Color-Logic within HDP Quick Start

In the latest version of Harlequin Direct Print we are now able to offer the facility to produce Metallic colour effects on Metallic substrates. This is achieved by utilising the Color-Logic software when creating files and using the White channel option within the OKI Pro Series 9542 device.

The way this is achieved is that the software creates a specific CL 4713 Silver Spot Colour within your artwork that filters the Metallic effect of the board in conjunction with the CMYK colours, thus allowing a Metallic effect to be applied to the sections of the file that require it.

This tutorial will demonstrate how to print a PDF file using Color Logic in a single pass on your OKI Pro Series 9542 device.
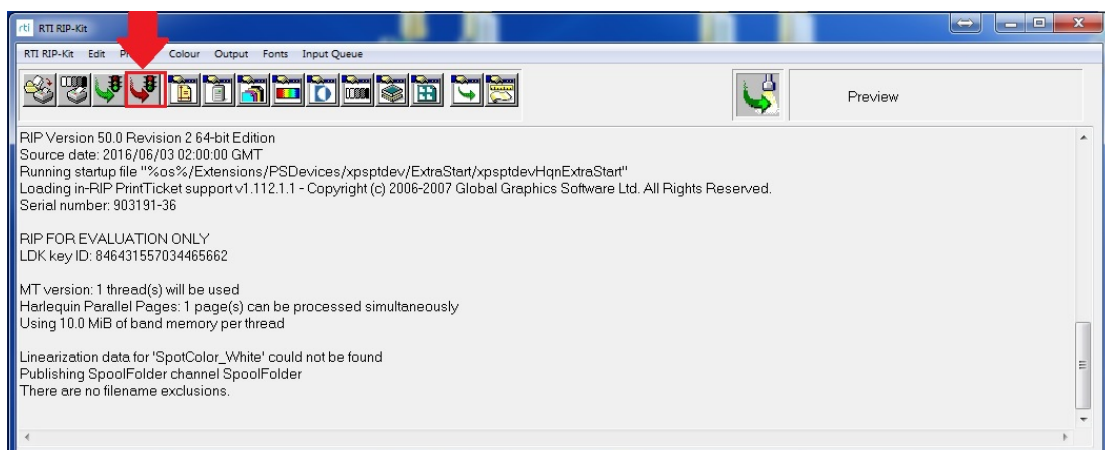
Step 1

Firstly, you need to add the Color-Logic feature to the RIP, on the RIP DVD supplied, you will find a find a file called Color-Logic.

1) Close the RIP down and copy this file and add it to the Page Features folder which can be found in the root folder of the RIP, usually found at C:\HDP_ODARTI_17r0\SW\Page Features
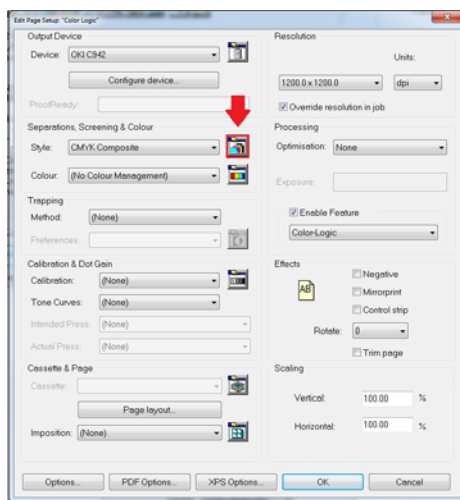2) Restart the RIP

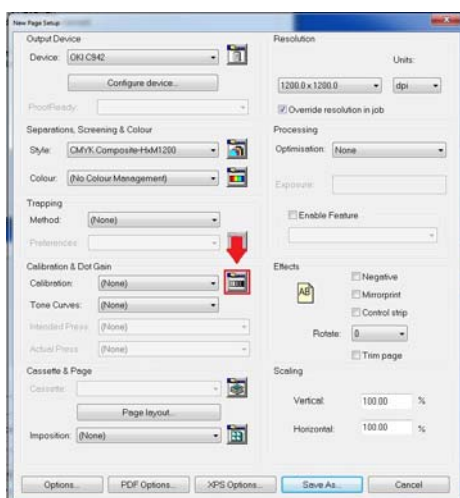## Step 2

You now need to create a Page Set-up for Color Logic.

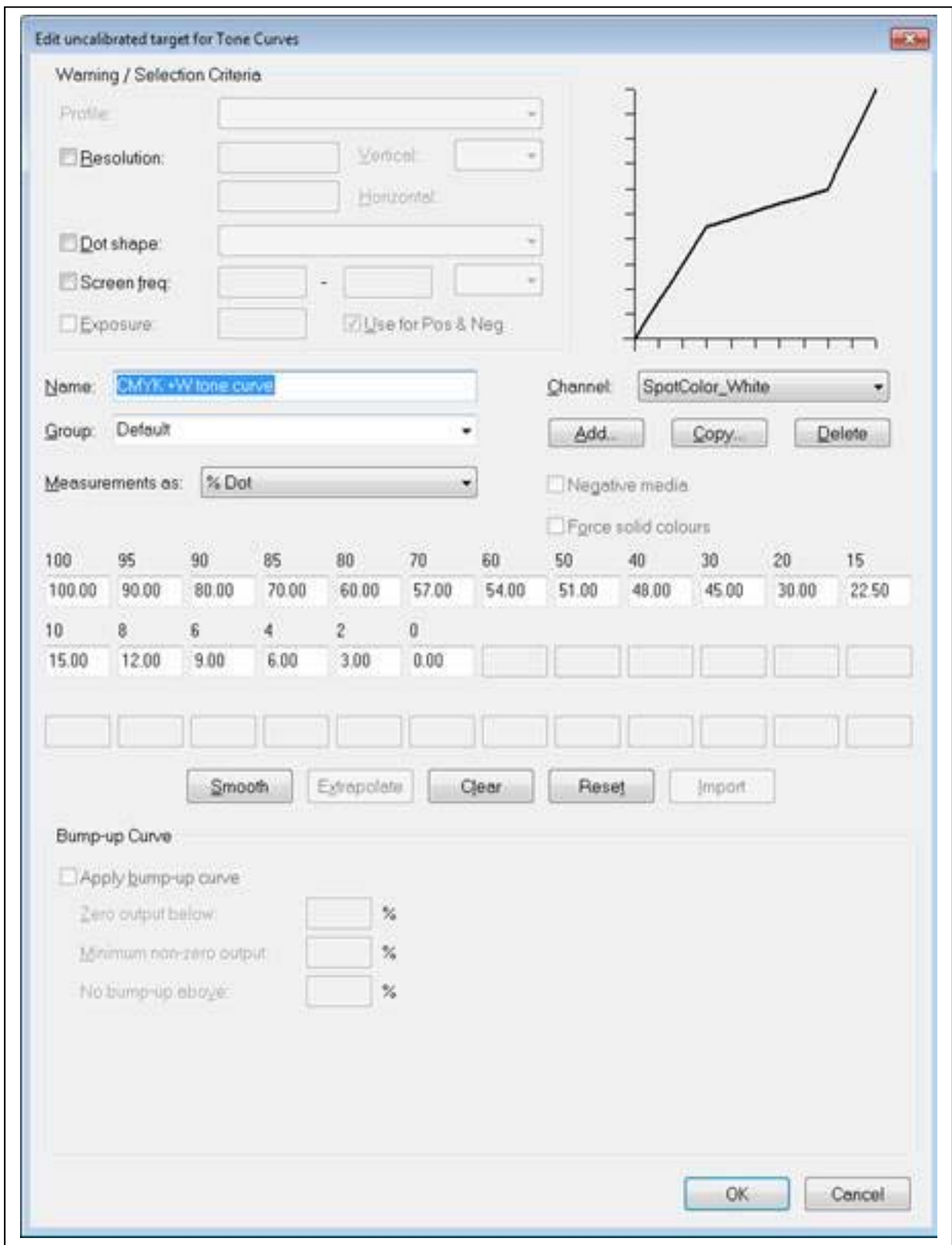1) Stop the RIP from running by clicking on the Red Traffic light arrow within the RIP console

2) Select the Page-Set up Manager from the RTI-RIP Kit drop down Menu, click New, you now
    have to select the device you wish to print to.
3) Click the Device drop down Menu and select your chosen device
4) You now need to ensure that you are outputting to the correct device
5) Click Configure Device, in the Output to Menu, please select your chosen device
6) Next you will have to make your own specific selections from the drop down menus below
    dependent on the Media size, Media Tray, Media Type, Feed edge etc.
7) Important: You must Ensure that the Spot Colour Usage Method is selected as "Use Spot
    Colour in job"
8) Click OK
9) From the Separations, Screening and Color section, click on the Style icon

10) Select CMYK Composite-HxM1200
11) Click Edit
12) In the Separations section click New
13) Edit the selected row and name it "Color Logic White"
14) Click OK and then OK Again
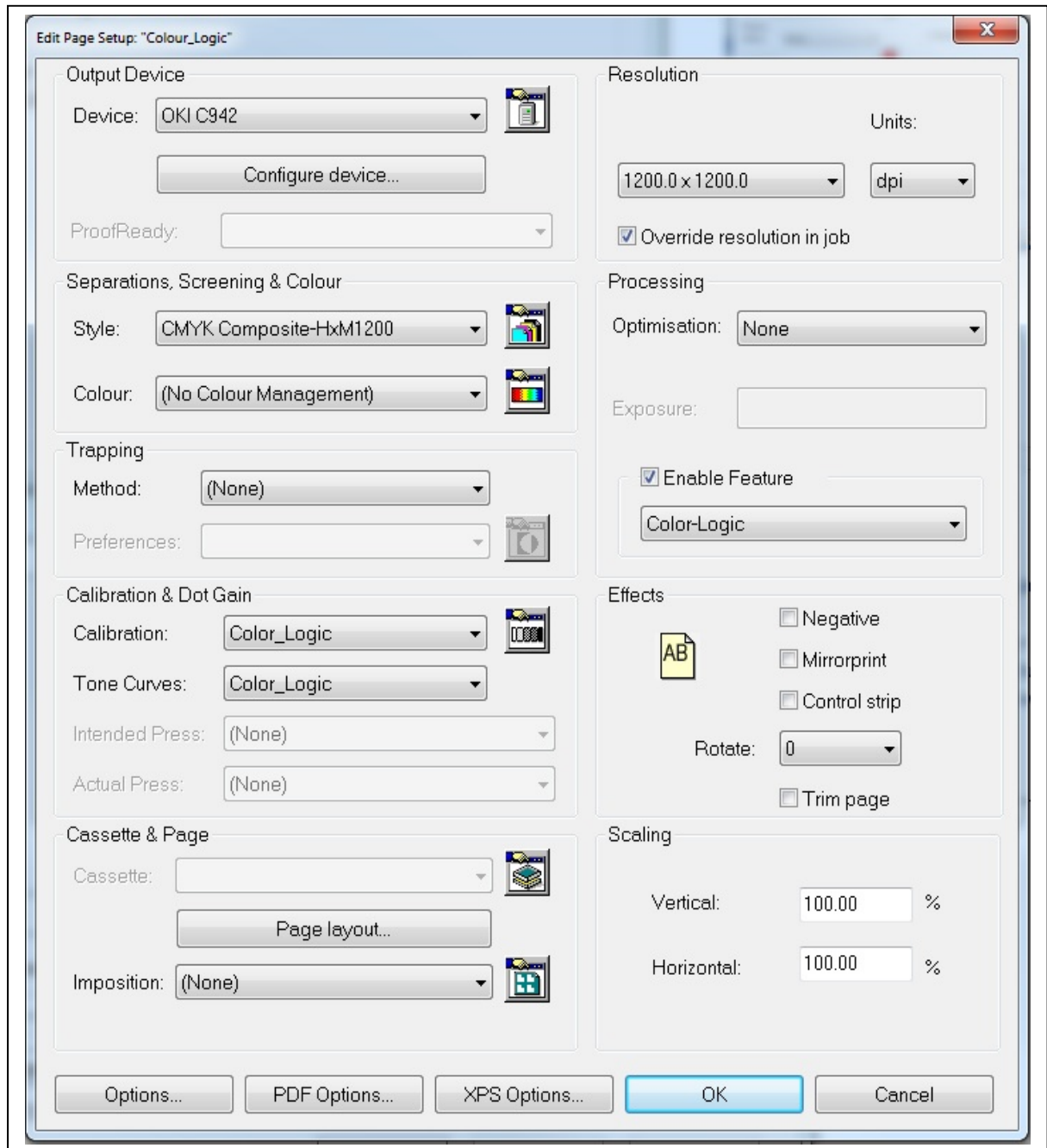15) From the Calibration & Dot Gain section click on the icon next to Calibration

16) Ensure your device is the correct one selected in the Device drop down menu
17) Click New
18) Name your Calibration Target "Color_Logic"
19) From the Profile drop-down Menu select "c942 HxM Cougar 1200 Gray_v1"
20) Click OK
21) Change the Device to Tone Curves and Click New
22) Name the target Color_Logic
23) Click Add and select Color Logic White
24) Amend the values in the boxes to that in the Image below

Edit uncalibrated target for Tone Curves

Warning / Selection Criteria

Profile:

☐ Resolution: _____ Vertical: _____

_____ Horizontal: _____

☐ Dot shape: _____

☐ Screen freq: _____ - _____ _____

☐ Exposure _____ ☑ Use for Pos & Neg

Name: CMYK +W tone curve   Channel: SpotColor_White

Group: Default   [Add...] [Copy...] [Delete]

Measurements as: % Dot   ☐ Negative media

☐ Force solid colours

100	95	90	85	80	70	60	50	40	30	20	15
100.00	90.00	80.00	70.00	60.00	57.00	54.00	51.00	48.00	45.00	30.00	22.50

10	8	6	4	2	0						
15.00	12.00	9.00	6.00	3.00	0.00						

[Smooth] [Extrapolate] [Clear] [Reset] [Import]

Bump-up Curve

☐ Apply bump-up curve

Zero output below: _____ %

Minimum non-zero output _____ %

No bump-up above: _____ %

[OK] [Cancel]

25)   Click OK (Ignore the message regarding the other channels)

26)   Click OK again

27)   Select Color_Logic from both the Tone Curves and Calibration drop down menus

28)   Check the Tick box titles Enable Feature

29)   Select Color-Logic from the Drop Down Menu
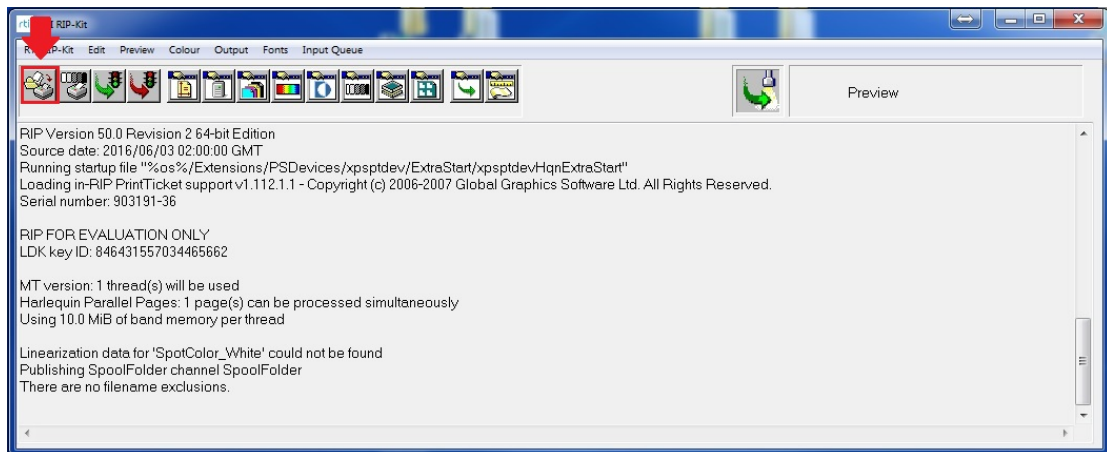
Your Page Set-up should look like this:

30)   Click Save As and title the Page Set-up Colour_Logic

31)   Click OK

You are now ready to print a Color-Logic file

Step 3

1) Ensure you have the Metallic Substrate loaded into the device as per the details you had input earlier
2) Click the "Print" button from within the RIP

3) Select the Color Logic PDF file you wish to print
4) Select the Color_Logic Page Set up from the Page setup drop down menu
5) Click Print