EPSON SureColor SC-S9100 Series contone driver

This document describes the supported features and options of the EPSON SC-S91X0 CT printer driver for Fiery XF.

Supported printers

- EPSON SureColor SC-S9100 (Europe, Middle East, Soviet Union)
- EPSON SureColor SC-S9170 (America, Canada)
- EPSON SureColor SC-S9160 (Australia, New Zealand)
- EPSON SureColor SC-S9140 (Korea)
- EPSON SureColor SC-S9150 (Japan)
- EPSON SureColor SC-S9130 (Southeast Asia),
- EPSON SureColor SC-S9180 (China, Hong Kong)

Driver Names (appearance in Fiery XF)

I. **EPSON SC-S91X0 CT**
II. **EPSON SC-S91X0 (White) CT**

Supported OS

- Windows 64
- *Mac OS X not supported*

License

You require a license for Printer Option Group 6

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Technical specifications

Item	SureColor SC-S9100
Printer width	64 inches
Ink set	Epson UltraChrome GS3 Ink 11 colors: C/M/Y/BK/LC/LM/LK/R/OR/GR/WH 10 colors: C/M/Y/BK/LC/LM/LK/R/OR/GR
Print resolution and target speed (m2/h)	300 x 300 300 x 600 600 x 600 1200 x 600 1200 x 1200
Custom paper #	Custom paper: #1-50
Custom paper setting	Epson Edge Dashboard software manages custom paper settings.
Auto adjustment	PF, bi-di adjustment
Additional dryer	Optional equipment

Connection

USB: USB3.0 SuperSpeed
Wired LAN: 1000Base-T - Print via TCP port 9100

Color mode

- CMYK

Ink configuration

- EPSON UltraChrome GS3 ink

Media source

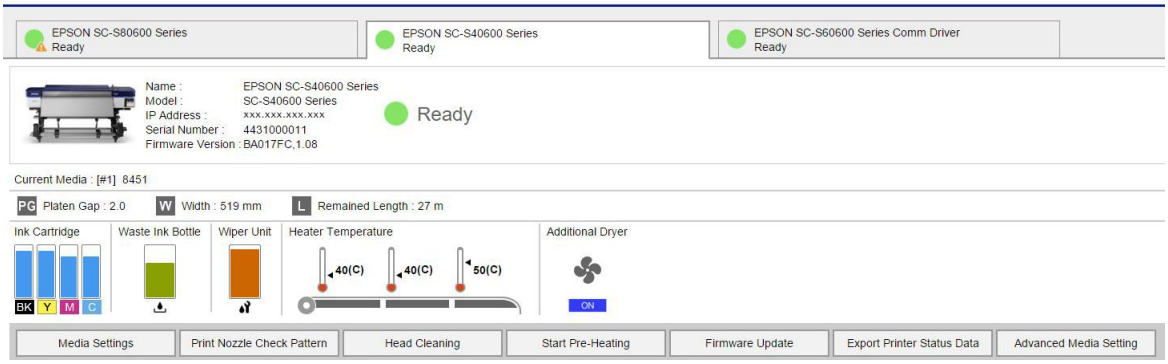
- Roll

Preparation

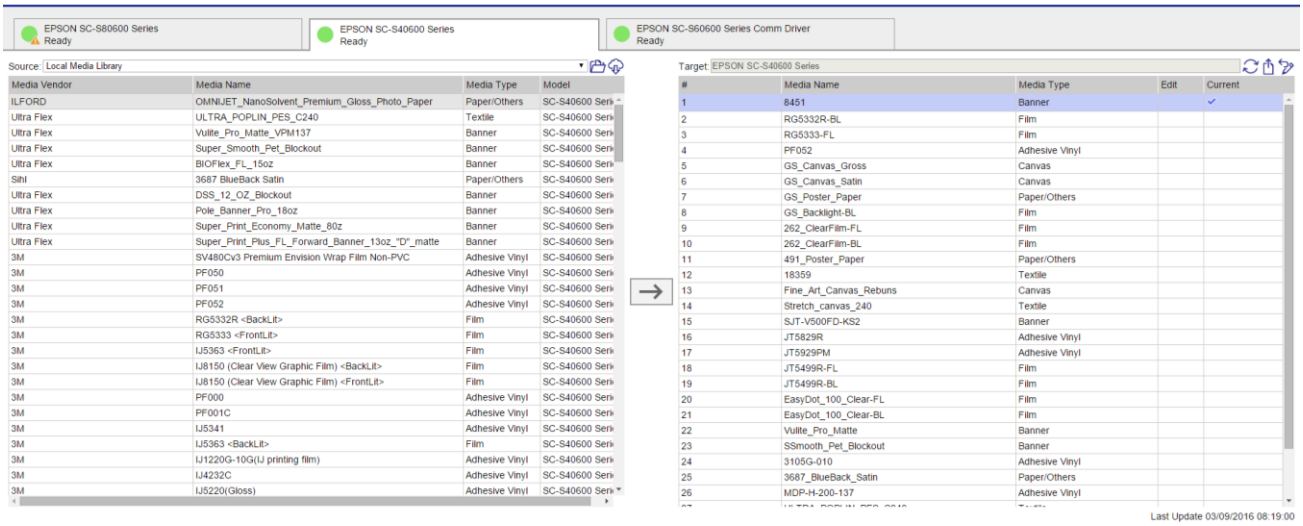
Before you can use the Epson SureColor printer in the FIERY RIP software, you must first install and set up Epson Edge Dashboard. Go to www.epson.sn to download and install the latest printer driver and Epson Edge Dashboard.

After installing the software, register your printer using the Epson Edge Dashboard. It is possible to register up to four printers. For more information on printer registration, see the Epson documentation.

If everything is set up correctly it should look like this:



The next step is to download the media settings. You can do this by clicking Media Settings in Epson Edge Dashboard.

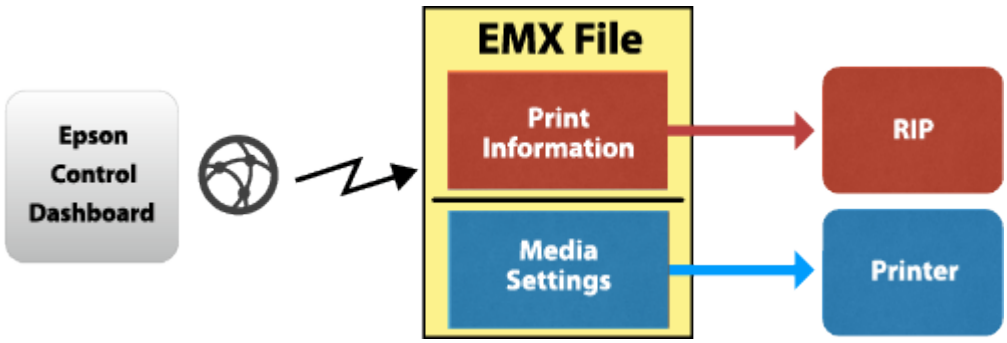


Once you have the media settings in the Source (Local Media Library), the next step is to send the data from the Source (Local Media Library) to the Target (the printer)

You can perform the following operations from this screen:

- Download print setting files (EMX files) provided by Epson
- Register media settings in the EMX file to the printer
- Edit parameters

For more detailed information, see the documentation provided by Epson.



After the media are registered in the printer, the system is ready to use with the FIERY RIP software.

Integration into Fiery XF

Media list from printer

To transfer the media list to Fiery XF, set up the output device in Fiery XF for the appropriate printer model, including the IP address. As soon as you save your settings, all the available media information and ICC profiles from the Target (printer) list are downloaded using Epson Edge Dashboard.

Next, Fiery XF creates EPL files for each media registered in the printer. This process can take some time and depends very much on your PC. Wait at least one minute before checking the media list. If the list does not appear, restart the Fiery XF server.

Media List from EMX file

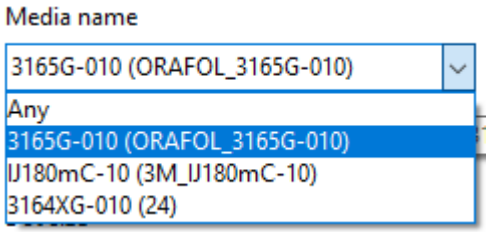
Alternatively, you can drop an EMX file into this folder:

C:\ProgramData\EFI\EFI XF\Server\Temp\EpsonEmxHotfolder

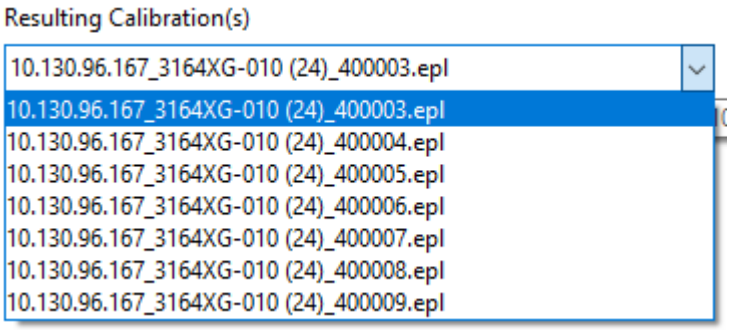
Like for the printer, media information and ICC files will be downloaded from the Dashboard and EPL files will be created.

This is useful if another Dashboard is already connected to the printer, but that Dashboard is not accessible. It works even without a Comm driver.

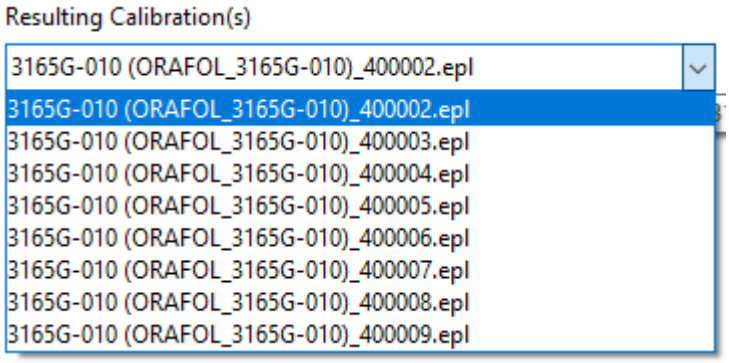
The screenshot below shows an example of how registered media types are displayed in Fiery XF:
The last entry is from Custom Paper Setting 24 of the printer. This number appears in the main screen on the



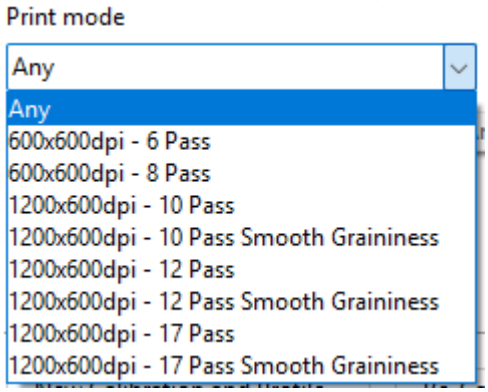
printer's control panel. The name is the same as shown on the printer's control panel media menu. The other entries are from EMX files. In that case the file name minus the initial "S91 "is shown in parentheses.
You can now select one of the downloaded, registered media. Depending on the selected media, multiple EPLs may be available. You can see if it is from the printer…



… or from an EMX file:



The Print mode list box shows the print modes by name:



Every EPL represents a different combination of printer resolution and print quality.

Note: There is no need to repeat the procedure for additional media downloaded through Epson Edge Dashboard. You just need to make sure that the downloaded media is registered properly at the Epson printer itself using Epson Edge Dashboard.

Printing

The User's guide asks you to choose the media setting number once you have loaded the media. In our example above it would be setting 24. This setting will be used. The Fiery XF driver will NOT change the media setting number of the printer.

Then choose a matching media type in Fiery XF:

- If you have registered the EMX on the printer, choose the media type which has the number in parentheses, e.g. "3164XG-010 (24)"
- If you have just the EMX file, choose the media type which should be most close to what is on the printer, e.g. "3165G-010 (ORAFOL_3165G-010)"

Supported Options

- **Text Sharpness**: Mode for sharpening the edges of text and images, which is particularly effective when printing small white letters on a black background.
- **White Layer Control**: Automatically assigns the input white image to the most suitable layer and prints it.

FAQ

Question	Answer
Can I use Fiery XF without Epson Edge Dashboard	Not entirely. Epson Edge Dashboard must be either installed on the same computer or accessible in the same network (exactly one installation)
Can I use EMX files	Yes of course
Can I take a generated EPL and create my own ICC profile?	Yes.
Can I create an EPL in Color Tools and create my own ICC profile?	Yes.
If the media setting on the printer was created only at the printer (using Easy Media Setup), not by Dashboard: Can I create an EPL in Color Tools and create my own ICC profile?	Yes.
Can I take my calibration sets to another Fiery XF?	Not directly. Export the EMX file and media settings and register those on the other printer. Then you will get calibration sets with same content and have your settings on the printer. Once that is established, you can also use calibration sets you created yourself.

Media types

The following sections list all the available media types per printer model.

Note: The EPLs created from the files downloaded through Epson Edge Dashboard do not always support all the combinations listed below.

EPSON SureColor S9100

Supported Resolutions and Print Modes:

Media Name	Quality Name	Rip Resolution	Print Resolution
4000 (Adhesive Vinyl)	600x600dpi - 4 Pass	300 x 300 600 x 600	600*600
	600x600dpi - 6 Pass		600*600
	600x600dpi - 8 Pass		600*600
	1200x600dpi - 10 Pass		1200*600
	1200x600dpi - 10 Pass Smooth Graininess		1200*600
	1200x600dpi - 12 Pass		1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600

	600x600dpi - 8 Pass Wh	300 x 300 600 x 600 - -	600*600
	1200x600dpi - 12 Pass Wh		1200*600
	1200x600dpi - 12 Pass Smooth Graininess Wh		1200*600
	1200x600dpi - 17 Pass Wh		1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pass Wh_2L	300 x 300 600 x 600	1200*600
4005 (Banner)	300x300dpi - 1 Pass	300 x 300	300*300
	300x600dpi - 2 Pass	300 x 300	300*600
	600x600dpi - 4 Pass High Speed	300 x 300 600 x 600	600*600
	600x600dpi - 4 Pass		600*600
	600x600dpi - 5 Pass		600*600
	600x600dpi - 6 Pass		600*600
	600x600dpi - 8 Pass		600*600
	1200x600dpi - 10 Pass	-	1200*600
4011 (Film Backlit)	600x600dpi - 8 Pass	300 x 300 600 x 600 - -	600*600
	1200x600dpi - 12 Pass		1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600
	1200x600dpi - 30 Pass		1200*600
	1200x600dpi - 30 Pass Smooth Graininess		1200*600
	1200x1200dpi - 47 Pass		1200*1200
	600x600dpi - 8 Pass Wh	300 x 300 600 x 600 - -	600*600
	1200x600dpi - 12 Pass Wh		1200*600
	1200x600dpi - 12 Pass Smooth Graininess Wh		1200*600
	1200x600dpi - 17 Pass Wh		1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	1200x600dpi - 30 Pass Wh		1200*600
	1200x600dpi - 30 Pass Smooth Graininess Wh		1200*600
	1200x1200dpi - 47 Pass Wh		1200*1200
4012 (Film Frontlit)	600x600dpi - 8 Pass	300 x 300 600 x 600 - -	600*600
	1200x600dpi - 12 Pass		1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600
	1200x600dpi - 30 Pass		1200*600
	1200x600dpi - 30 Pass Smooth Graininess		1200*600
	1200x1200dpi - 47 Pass		1200*1200
	600x600dpi - 8 Pass Wh	300 x 300 600 x 600	600*600
	1200x600dpi - 12 Pass Wh		1200*600

	1200x600dpi - 12 Pass Smooth Graininess Wh	-	1200*600
	1200x600dpi - 17 Pass Wh	-	1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	1200x600dpi - 30 Pass Wh		1200*600
	1200x600dpi - 30 Pass Smooth Graininess Wh		1200*600
	1200x1200dpi - 47 Pass Wh		1200*1200
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pass Wh_2L		1200*600
	1200x1200dpi - 47 Pass Wh_2L		1200*1200
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pass Wh_2L		1200*600
	1200x1200dpi - 47 Pass Wh_2L		1200*1200
	600x600dpi - 27 Pass Wh_3L	300 x 300 600 x 600	600*600
	1200x600dpi - 46 Pass Wh_3L		1200*600
	1200x1200dpi - 75 Pass Wh_3L		1200*1200
3003 (Canvas)	600x600dpi - 4 Pass	300 x 300 600 x 600	600*600
	600x600dpi - 6 Pass		600*600
	600x600dpi - 8 Pass		600*600
	1200x600dpi - 10 Pass		1200*600
	1200x600dpi - 10 Pass Smooth Graininess	-	1200*600
	1200x600dpi - 12 Pass	-	1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600
	600x600dpi - 8 Pass Wh	300 x 300 600 x 600	600*600
	1200x600dpi - 12 Pass Wh		1200*600
	1200x600dpi - 12 Pass Smooth Graininess Wh	-	1200*600
	1200x600dpi - 17 Pass Wh	-	1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pass Wh_2L		1200*600
3004 (Textile)	600x600dpi - 4 Pass	300 x 300 600 x 600	600*600
	600x600dpi - 6 Pass		600*600
	600x600dpi - 8 Pass		600*600
	1200x600dpi - 10 Pass		1200*600
	1200x600dpi - 10 Pass Smooth Graininess	-	1200*600
	1200x600dpi - 12 Pass	-	1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600
	600x600dpi - 8 Pass Wh	300 x 300	600*600

	1200x600dpi - 12 Pass Wh	600 x 600	1200*600
	1200x600dpi - 12 Pass Smooth Graininess Wh	-	1200*600
	1200x600dpi - 17 Pass Wh	-	1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pass Wh_2L		1200*600
6011 (Paper/Others)	600x600dpi - 4 Pass	300 x 300 600 x 600	600*600
	600x600dpi - 6 Pass		600*600
	600x600dpi - 8 Pass		600*600
	1200x600dpi - 10 Pass		1200*600
	1200x600dpi - 10 Pass Smooth Graininess	-	1200*600
	1200x600dpi - 12 Pass	-	1200*600
	1200x600dpi - 12 Pass Smooth Graininess		1200*600
	1200x600dpi - 17 Pass		1200*600
	1200x600dpi - 17 Pass Smooth Graininess		1200*600
	1200x1200dpi - 64 Pass(*2)		1200*1200
	600x600dpi - 8 Pass Wh	300 x 300 600 x 600	600*600
	1200x600dpi - 12 Pass Wh		1200*600
	1200x600dpi - 12 Pass Smooth Graininess Wh	-	1200*600
	1200x600dpi - 17 Pass Wh	-	1200*600
	1200x600dpi - 17 Pass Smooth Graininess Wh		1200*600
	1200x1200dpi - 64 Pass Wh(*2)		1200*1200
	600x600dpi - 18 Pass Wh_2L	300 x 300 600 x 600	600*600
	1200x600dpi - 30 Pas		1200*600

Note: *White Print modes are available only for EPSON SC-S91X0 (White) CT and Print mode for 3Layer printing are not supported.

1 layer print

Ink	Print Resolution (HxV) dpi	Print Mode Name ("SG" stands for Smooth Graininess. You may use the full notation.)	Media (✓: default print mode)		
			Adhesive Vinyl / Canvas / Textile / Paper / Others	Banner	Film
Color	300x300	300x300dpi - 1 Pass		✓	
	300x600	300x600dpi - 2 Pass		✓	
	600x600	600x600dpi - 4 Pass High Speed		✓	
		600x600dpi - 4 Pass	✓	✓	
		600x600dpi - 5 Pass		✓	
		600x600dpi - 6 Pass	✓	✓	
		600x600dpi - 8 Pass	✓	✓	✓
	1200x600	1200x600dpi - 10 Pass	✓	✓	
		1200x600dpi - 12 Pass	✓		✓
		1200x600dpi - 12 Pass SG	✓		✓
		1200x600dpi - 17 Pass	✓		✓
		1200x600dpi - 17 Pass SG	✓		✓
		1200x600dpi - 30 Pass			✓
		1200x600dpi - 30 Pass SG			✓
	1200x1200	1200x1200dpi - 47 Pass			✓
		1200x1200dpi - 64 Pass	✓		
Color + White	600x600	600x600dpi - 8 Pass Wh	✓		✓
	1200x600	1200x600dpi - 12 Pass Wh	✓		✓
		1200x600dpi - 12 Pass SG Wh	✓		✓
		1200x600dpi - 17 Pass Wh	✓		✓
		1200x600dpi - 17 Pass SG Wh	✓		✓
		1200x600dpi - 30 Pass Wh			✓
		1200x600dpi - 30 Pass SG Wh			✓
	1200x1200	1200x1200dpi - 47 Pass Wh			✓
		1200x1200dpi - 64 Pass Wh	✓		

2 layers print

Ink	Print Resolution (HxV) dpi	Dot Size ESC (e	Print mode ESC (m	Print Mode Name	Media (✓: default print mode) Adhesive Vinyl / Canvas / Textile / Paper / Others	Banner	Film
White -> Color	600x600	VSD1 (0x11)	0x3521	600x600dpi - 18 Pass Wh_2L	✓		✓
	1200x600	VSD1 (0x11)	0x5521	1200x600dpi - 30 Pass Wh_2L	✓		✓
	1200x1200	VSD1 (0x11)	0x5721	1200x1200dpi - 47 Pass Wh_2L			✓
Color -> White	600x600	VSD1 (0x11)	0x3522	600x600dpi - 18 Pass Wh_2L			✓
	1200x600	VSD1 (0x11)	0x5522	1200x600dpi - 30 Pass Wh_2L			✓
	1200x1200	VSD1 (0x11)	0x5722	1200x1200dpi - 47 Pass Wh_2L			✓

3 layers print*

Ink	Print Resolution (HxV) dpi	Dot Size ESC (e	Print mode ESC (m	Print Mode Name	Media (✓: default print mode) Adhesive Vinyl / Canvas / Textile / Paper / Others	Banner	Film
Color -> White -> Color	600x600	VSD1 (0x11)	0x3531	600x600dpi - 27 Pass Wh_3L			✓
	1200x600	VSD1 (0x11)	0x5531	1200x600dpi - 46 Pass Wh_3L			✓
	1200x1200	VSD1 (0x11)	0x5731	1200x1200dpi - 75 Pass Wh_3L			✓

Note *: Three layers print mode is not supported by the printer for North, Central and South America.

Note:

- White->Color in the above table corresponds to “Color on White” option in Fiery XF
- Color->White in the above table corresponds to “White on Color” option in Fiery XF

Change History

Version	Date	Description	Updated by	Affected XF Versions
v1.0	11-Apr-25	First version	Nikhil Agarwal	Fiery XF 8.0.6
v1.1	11-July-25	Updated	Nikhil Agarwal	Fiery XF 8.0.6
v1.2	08-Aug-25	Added 3 Layer print modes	Vachan KC	Fiery XF 8.0.6