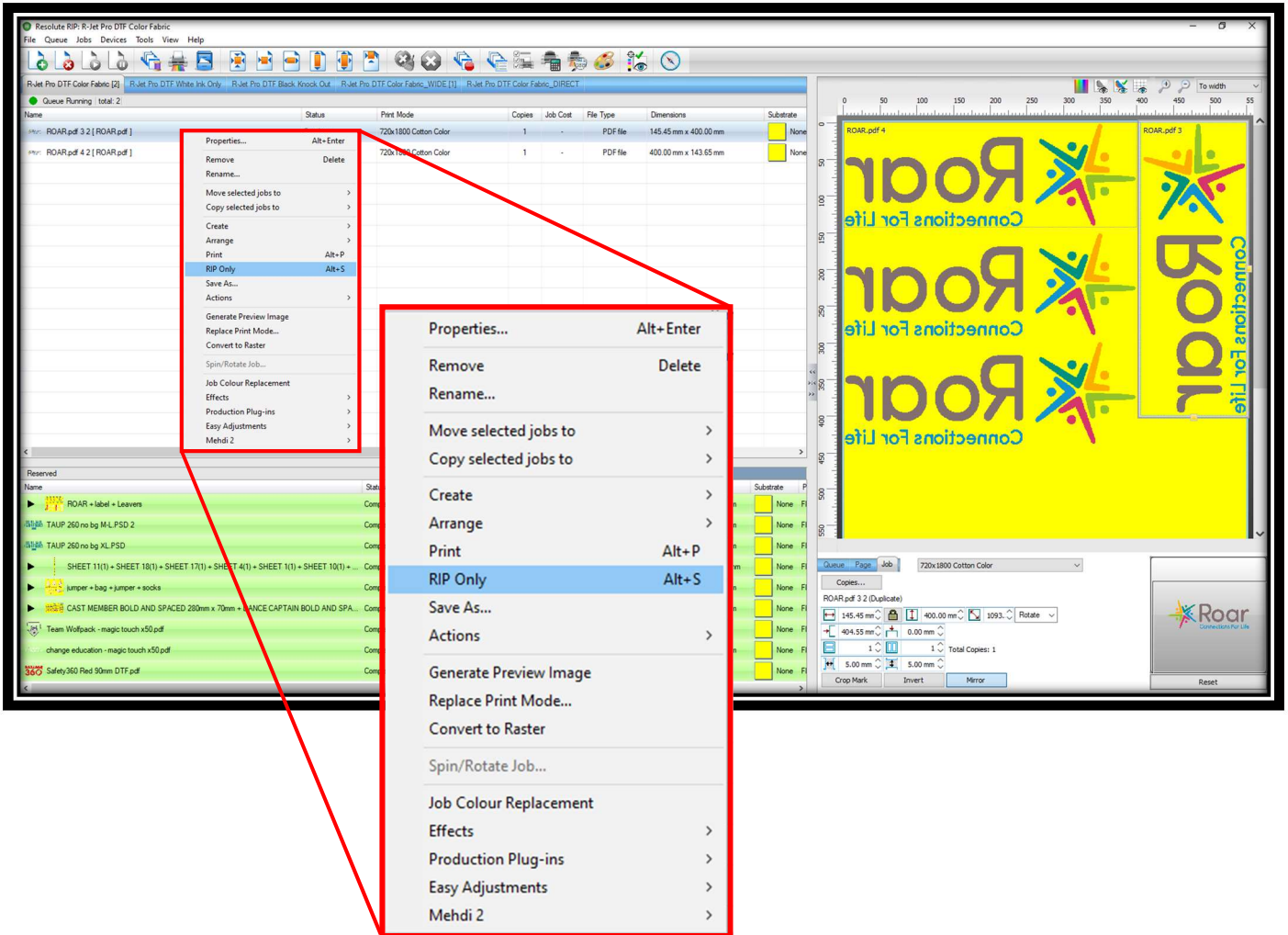
Go to **Section 7 RIP & Print**

Tip: The RIP can automatically rotate individual images when nesting but “copies” are nested in the current orientation. If automatic nesting isn’t effective, try changing orientation of copies and/or manually nesting by clicking the image and dragging it in the “Preview” pane. When manually nesting the RIP allows images to be placed less than the 5mm apart but doesn’t allow them to overlap, to avoid overlapping while manually nesting, drag images down to make space.

Notes:

Start Up Procedure

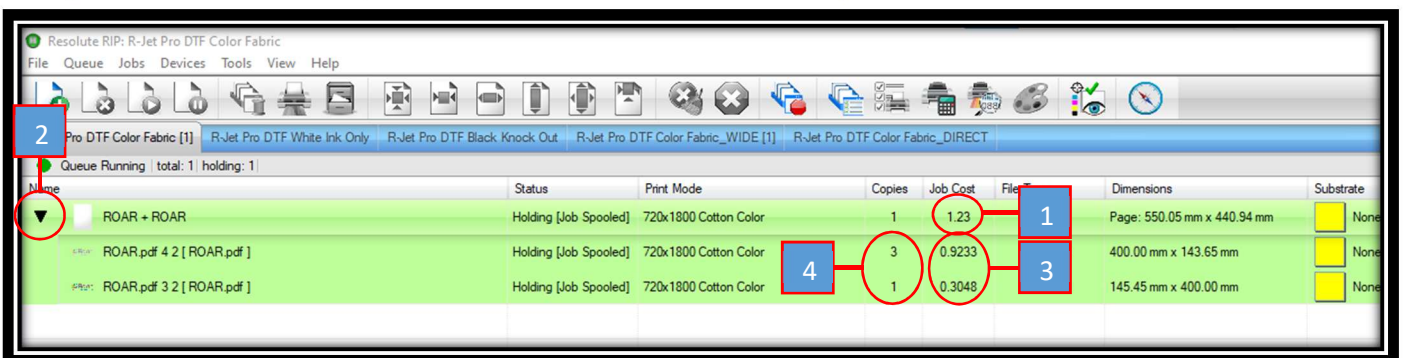
Section 7 - RIP & Print



To RIP the job for costing purposes:

1. "Right" Click the image in the "Job List" pane
2. Scroll down and click "RIP Only"

The job will be RIP'd but not printed and will remain in the "Job List" pane



- 1- The job total cost is displayed
- 2- "Click" triangle to get breakdown cost of each image in the job
- 3- Individual job costs displayed *Note: This is a combined cost if there are copies*
- 4- Number of copies in job

Tip: The cost price displayed covers the area of film occupied by the image, DTF Powder and Ink. It doesn't include any wasted film.

Start Up Procedure

Section 7 - RIP & Print (Continued)

The screenshot displays the Resolute RIP: R-Jet Pro DTF Color Fabric software interface. The 'Print' menu is open, showing options like 'Print', 'RIP Only', 'Save As...', 'Actions', 'Generate Preview Image', 'Replace Print Mode...', 'Convert to Raster', 'Spin/Rotate Job...', 'Job Colour Replacement', 'Effects', 'Production Plug-ins', 'Easy Adjustments', and 'Mehdi 2'. The 'Print' icon on the 'Quick Access' toolbar is also highlighted. The 'Job List' pane on the left shows a list of jobs, including 'ROAR.pdf 3.2 [ROAR.pdf]' and 'ROAR.pdf 4.2 [ROAR.pdf]'. The 'Properties...' dialog box is open, showing the 'Print' tab with options for 'Print Mode' (720x1800 Cotton Color) and 'Copies' (1). The 'Print' icon on the toolbar is circled in red, and a red line connects it to the 'Print' option in the 'Print' menu.

To send to Print either:

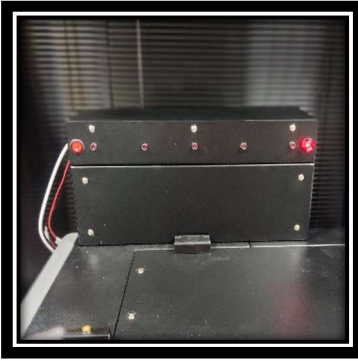
1. "Right" click the image in the "Job List" pane
2. Scroll down click "Print"

OR

3. Click "Print" icon on "Quick Access" toolbar

Notes:

Machine Minding During Operation



Refill Ink Tanks when alarm sounds. A flashing light will indicate which ink is in a low state

When refilling WHITE. The bottle **MUST** be **shaken for 15 minutes** and left to **stand for 10 minutes BEFORE** pouring in to the tank.



Monitor closely when the film runs low, **DO NOT** allow film to run out.

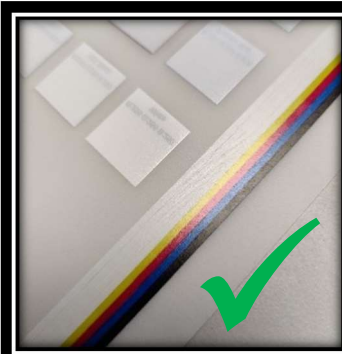


IMAGE A

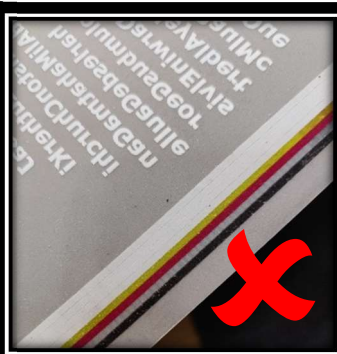


IMAGE B

Monitor pre-fire lines ensure colours and white are present and consistent "IMAGE A" If not pause and perform 2 x "Strong" > "Both" head cleans wiping blade between cleans.

When printing white only images some or all of colour pre-fire lines can drop out, it is OK to continue printing providing the white pre-fire lines are OK "IMAGE B". Before starting a colour job perform 2 x "Strong" > "Both" head cleans wiping blade between cleans.

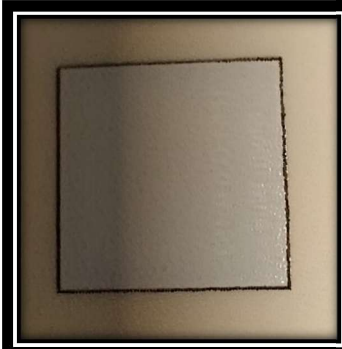


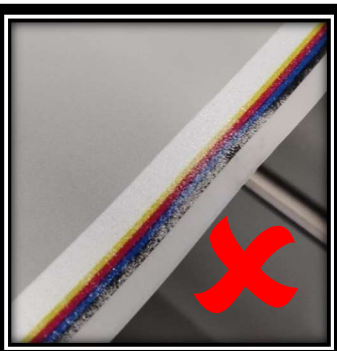
IMAGE A



IMAGE B

Ensure alignment is good "IMAGE A". The "Choke" should be a visible "halo" around the white.

If alignment is incorrect "IMAGE B". In DTF Magic Print software click "STOP" and press "Yes" to confirm. Follow instructions "Alignment Procedure" section of this manual.



INCREASING CURING TEMPERATURE

Images must be cured properly. Powder should be melted and not look powdery.

If powder isn't melted try:

Reducing the extraction to as low as possible without smoke being visible

Either increase the "Oven Heat Setting" by 5°C (allow temperature to stabilise before making further adjustments).

OR

Increase the timer by 10 secs

Machine Minding During Operation



DECREASING CURING TEMPERATURE

If transfers appear brown or film is too wrinkled reduce "Oven Heat Setting" By 5°C allow temperature to stabilise before making further adjustment.

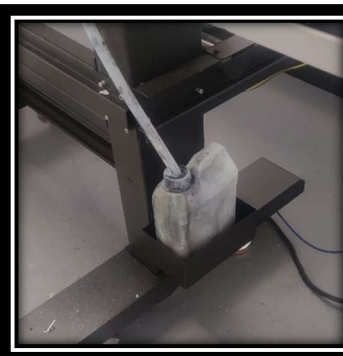
OR

Reduce the timer by 10 secs

If powder isn't curing increase temperature as above



If transfers appear wet "sweating". Either curing temperature needs to be increased or reduce the amount of White underbase in the RIP.



Check and empty the waste bottle regularly, an alarm will sound when it is about to overflow. Dispose waste ink through the official recycling channels.

IT IS PROHIBITED TO DISPOSE OF WASTE INK THROUGH FOUL WATER DRAINS (TOILET/SINK).

Notes:

Shutdown Procedure

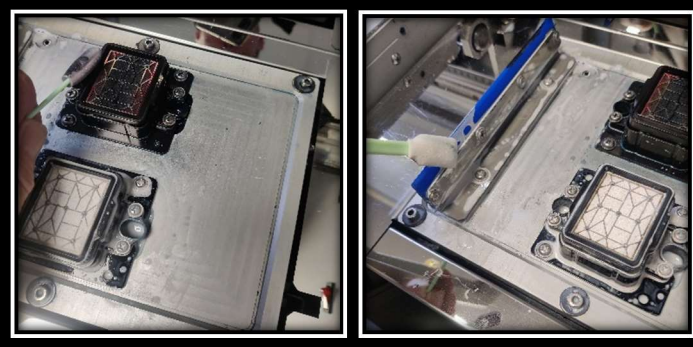


When the last print of the day is finished.

1. Move head to Left hand side use the printer control panel left arrow button



2. Take 2 cleaning swabs and soak in Cleaning/Capping Solution
3. Manually work the cleaning solution thoroughly into each head. Use different swabs for colour and white.
4. Clean any ink from the carriage assembly around the heads using alcohol wipes and paper towel. Take care not to touch the heads with either wipes or paper towel.



5. Clean around the edges of the capping stations with the swabs taking care not to cross contaminate white and colour inks.
6. Finally clean the plate around the capping stations and wiper blade with the swabs then discard them.

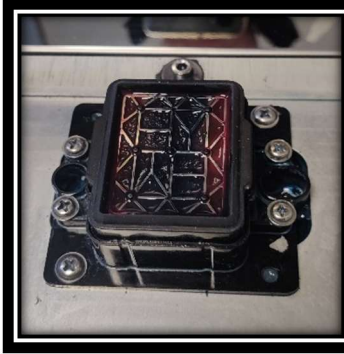


7. Mop up cleaning solution from the edges of the capping stations and surrounding areas including the wiper blade with tissue paper.



8. Use the alcohol wipes to remove any remaining ink around capping stations and film guides
9. Dry/Polish with paper towel

Shutdown Procedure



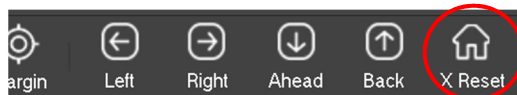
Picture 1



Picture 2

10. Put a small amount of capping solution in the colour capping station until it is wet (Picture 1)
11. Flood fill the white capping station to the brim with capping solution (Picture 2)

12. Click "X Reset" Button in DTF Magic Print software

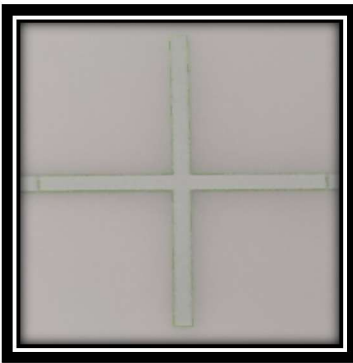


13. After the head has "homed" confirm the capping station has contacted the heads
14. Switch off Power Using Emergency Stop Button
15. LEAVE Mains Power switch ON to circulate ink when printer is not in use
16. Shut down DTF Magic Print software

CAUTION: Failure to shut down DTF Magic Print software may cause print settings to be lost.

Notes:

Alignment Procedure

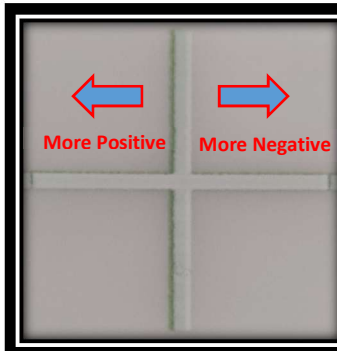


Good Alignment

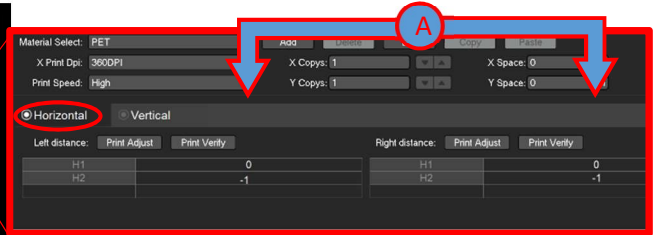
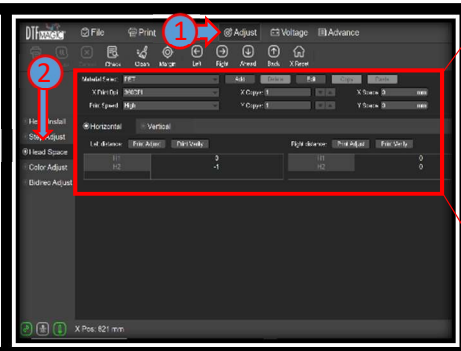
1. In DTF Magic Print software open “Cross Test” file normally located in c:\DTF Magic RIP\Print Data\Test Files
2. Set the “X Copies” to 18.
3. Press Print.

The printed green crosses should appear as in the “Good Alignment” with the white overprint centred precisely. A small “halo” of green should be visible on all the edges

Tip: slide a piece of white paper under the film to check alignment print



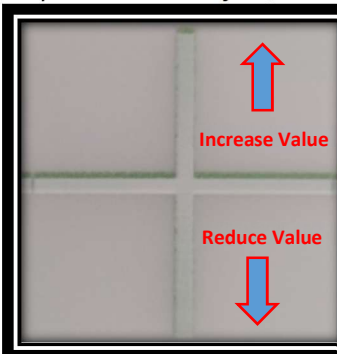
Horizontal Alignment



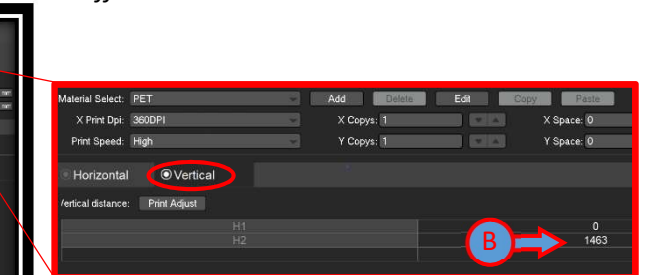
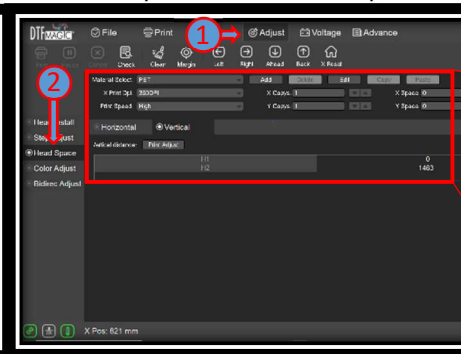
To adjust the cross horizontally follow this procedure:

1. In DTF Magic Print software open **1.** “ADJUST” Tab > **2.** Select “HEAD SPACE” from the left hand Menu select Horizontal
2. “**A**” values must be adjusted the same amount i.e. **if the values are different, maintain the difference between them.** To move white cross left make “**A**” numbers more positive and to move right more negative. *e.g. In the example shown above the white cross needs to move to the left so the -1 number would be set to 0 in both boxes. To move alignment right a figure of -2 would be entered in both boxes.*
3. Print cross test pattern to confirm alignment.
4. If alignment is not perfect repeat Step 2 until alignment is perfect (See “Good Alignment” picture above).

Tip: Increments of +1/-1 are best and repeat the cross test pattern to see effect



Vertical Alignment



To adjust the cross vertically follow this procedure:

1. In DTF Magic Print software click on the **1.** “ADJUST” Tab > **2.** Select “HEAD SPACE” from the left hand Menu select Vertical
2. To move the white cross up increase the “**B**” number to move down decrease it. *e.g. In the example shown above the white cross needs to move to UP so the 1463 number would be increased to 1464. To move down 1462 would be entered.*
3. Print cross test pattern to confirm alignment.
4. If the alignment is not perfect repeat Step 2 until alignment is perfect (See “Good Alignment” picture above).

Tip: Increments of +1/-1 are best and repeat the cross test pattern to see effect

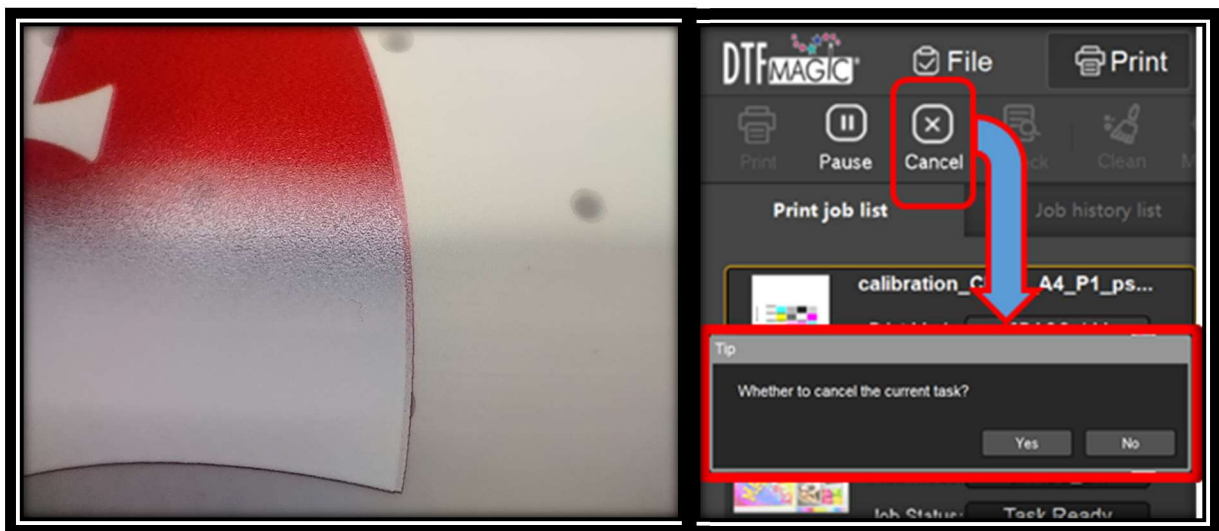
Calibration Procedure



Good Bi-directional Calibration

Poor Bi-directional Calibration

If output transfers are blurred/fuzzy, check Bi-directional Calibration following the procedure below



As soon as a calibration issue is spotted press "CANCEL" in DTF Magic Print software and click "Yes"

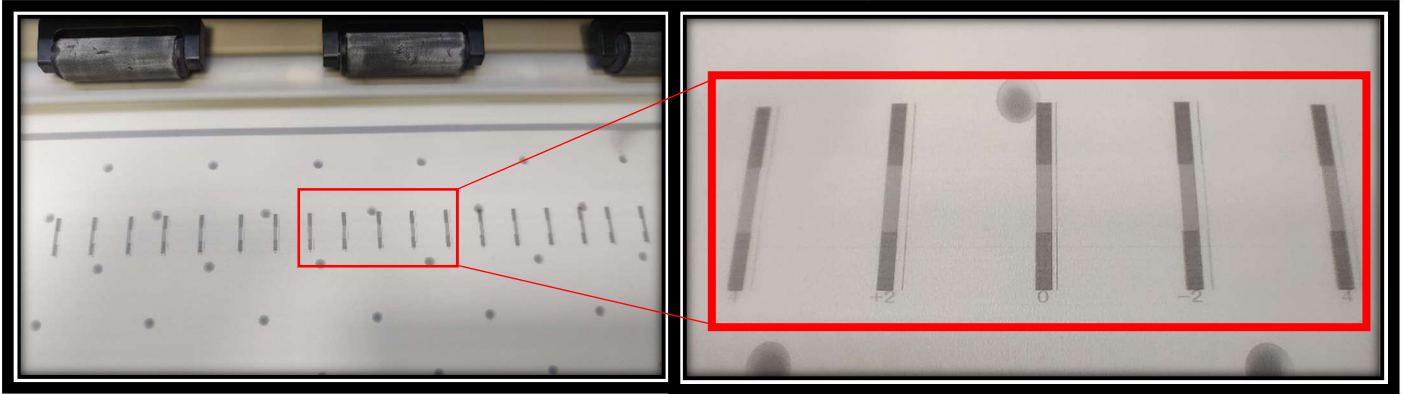


Calibration Procedure

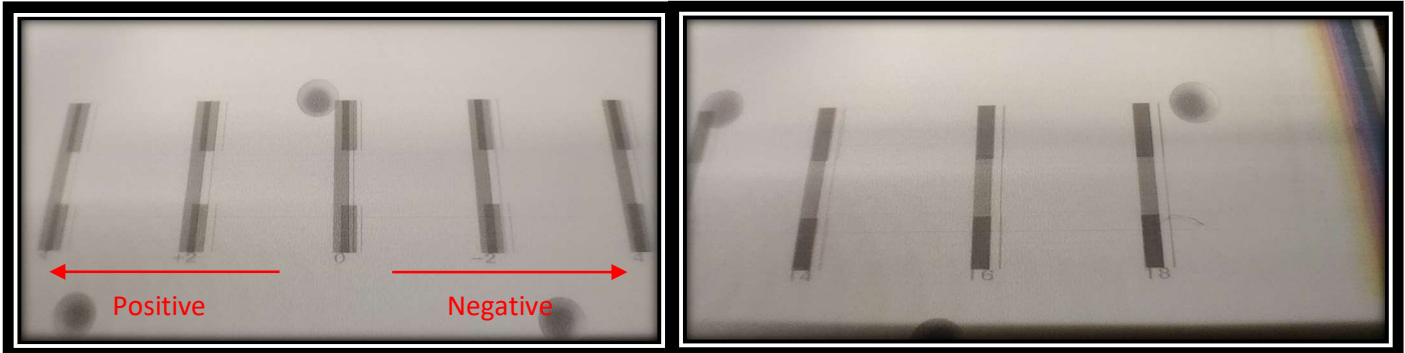
1. Click "ADJUST" tab
2. Click "BIDIREC ADJUST" from the left hand menu
3. Select Calibration print speed (Low/Middle*/High)
4. **WARNING:** Ensure nobody is working in the printer and print head is clear of obstruction before clicking "Print Adjust" Button

* Default Print Speed

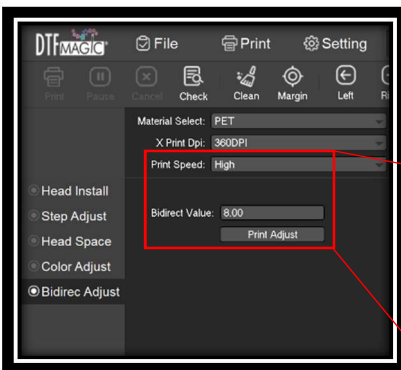
Calibration Procedure



If calibration is good "0" Middle line will be straight and lines to the left and right will be progressively offset (as above).

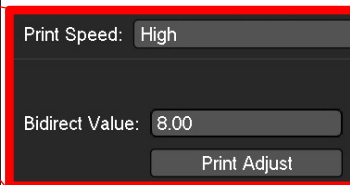


In the above example lines to the right of "0" get progressively straighter with line "18" being the straightest line. Because the line is to the right of "0" it is -18 (lines to the left are positive numbers).



In this example

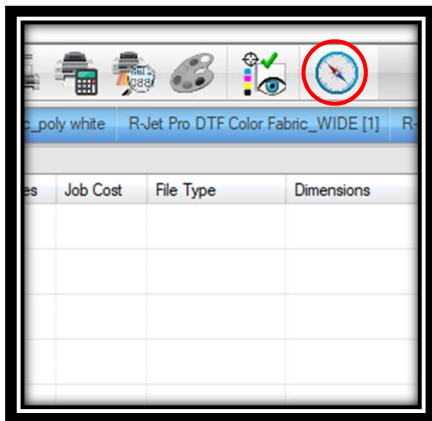
-18 needs to be added to the existing number "Bidirect Value" box.
e.g. $8 - 18 = -10$ "-10" need to be entered in the Bidirect Value



If calibration is too far out no lines will be straight. Keep repeating the process until "0" line is straight

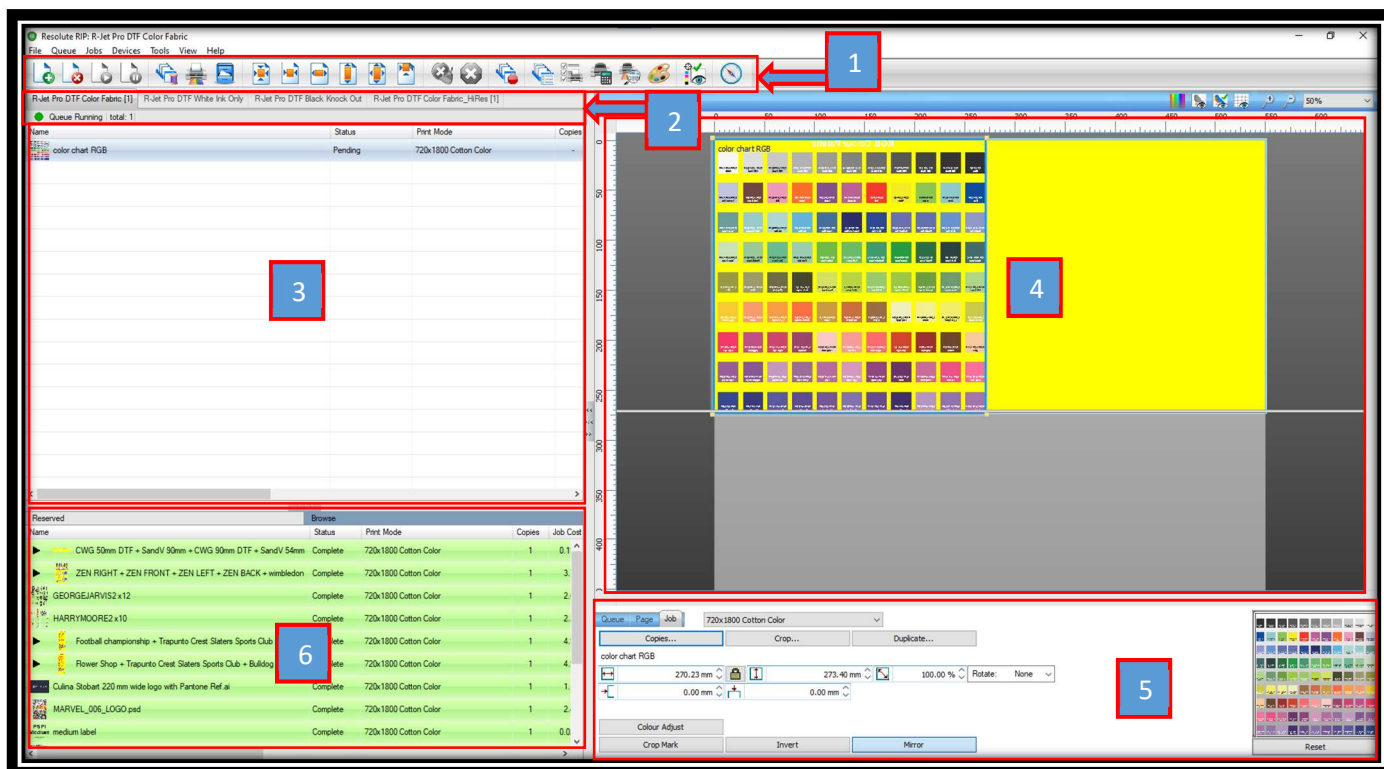
Notes:

RIP Basics



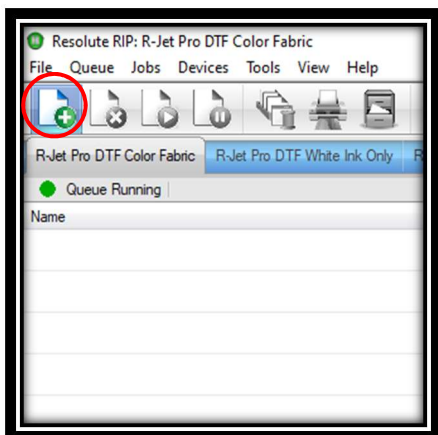
The following guide provides basic information to open, manipulate and RIP artwork ready for printing.

For detailed information regarding all the supported RIP features click on the “Compass” icon located on the “Quick Access” Tool Bar.



RIP Main Screen

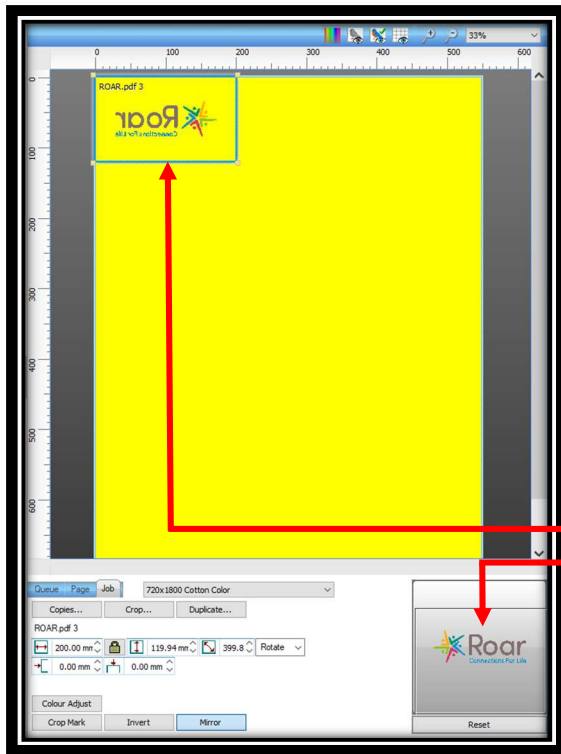
1. Quick Access Tool Bar
2. Queue tabs
3. Imported Job List Pane
4. Print Preview Pane
5. Image Manipulation/Job Attributes Pane
6. Job History Pane (held for 7 days as default)



Importing Artwork

5. Click “Import File” button on the Quick Access Tool Bar
6. Navigate to artwork to be printed
7. Select file/s to be opened Click “Open” button
8. On Import the artwork will be print ready i.e. mirrored with a white layer “underbase”

RIP Basics



The file appears in the Imported Jobs List and a Print Preview is displayed.

Check the Print Preview is:

5. Cropped to the edge of the image
6. Has no unwanted white areas in the image
7. Is sized correctly

Print Ready?

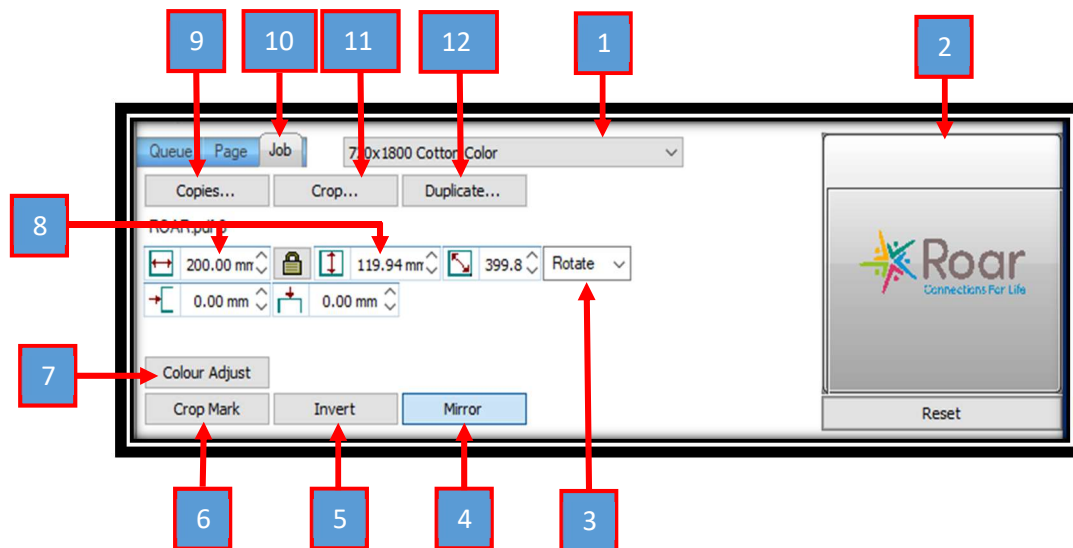
Go to **Section 7 RIP & Print** or:

To adjust/modify an image select it in the “Print Preview” or “Imported Job List” panes

A frame appears around the selected image

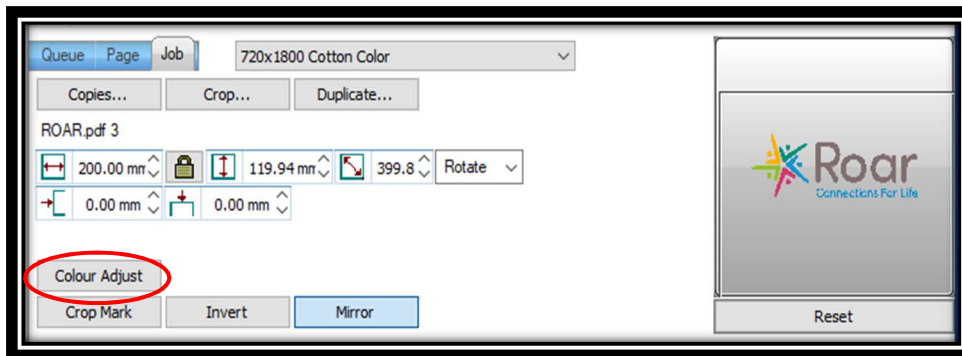
The original image is displayed in the attribute window

Only the selected image will be manipulated

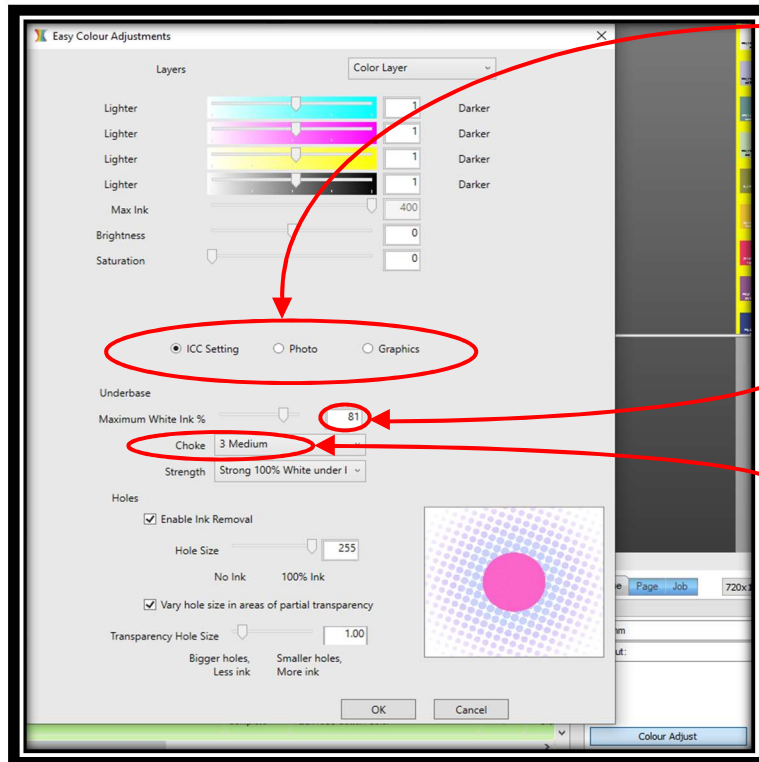


1. “Print Mode” Select for desired output/fabric
2. Original Artwork Preview
3. Rotation Tool (**Instructions in Section 3**)
4. Mirror Button - use only if the original artwork was already mirrored
5. Invert Button - creates a colour negative, black to white
6. Crop Mark - adds crop marks to artwork
7. Colour adjust options (**Instructions in Section 1**)
8. Image dimensions, scaling tools
9. Copies - RIP Once step and repeat smaller file size (**Instructions in Section 4**)
10. Job Tab
11. Crop - opens cropping window (**Instructions in Section 2**)
12. Duplicate - opens a second instance (**Instructions in Section 5**)

Section 1 - Colour Adjust (Setting Choke/White Underbase/Colour Rendering Intent)



Click colour adjust > opens Easy Colour Adjustments window



Select "Rendering intent"

ICC Setting = "Relative Colourmetric" with Pantone Spot Colour Replacement

Photo = Best for Flesh Tones

Graphics = "Absolute Colourmetric" Best for Company Logos and Graphics with maximum vibrancy

Set Max white ink for "Underbase"

Default is displayed - Increase for stronger whites under colours

Set "Choke" for artwork with fine lines

It is important that artwork has an amount of white underneath it to provide sufficient ink for the powder to stick to. If lines are 6 pixels wide or less the choke will have to be reduced in order to get some white printed behind them.

"Colour Adjust" button in the "Job" tab is only available before image manipulation (Cropping/Copies etc.)
Adjustments made here only override Queue settings for the selected image.

"Colour Adjust" button in the "Queue" tab available after image manipulation (Cropping/Copies etc.),
Adjustments made here override Queue defaults for the entire job.

Colour Rendering Intent*

Choke*

White Underbase*

Ink Limit

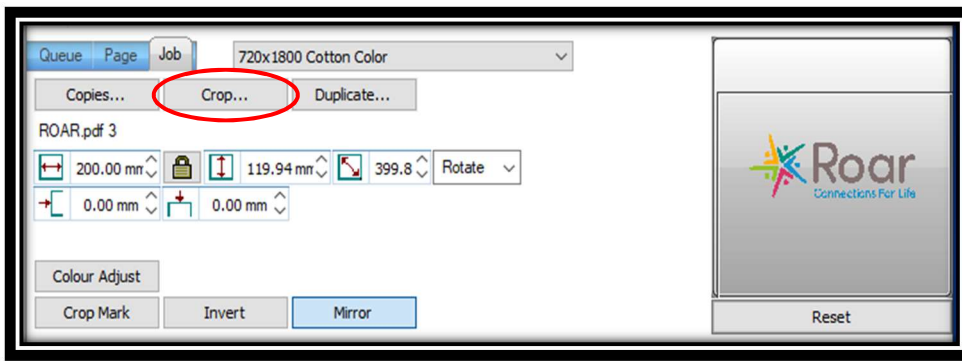
Layer Intensity

Brightness and saturation

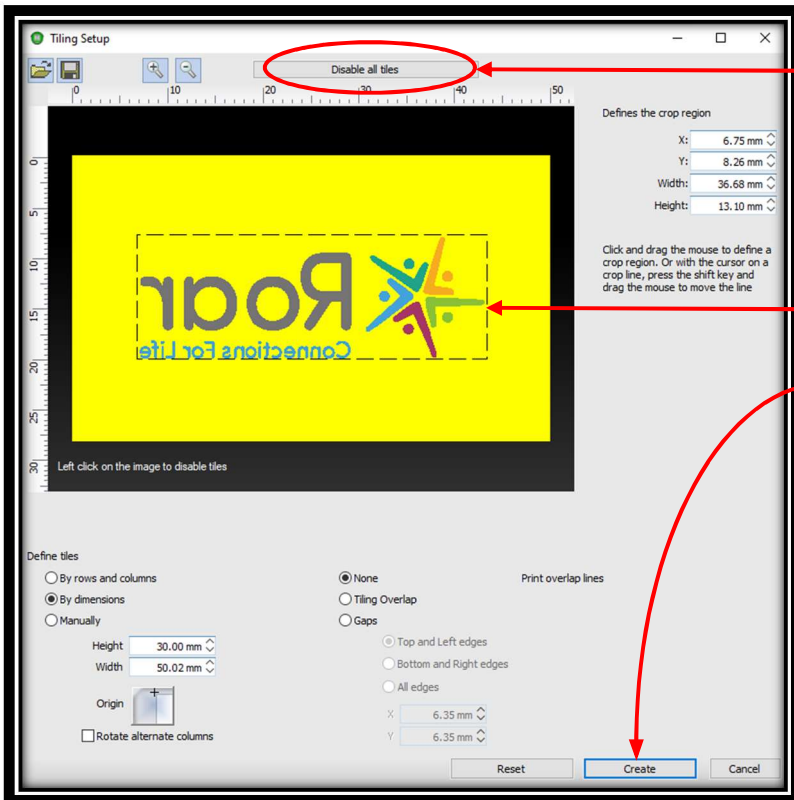
Maximum Ink

*Tip: *It can be useful to illustrate differences in Rendering Intent, Choke and White Underbase for customer acceptance. However, it is not good practice to make other colour adjustments in the RIP, for consistency these adjustments should be made in original artwork.*

Section 2 - Cropping



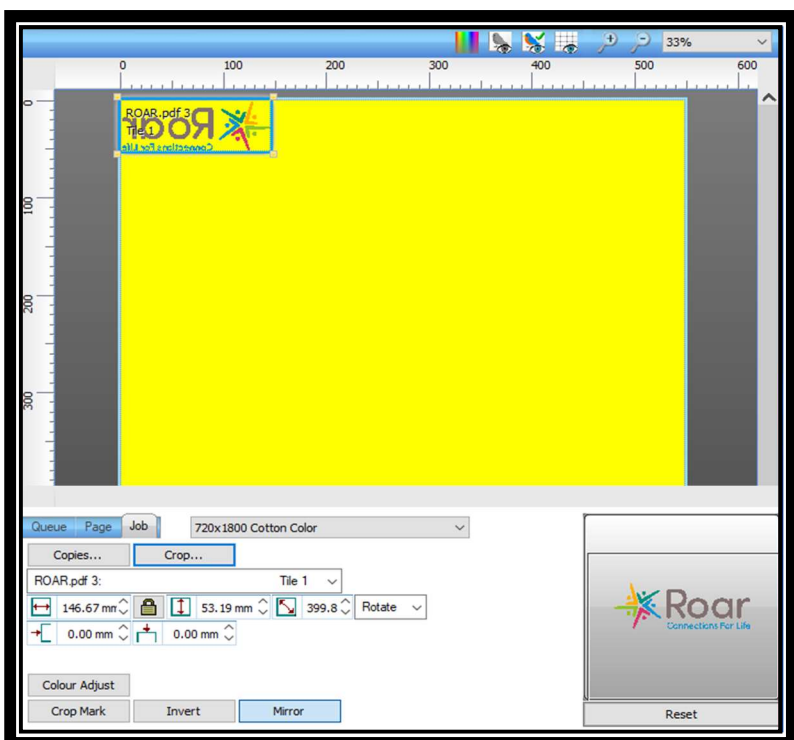
Click "Crop" > opens cropping window



To discard the cropped area click "Disable all tiles". "Enabling Tiles" crops images too wide for the film retaining the cropped areas as "tiles", which are printed and can be joined later when pressing.

Drag the cropping line to the edges of the image
Click Create

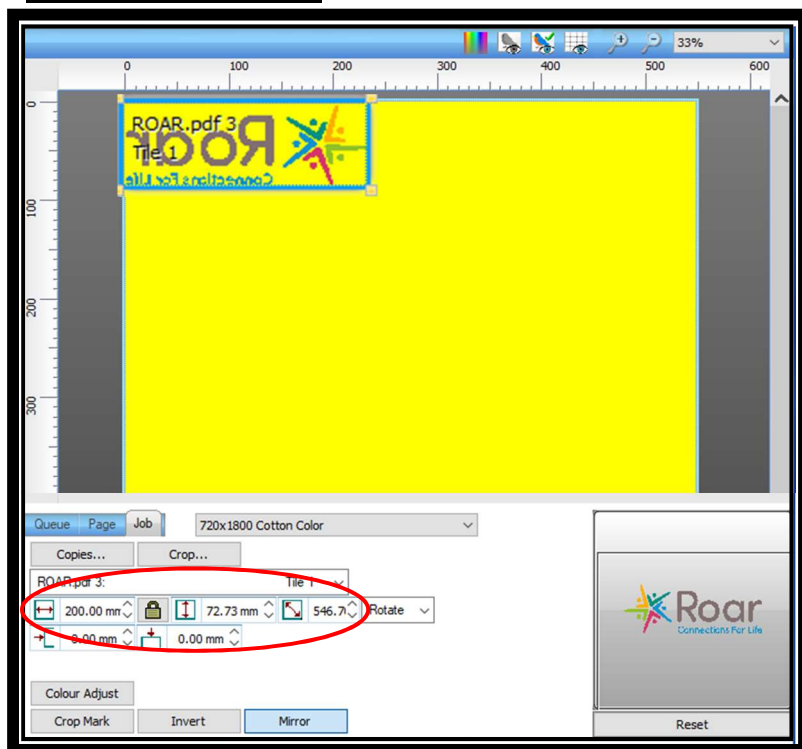
Tip: work in Images saved as PDF or EPS to remove unwanted borders the RIP always nests with a 5mm boarder. Wasted film wastes money.



Once the image is cropped it can be (if necessary) resized, copied and nested.

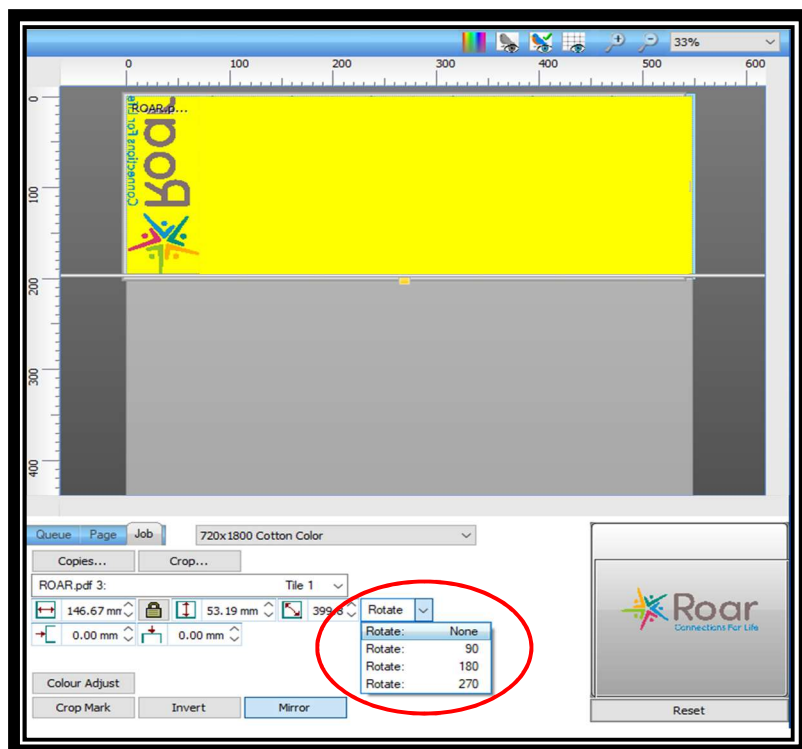
Print Ready?
Go to **Section 7 RIP & Print**

Section 3 - Resizing



To resize an image simply type the vertical or horizontal dimension in the required box. When the “padlock” is closed both X and Y dimensions change maintaining the aspect ratio.

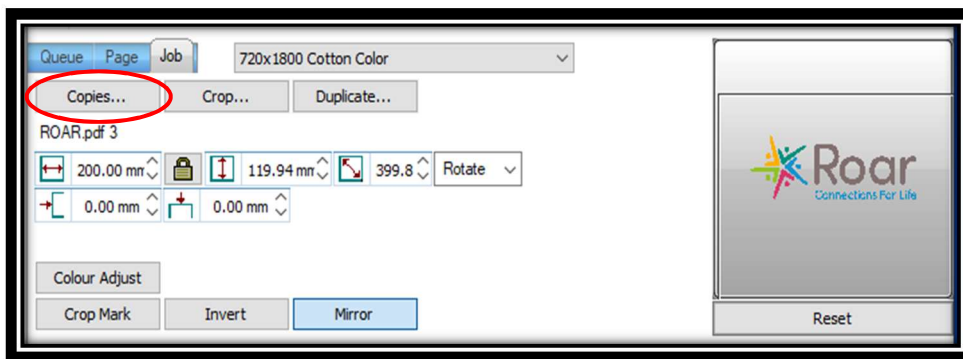
Clicking the “padlock” unlocks it allowing X and Y to be changed independently of each other.



To make the most efficient use of the film when the image is nested it may be rotated. Select the image in the Print Preview pane. Click “Rotate” and select an angle of rotation from the drop down selection.

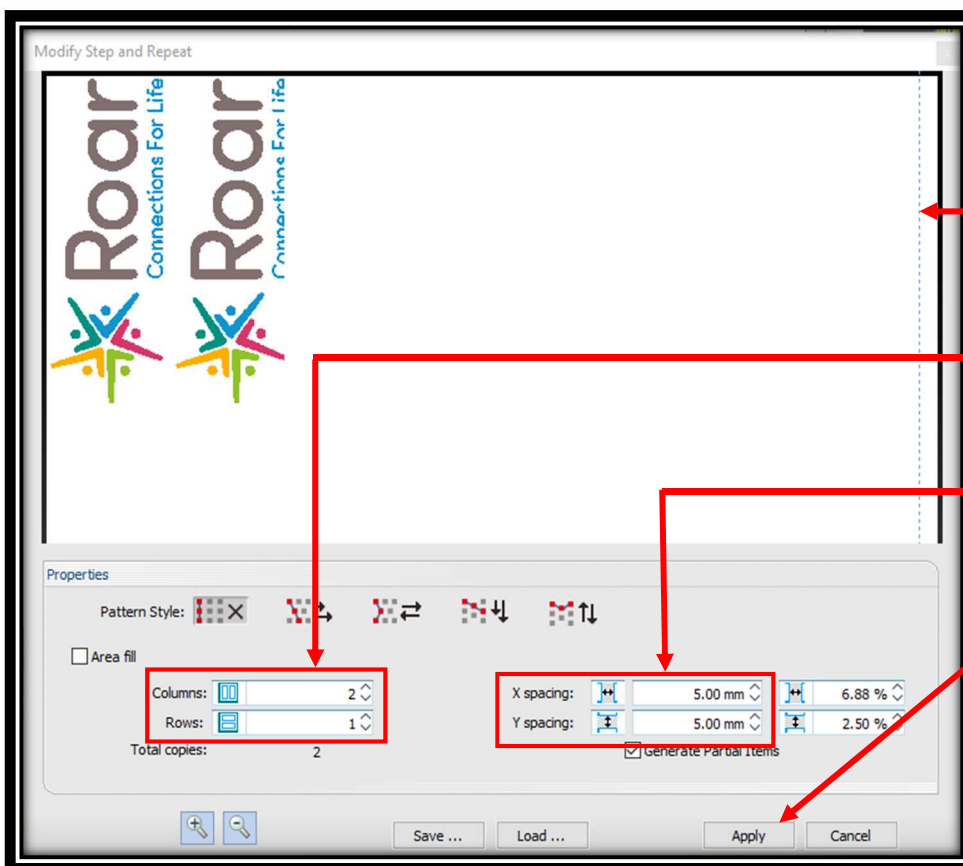
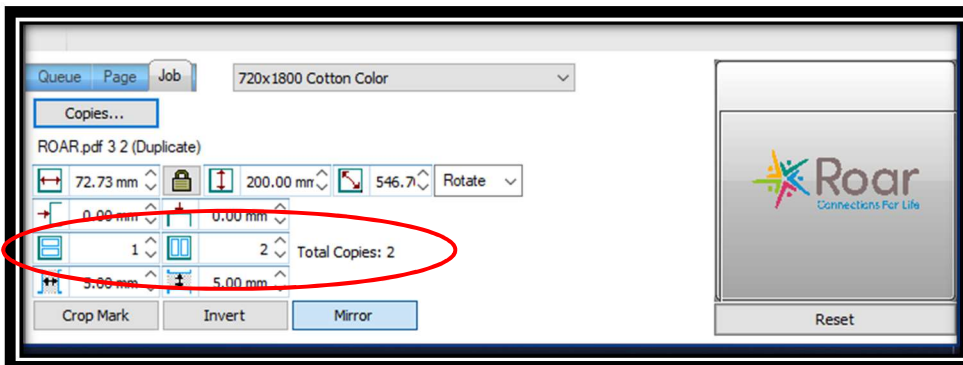
Notes:

Section 4 - Using Copies



Using the Copy Function

A single click on the “Copies” button steps and repeats the selected image once, and opens the rows and columns boxes. Numbers can be entered manually.



Double click “Copies” button opens the “Modify Step and Repeat” window.

The dotted line shows the maximum printable width with this particular image

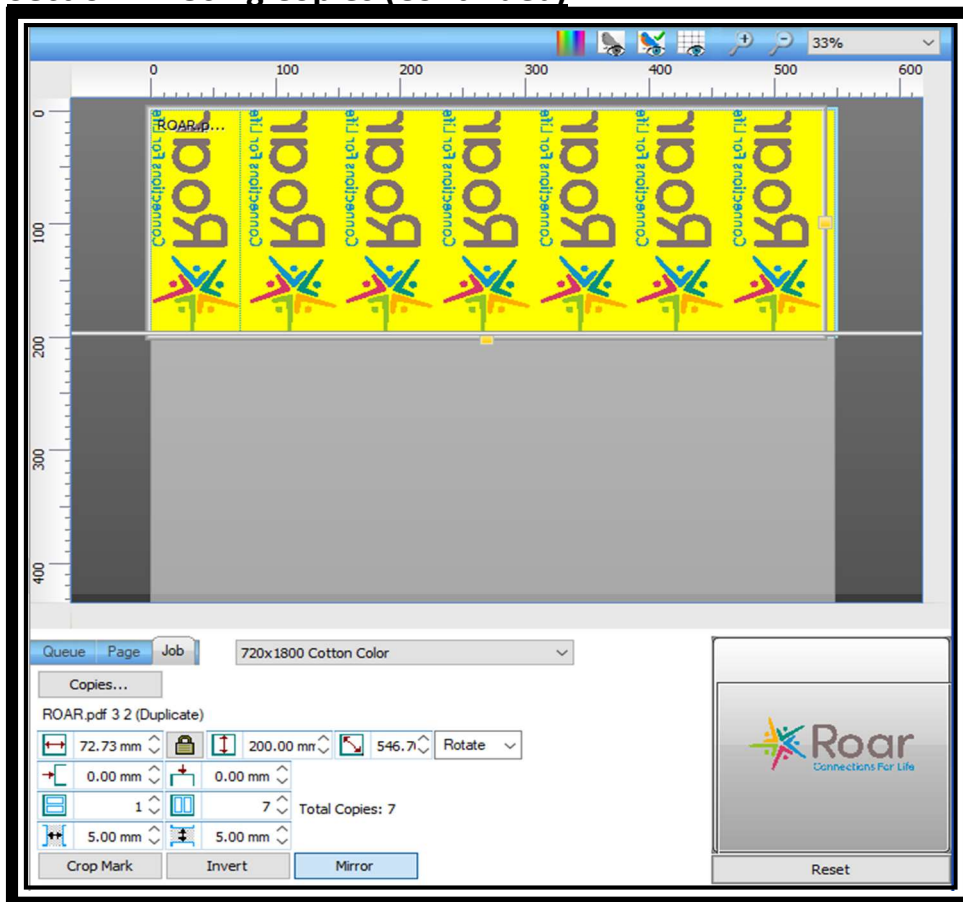
Directly enter numbers in columns and/or rows or use the arrows to increment the number of copies

Adjust “X” and “Y” spacing to maximise space to cut out the finished transfers

Click Apply

Notes:

Section 4 - Using Copies (Continued)



When the width of film is utilised efficiently the job is ready to RIP.

Example:

If the order is for 20 units, “Copies” will be done in DTF Magic Print software. This keeps the RIP’d file size to a minimum.

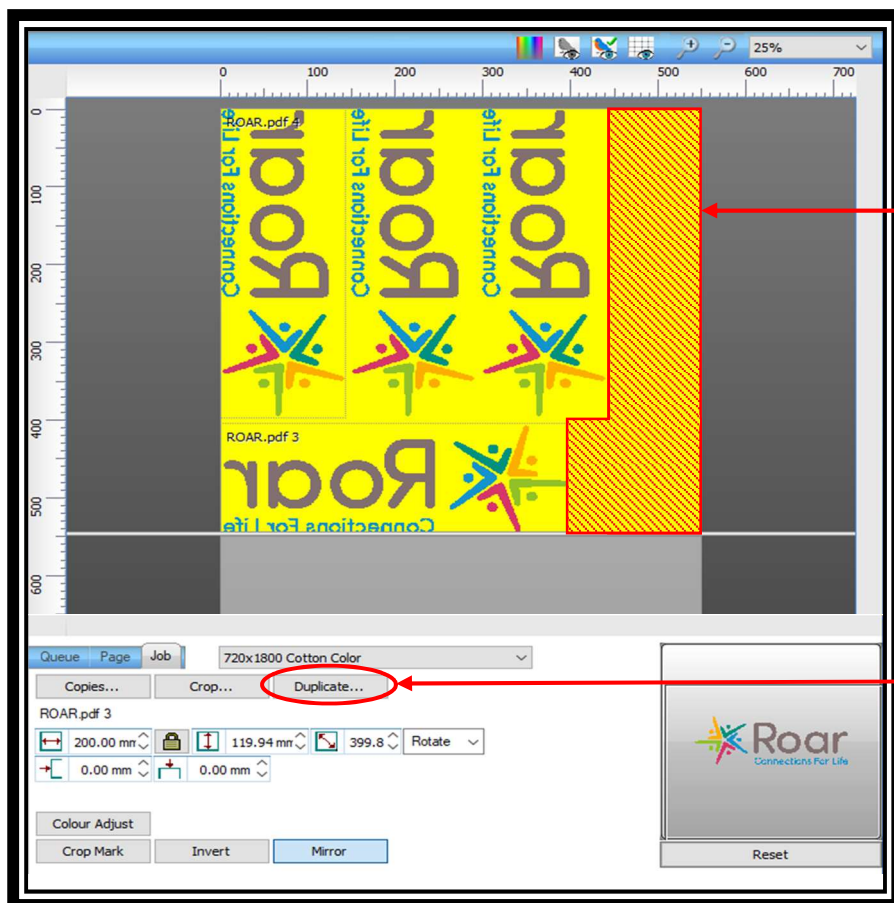
In the example 7 copies are RIP’d so setting “Y Copies” to 3 in DTF Magic Print software, will result in 21 copies actually being printed.

Print Ready?

*Go to **Section 7 RIP & Print***

Notes:

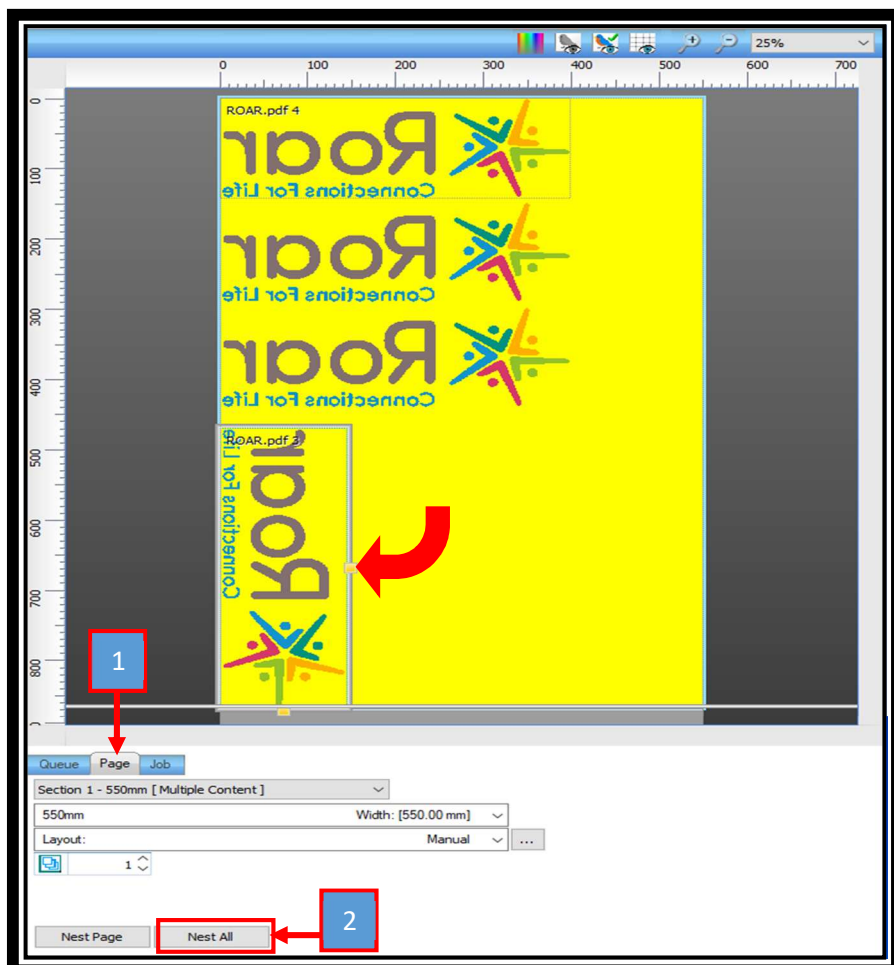
Section 5 - Using Duplicates



Sometimes, the size of the image, no matter how it is rotated the film cannot be used economically.

This is where Duplicate may help reduce wastage.

Click "Duplicate" button.
Ask for 1 duplicate click "OK"

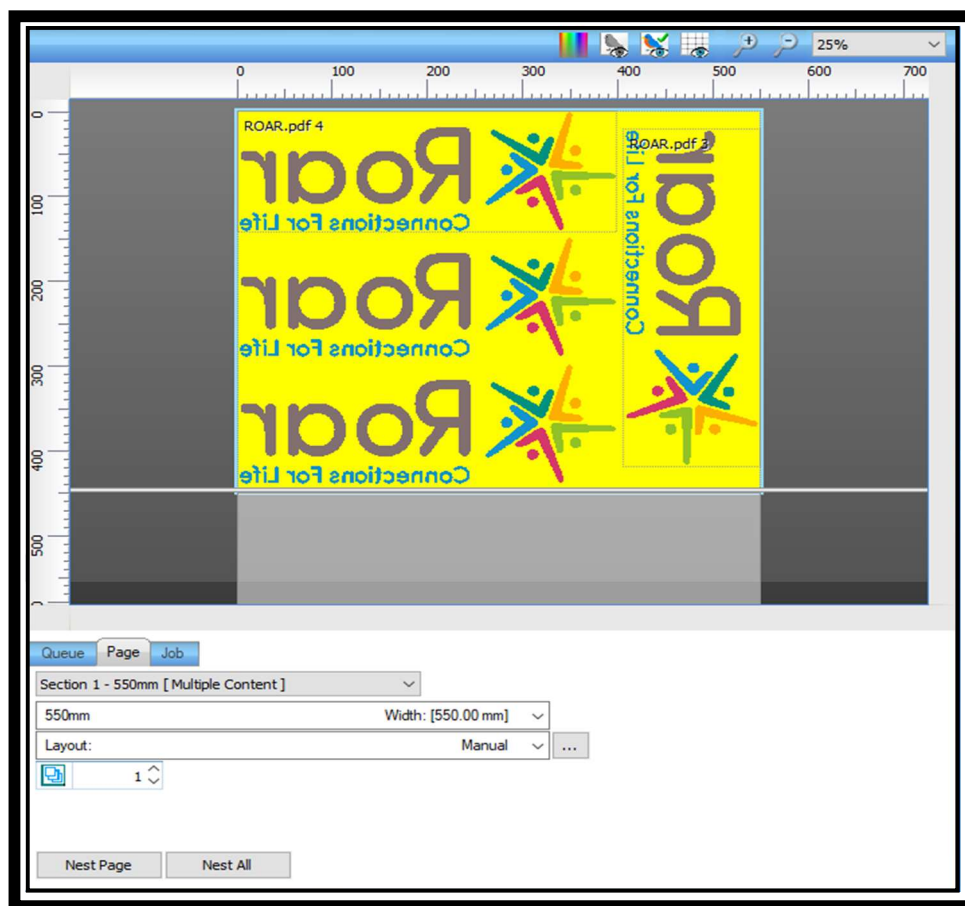


The duplicate file is brought in, Rotate so one is horizontal and the other vertical.

With files in both orientations it is possible adjust copies to make better use of the film reducing wastage.

Click "1" Page tab and "2" Nest All button.

Section 5 - Using Duplicates (Continued)



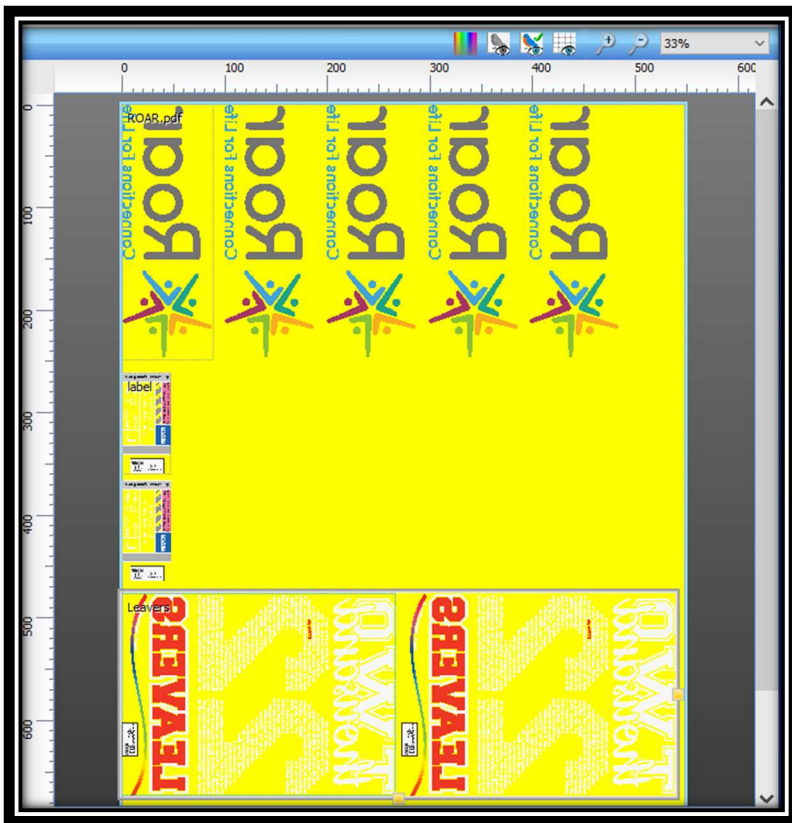
The RIP automatically “nests” the images 5mm apart to make best use of the film.

Print Ready?

*Go to **Section 7 RIP & Print***

Notes:

Section 6 - Nesting



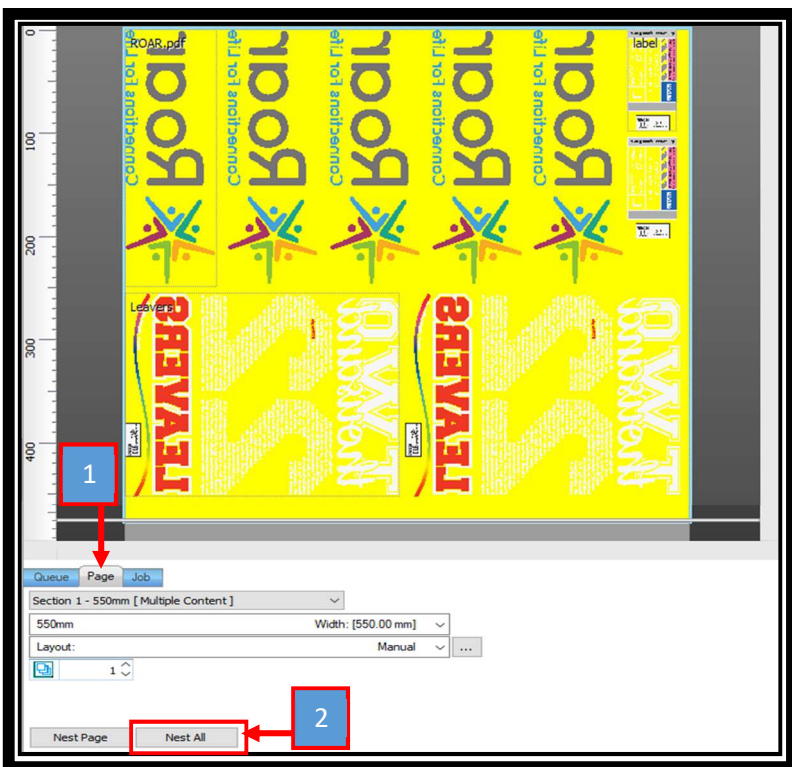
The RIP can automatically nest all imported images with a default 5mm gap to make economical use of the film. If small quantities of transfers are required, the option to nest images of different sizes in to a single print job has advantages.

To do this:

5. Import the files to be nested
6. Set copies and orientation etc.
(refer to appropriate sections above to get the images “print ready”)

Tip: Importing too many files makes the resulting print file very large and increases the time it takes to RIP.

7. Click on the **1** “Page” tab
8. Click on **2** “Nest All” button



The RIP automatically “nests” the images making best use of the film.

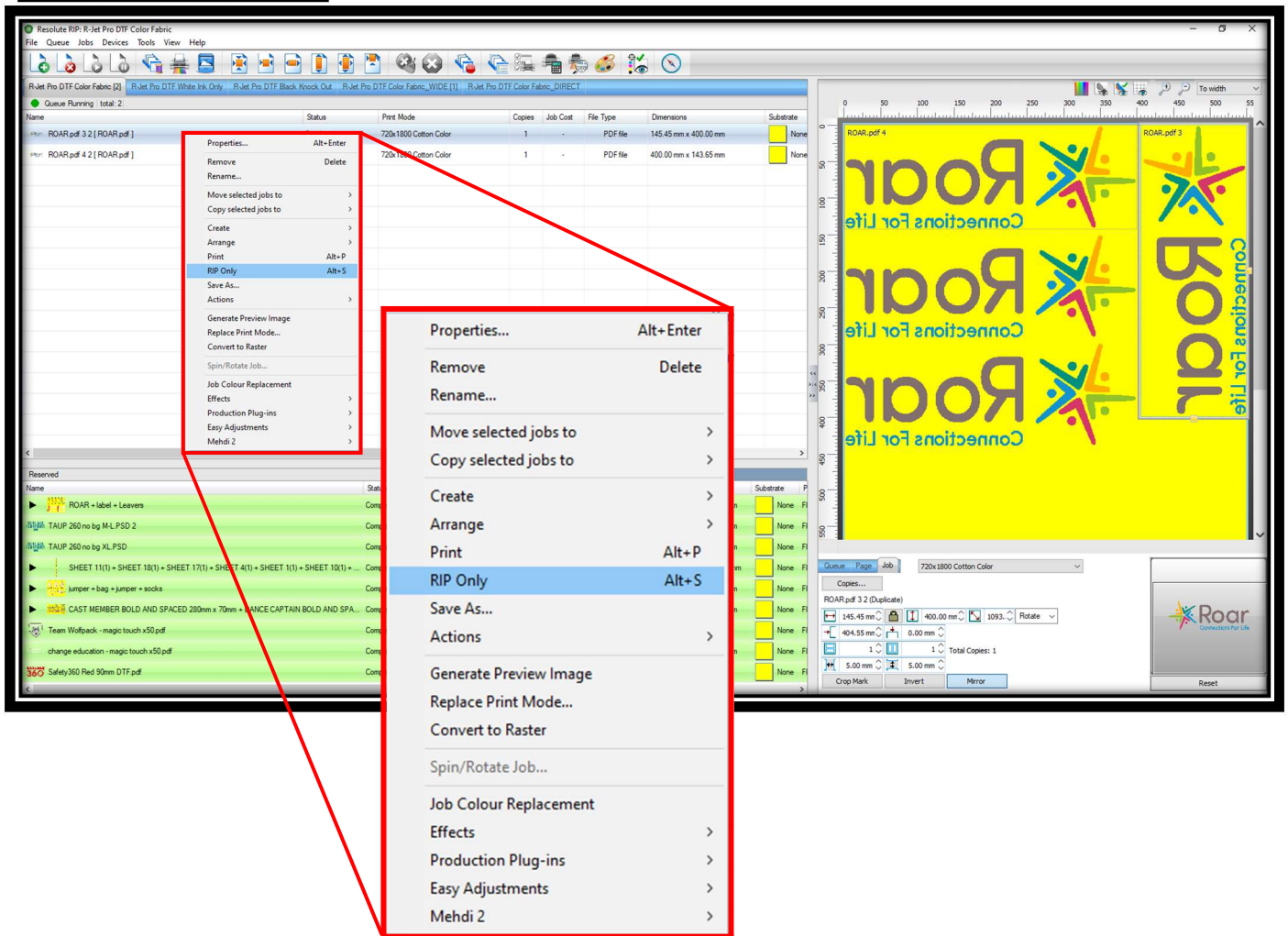
Print Ready?

Go to **Section 7 RIP & Print**

Tip: The RIP can automatically rotate individual images when nesting but “copies” are nested in the current orientation. If automatic nesting isn’t effective, try changing orientation of copies and/or manually nesting by clicking the image and dragging it in the “Preview” pane. When manually nesting the RIP allows images to be placed less than the 5mm apart but doesn’t allow them to overlap, to avoid overlapping while manually nesting, drag images down to make space.

Notes:

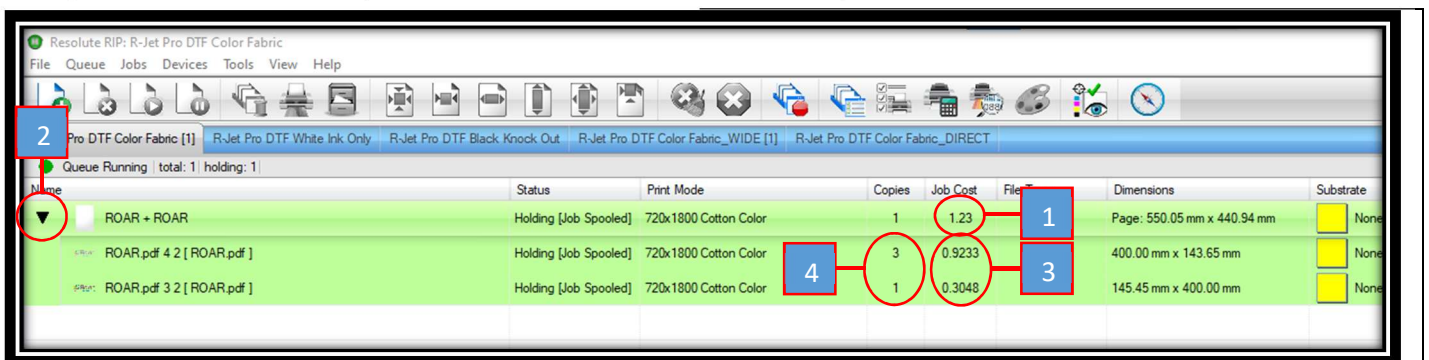
Section 7 - RIP & Print



To RIP the job for costing purposes:

3. "Right" Click the image in the "Job List" pane
4. Scroll down and click "RIP Only"

The job will be RIP'd but not printed and will remain in the "Job List" pane



- 5- The job total cost is displayed
- 6- "Click" triangle to get breakdown cost of each image in the job
- 7- Individual job costs displayed *Note: This is a combined cost if there are copies*
- 8- Number of copies in job

Tip: The cost price displayed covers the area of film occupied by the image, DTF Powder and Ink. It doesn't include any wasted film.

Section 7 - RIP & Print (Continued)

The screenshot displays the Resolute RIP software interface. The top menu bar includes File, Queue, Jobs, Devices, Tools, View, and Help. The toolbar contains various icons, with the 'Print' icon (a printer) circled in red. The 'Job List' pane on the left shows a list of jobs, with 'ROAR.pdf 3.2 [ROAR.pdf]' selected. A right-click context menu is open over this job, showing options like Properties..., Remove, Rename..., Move selected jobs to, Copy selected jobs to, Create, Arrange, Print (highlighted), RIP Only, Save As..., Actions, Generate Preview Image, Replace Print Mode..., Convert to Raster, Spin/Rotate Job..., Job Colour Replacement, Effects, Production Plug-ins, Easy Adjustments, and Mehdi 2. The 'Print' option is also highlighted in the toolbar. The main workspace shows a preview of the 'ROAR' logo on a yellow background.

To send to Print either:

4. "Right" click the image in the "Job List" pane
5. Scroll down click "Print"
- OR
6. Click "Print" icon on "Quick Access" toolbar

Notes: