



AM.CO.ZA FastCOLOUR Large Format Printer EPSON® DX5/DX7 Printhead Alignment Tool User Guide

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Connect to Printer and Default Interface

AM.CO.ZA FastCOLOUR EPSON Printhead Alignment Tool	
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Printer IP 196 . 25 Local IP 196 . 12 . 0 . Set IP	
Align-Print setup-	N
Dirc Bidi.	C Connect
H Hidi. Align 13 A Save D Soft Low	
Speec Speed2	·
S Step Align 2350 Calc. Save	Default
Tune Calc.	
T 1. Measure dist D een two Cros rite into <distance></distance>	
2. Hit <calc.> to update, distance equal U .4mm is best</calc.>	Entry advanced Setup
3. To reduce the calibration coefficients Overlapping, Otherwisse increse	
Test	
Nozzle test Width: 1 Test page More	
Height: 1 Pause Resume Cancel	
W. Gap: 0	
H. Gap:0	
Connect OK V208ST NET CV743F FV3313H UV743 DEV:G078-0000 ENG PID:1003 EncB	Color array KKCCMMYY

Click "<u>Connect</u>" **A** Button to connect to your AM.CO.ZA FastCOLOUR Printer. If cannot connect, check your network cable, as well as follow the "FastCOLOUR Network and Driver Setting" instruction on our Utility Disc.

Once You Click the "<u>More....</u>" M Button, you will see more options.

Maintenance	
Maintenance	
Clean Head capped Pump Strong pump Flush	
Stop	
Test	
Vert. test Angle check Interleave	
Import or export profile	
Import profile Export profile Update Driver	

Printhead Vertical Alignment

This alignment is only required to be performed after Printhead position physically changes.



The order of the colour may different as illustrated above, because the order of ink colours supply to the Printhead may different.

If you got **Pattern A**, your Printhead vertical alignment is perfect.



If you got Pattern B or C, adjust head position, then reprint, until you get Pattern A.

If you got Pattern D or E, (too much gap in between or overlap plenty), do Step Alignment first.

Printing Step Alignment

This alignment is only required to be performed when machine has been setup first time, or after motor, belt, gear, any mechanical has been changed and/or any printed circuit board has been change.

Tune Method

Press "Tune" **T** Button, your printer will print two crossed lines with numbers underneath.

-								
+8	+6	+4	+2	0	-2	-4	-6	-8

The goal is to get two lines crossed at position 0.

If two lines crossed but position is not 0, type the number underneath crossed point into block D, then Calculate U and Save E, then print again.

If two lines NOT cross, use "Step Align" method below. Then perform "Tune" again for best result.

Step Align Method

Press "Step Align" **S** Button, your printer will print a big square. Once finished printing, measure the Length (the media rolling direction, not width) of the square, and put the measurement in <u>millimetre</u> (mm) into Block **B**, then calculate **L** and save **E**.

Then back to "Tune" to get best result of step alignment.

Horizontal Printing Alignment

Our FastCOLOUR Large Format Printers come with bi-directional printing technology -- to express ink both coming and going during the high speed printing. Horizontal Printing Alignment is to ensure ink droplet land on same spot on both directions. This printing alignment is NOT required if you disabled the bi-directional printing.

When the distance between "Printhead" and "Printable Media" changes, this alignment has to be **performed.** E.g. changed printable media, lift or lower down the print head.

Click "<u>Hidi. Align</u>" **H** Button, your printer will print a pattern as:



The goal is get **0** position printed of both directions visually vertically straight.

If you found any other position with better result, add (or minus) the number with the number in block **A** and Save **D**.

Then print again to confirm.

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