



# How to create a Destination Profile

## GX Print Server for Iridesse Production Press

Version 1.0



# Overview

This exercise will demonstrate the ability to create a custom destination colour profile (similar to an ICC profile) using the GX Print Server. Once the profile has been created, this exercise will also demonstrate the way to select the destination profile in the GX Print Server's Job Properties.

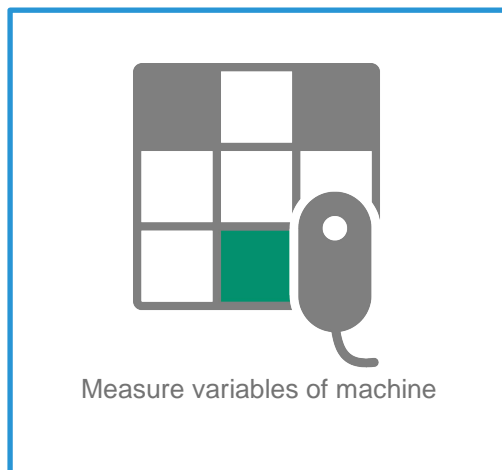
This feature allows users to create a specific destination profile in order to characterise the variables observed when using various printing substrates (i.e white point, thickness, matt vs. gloss etc). The ability to complete this task on the GX Print Server helps operators achieve more accurate colour reproduction on the final printed output.

Note: This exercise assumes that the machine has been printing (warmed up = either performed a calibration or ran a job). If this is not the case please run a non colour critical job before completing the task of creating a colour profile.

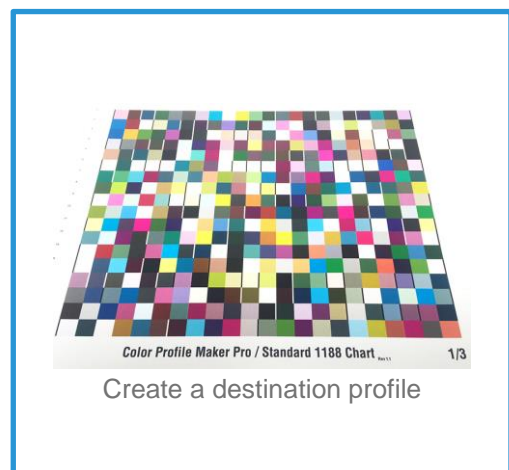
## Objective

- Find the location of the setting on the GX Print Server
- Print a color chart
- Measure a colour chart
- Create a destination profile
- Select a destination profile in Job Properties

### BEFORE

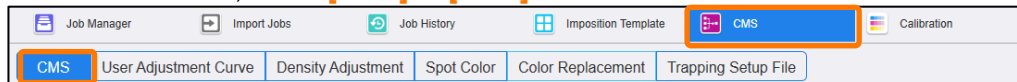


### AFTER



# Create Destination Profile

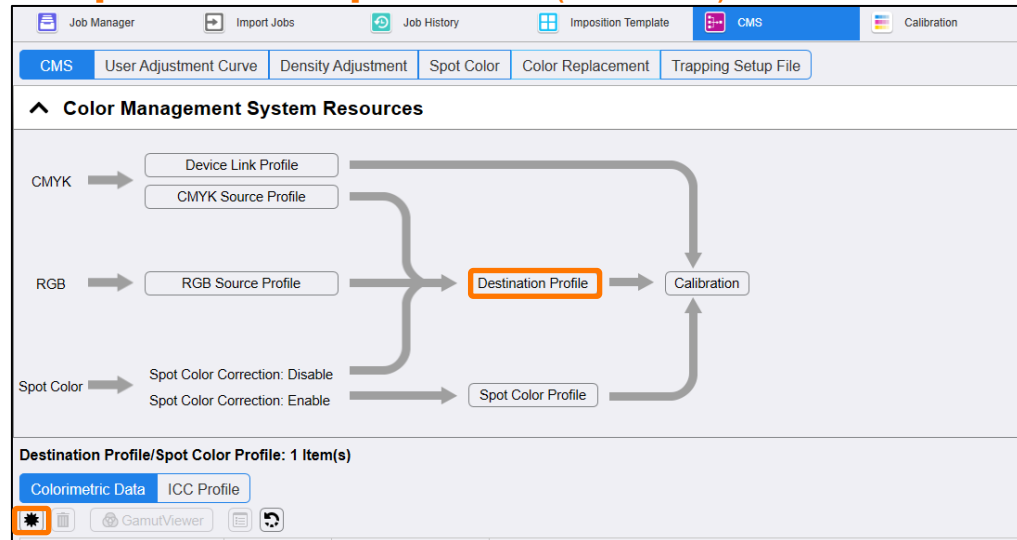
1. In the shortcut area, select **[CMS]** > **[CMS]**



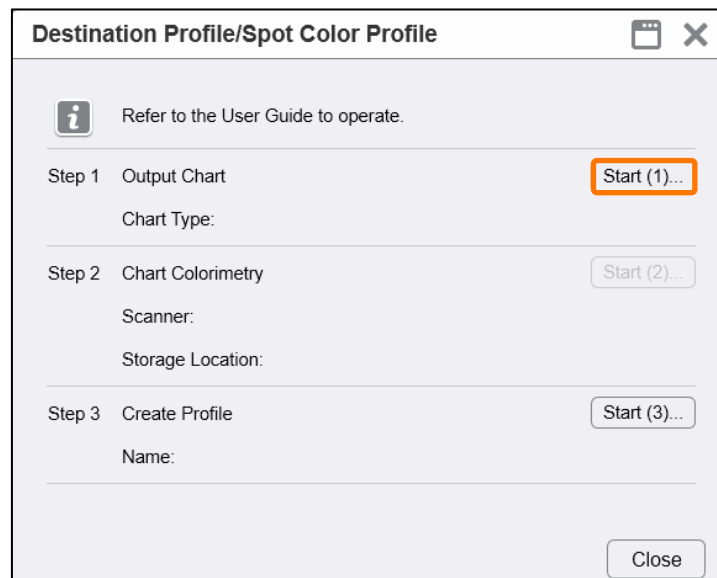
Note: The [CMS] shortcut may need to be added by accessing the following button



2. Select **[Destination Profile]** > click the  **(Create New)** button.



3. Click **[Start(1)]**.



Please note: In the following step there will be a choice of selecting several colour charts.

- CPMP\_Standard\_i1
- CPMP\_Full\_i1

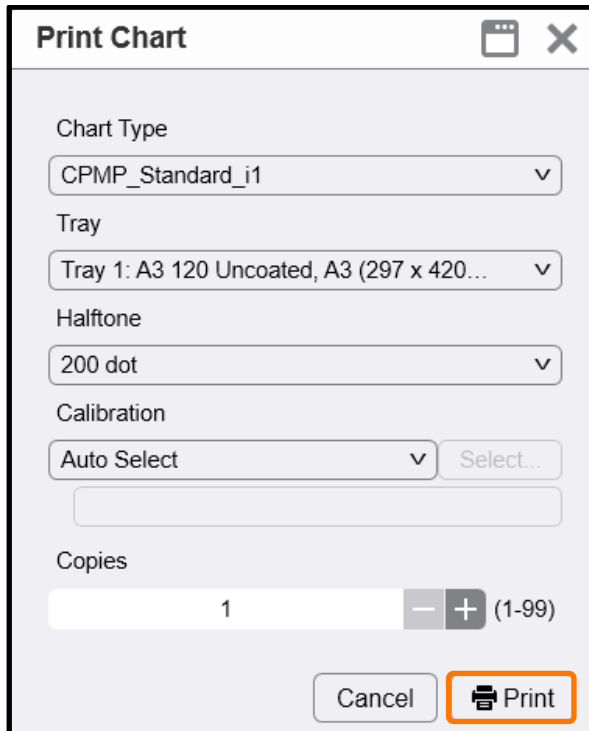
CPMP\_Full\_i1 has more color patches than CPMP\_Standard\_i1.

Therefore if a more accurate result is preferred, please use CPMP\_Full\_i1.

There will also be other settings to choose. Please make your decisions based on the media, halftone and calibration that you require.

4. Select [Chart Types], [Paper Tray], [Halftone] and [Calibration]. Click **[Print]**.

Note: This step assumes that the machine has been printing (warmed up = either performed a calibration or ran a job). If this is not the case please run a non colour critical job before completing the task of creating a colour profile.



Please check the quality of the output color charts to ensure that no print engine image quality artifacts are on the printed output. This is to ensure that the best colorimetric data can be captured during the next step.

5. Place the printed chart into the X-Rite Calibration “Backup Board”. Put five or more blank sheets of the same paper as the colour chart under the chart (to prevent show-through).



**Figure 1:** Calibration “Backup Board” used for A4 paper.

6. Connect i1Pro 2 spectrometer to GX Print Server.



Ensure that the i1Pro 2 Spectrophotometer is connected via USB to the GX Print Server



**Figure 2:** Connect USB port on the front of the GX Print Server.



**Figure 3:** Connect other end to USB port on Spectrophotometer.

7. Click **[Start(2)]**.

Destination Profile/Spot Color Profile

i

Refer to the User Guide to operate.

Step 1

Output Chart

Chart Type: CPMP\_Standard\_i1

Start (1)...

Step 2

Chart Colorimetry

Scanner:

Storage Location:

Start (2)...

Step 3

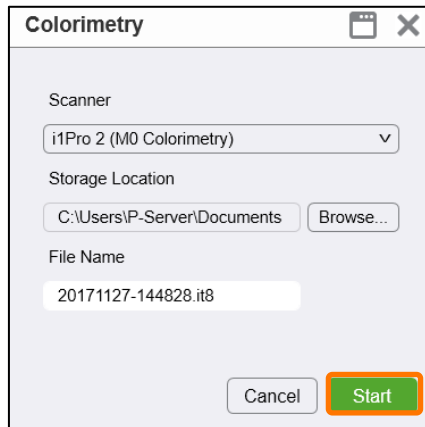
Create Profile

Name:

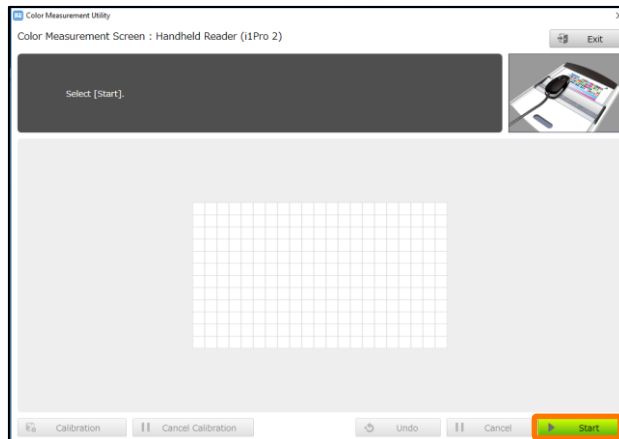
Start (3)...

Close

8. Select [i1 Pro2 (M0 Colorimetry)] in [Scanner], click [Browse...] to select the location where the measurement file to be saved, input a file name in [Name], then click **[Start]**.



9. The Color Measurement Utility will be launched automatically, then click **[Start]**.

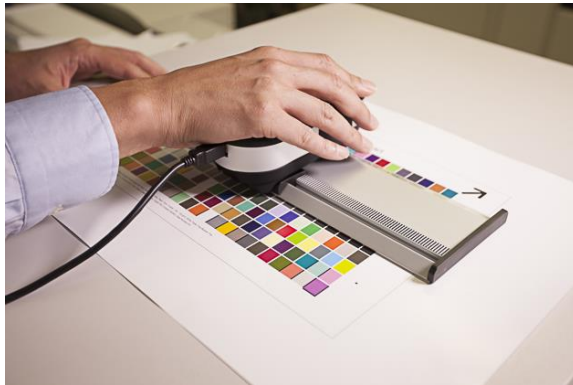


10. Follow the onscreen instructions, and place the i1Pro 2 into the "white reference plate" and press the buttons on the side of the unit to **calibrate the i1 Spectrophotometer**.



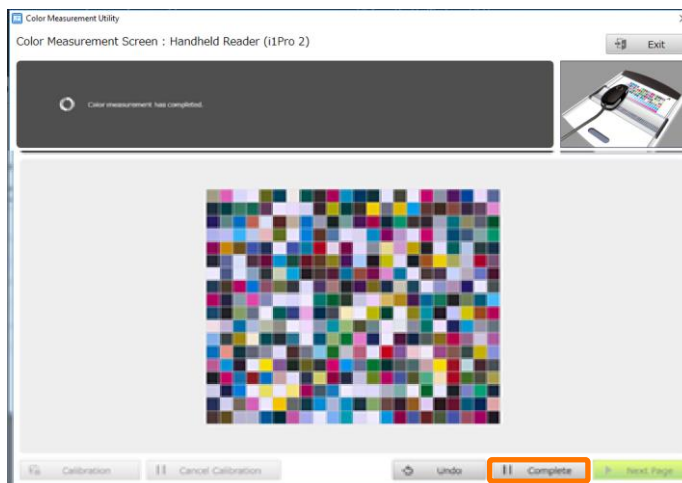
**Figure 4:** i1Pro 2 Spectrophotometer "White reference plate".

11. After the i1Pro 2 has been successfully calibrated, start measuring by pressing the buttons on the i1Pro 2 and slide the Spectrophotometer across the printed page.

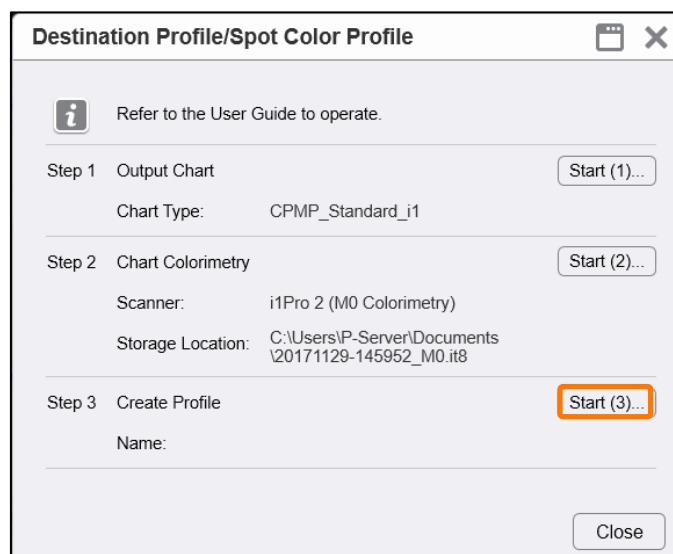


**Figure 5:** Don't need "Backup Board" for A3 or larger paper.

12. After measuring all the strips, the message "Color measurement has completed" will be displayed, and then click **[Complete]**.



13. Click **[Start(3)]**.





14. Input a profile name in **[Name]**, click **[Browse...]** to select the saved measurement file in Step 8 and click **[OK]**.

**Create Destination Profile/Spot Color Profile**

Name

Comments

Printer Characteristics Settings

File Name  **[Browse...]**

☐ Specify Pattern Data

Pattern Data

Profile Settings

RGB Source Profile sRGB

Destination Profile Quality Normal Mode 33 x 33 x 33

Printer Characteristics Iridesse Production Press Gloss... **[Advanced Settings...]**

Limit Total Dry Ink/Toner/Ink Amount

☒ Default

☐ Set Limit

Value    (200 - 240)

☐ Use Very Low Value

Limit Value

**[Cancel]** **[OK]**

15. Click **[Start]**, then the process of creating the destination profile will be started.

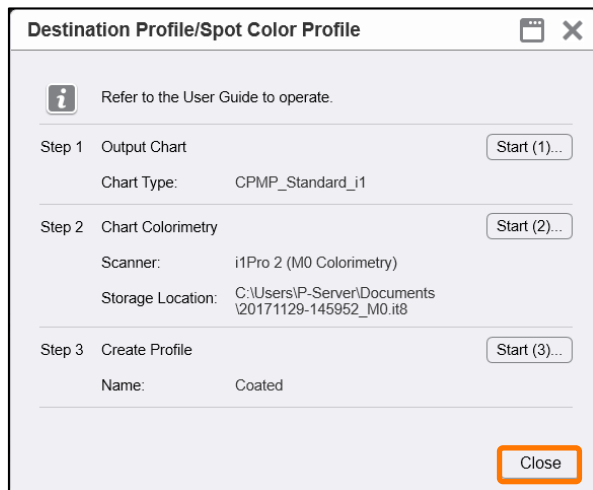
**Confirm Settings**

Create a color profile according to the following conditions:

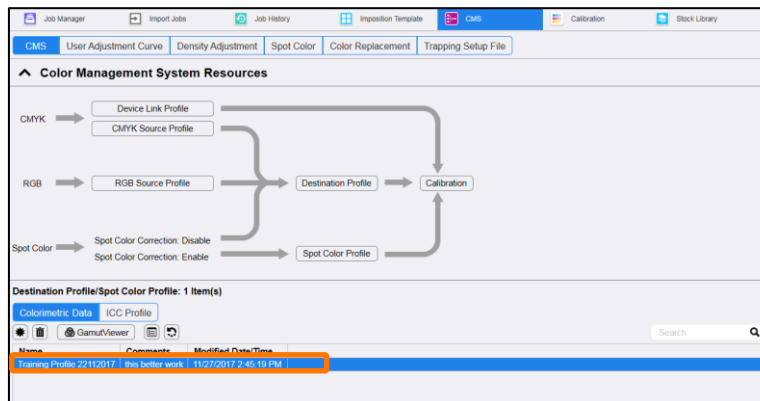
Item	Settings
[Printer Characteristics Settings]	
File Name	C:\Users\IP-Server\Documents\2
Specify Pattern Data	Disable
[Profile Settings]	
RGB Source Profile	sRGB
Destination Profile Quality	Normal Mode 33 x 33 x 33
Printer Characteristics	Iridesse Production Press Gloss
[Limit Total Dry Ink/Toner/Ink Amount]	
Limit Total Dry Ink/Toner/Ink Amount	Default

**[Cancel]** **[Start]**

16. Click **[Close]**.



17. The created destination profile is displayed.

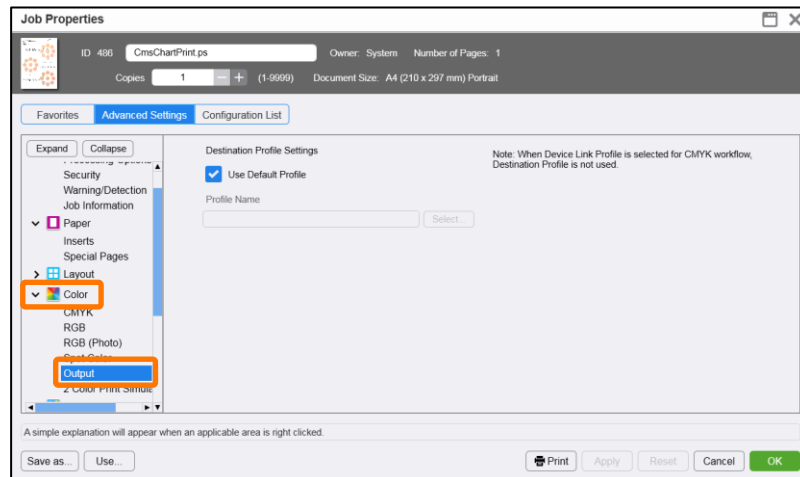


Congratulations you have now completed the process of creating a Destination Profile on the GX Print Server.

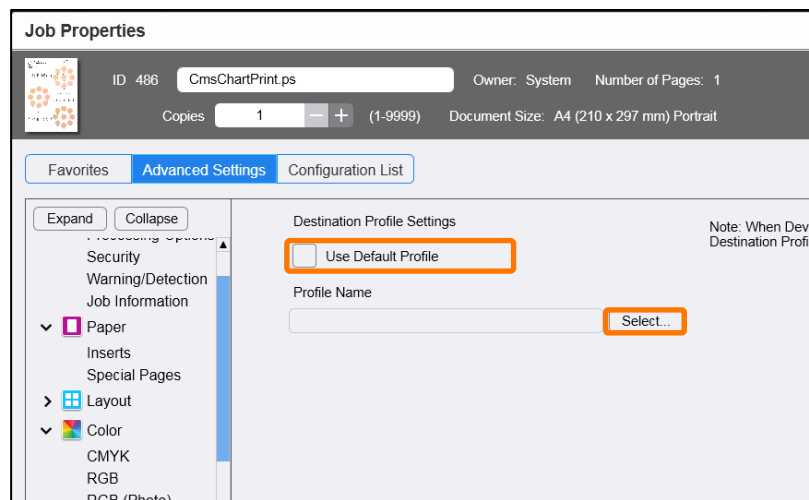
Please continue to the next exercise to learn how to select the destination profile in the Job Properties and apply it to your job.

# Select Destination Profile

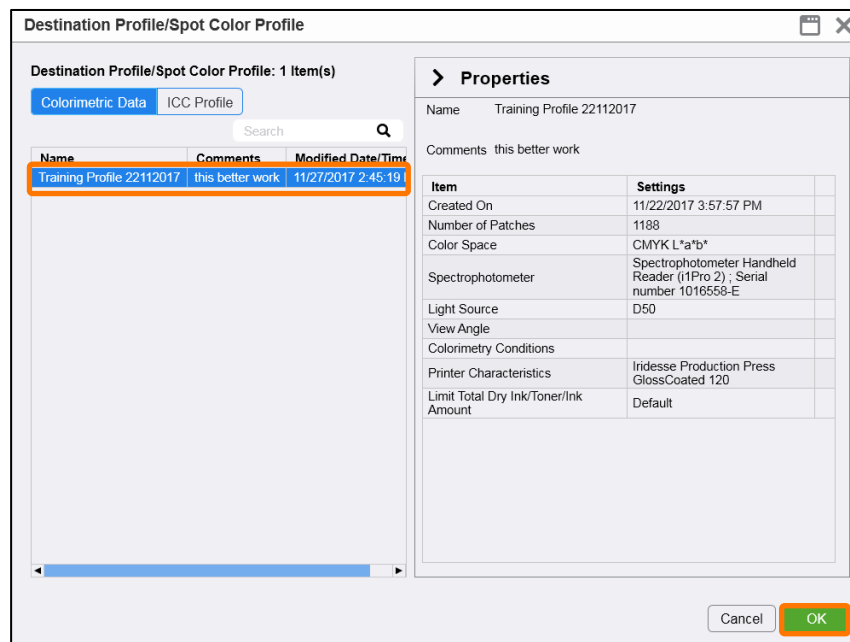
1. Double Click the required job in Job manager to display the Job Properties dialog
2. Select **[Color]** > **[Output]**.



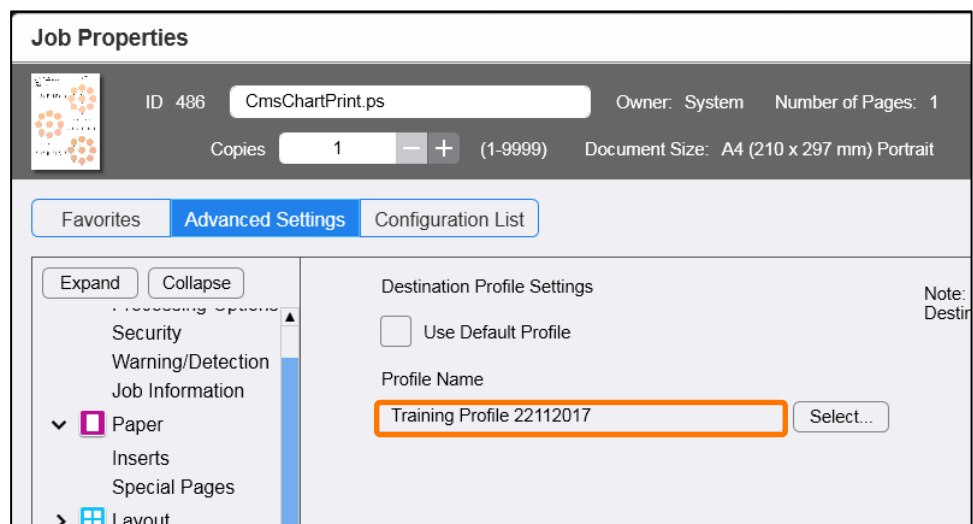
3. Uncheck **[Use Standard Profile]** and click **[Select...]**



4. Select the new Destination Profile and click **[OK]**.



The new destination profile that was created earlier in this exercise has now been added to the properties of your job. You may now proceed to submitting the job to print.



Congratulations you have now completed this exercise.