

# Activity 5: Use a print curve to match a legacy workflow calibration curve

## Background

If you are migrating from another workflow, such as Rampage, you may want to create a print calibration curve based on your legacy curve from Rampage.

This activity is to create a print calibration curve by entering the tint values from an existing curve.


## Contents


## Tasks

### Goal

Create a custom CMYK device condition using a set of tint value data and use it as the target for your print calibration curve.

### Task 1: Create a custom device condition




1. Click the **Device Conditions** tab.
2. Click the **Add** button .
3. In the **Device** dialog box, add a new device:
  - a. In the **Device Name** box, enter XX legacy device condition (where XX= your initials).
  - b. From the **Device Type** list, choose **Offset Press-Sheetfed**.
  - c. Click **Create**.
  - d. Drag the device you just created to the viewer window.
4. Click the **Properties** icon  and define the device condition:
  - a. From the **Plate Setup** list, choose **Kodak Electra Excel, 200, Offset Press Sheetfed**.
  - b. From the **Substrate** list, choose **Type 1 or 2 (coated art) 170 g/m2**.
  - c. In the **Other** section, click the **Edit** button .
  - d. Click the **Add** button  and enter Legacy Measurements.
  - e. Click **OK**.
5. Create a Tint Ramp chart:
  - a. Click the **Measurement** icon .
  - b. In the **Charts** section, click the **Add** button . A chart appears in the **Charts** list with a default name.
  - c. From the **Chart Type** list, choose **Tint Ramp**.
  - d. From the **Measurement Device** list, select **Other**.
  - e. In the **Tint Set** section, click the **Edit** button .



- f. Click the **Add** button  and enter 0 10 25 50 75 90 100.
  - g. Click **OK**.
  - h. Click **Save**.
6. Enter the measurement value:
  - a. Click **Measure**.  
In the dialog box that appeared, keep the default value and click **OK**.
  - b. Click **Enter manually**.
  - c. In the **Channels Binding** section, click **C, M, Y, K Same**.
7. In the **Tonal Response** section, enter the following EDA values:

Tint in	EDA
0	0
10	8
25	20
50	44
75	70
90	87
100	100

8. Click **OK** and close the **Device Measurements** dialog box.
9. In the **Device Condition** list table, find the device condition you just created and select the **Show in Target Lists** check box.

## Task 2: Create the print calibration curve

1. In ColorFlow, click the **Print Curves** tab.
2. In the **Calibration Curves** section, click the **Add** button .  
The **Device** dialog box appears.
3. Drag **XX legacy device condition** to the viewer window.
4. Click the **Properties** icon  and define the device condition:
  - a. From the **Plate Setup** list, choose **Kodak Electra Excel, 200, Offset Press Sheetfed**.
  - b. From the **Substrate** list, choose **Type 1 or 2 (coated art) 170 g/m2**.
  - c. Click **OK**.
5. Make a linear tonal response for your device:
  - a. Click the **Measurement** icon .

- b. In the **Charts** section, click the **Add** button . A chart appears in the **Charts** list with a default name.
  - c. From the **Chart Type** list, choose **Tint Ramp**.
  - d. From the **Measurement Device** list, select **Other**.
  - e. From the **Process Ink Set** list, choose **CMYK**.
  - f. Click **Save**.
  - g. Click **Measure**.
  - h. In the **Channel Binding** section, click **C, M, Y, K Same**.
  - i. Click **OK**.
6. Define the conversion target:
  - a. Click the **Conversion** icon .
  - b. Select the **Show curves in Prinergy** check box.
  - c. Click the **Process Inks** tab and choose the print condition that you just created from the **Target** list.
  - d. From the **Curves Method** list, choose **Tonal Match**.
  - e. Click **OK**.  
A print calibration curve is generated to match your legacy print calibration curve.
7. In the **Calibration Curves** table list, double-click the name of the curve that you just created and enter `XX legacy curve for tonal match` (where `xx=` your initials).

### Task 3: Output a job using the newly created print calibration curve

1. In Prinergy, create a new job, and name it as `XX legacy curve tonal match` (where `XX =` your initials).
2. Refine [Chart\\_TintRamp\\_CMYK.pdf](#) with 1stRef-Normz.
3. Output the PDF file using Virtual Proof.LoosePage with the print curve you just created:
  - a. In your **Virtual Proof.LoosePage** Process template dialog box, from the **Output To** list, choose **Virtual Proof**.
  - b. Leave **ColorFlow Color Relationship Management** unchecked.
  - c. Expand the **Calibration & Screening** panel.
  - d. Click the **ColorFlow Current State** radio button.
  - e. Expand the **Print Curve** drop down list and select curve **XX legacy curve tonal match**.
4. Open the generated page in VPS and measure the 10%, 50%, and 90% black patch.  
Confirm that the plate calibration curve has been applied:  
10% measures 8; 50% measures 44; 90% measures 86.6.

Outcome

You have created a print calibration curve based on your legacy curve from Rampage.