Activity 2: Use a transfer curve to control tonal response

Contents

Background

This feature allows users to manually create transfer curves by direct entry of **Tint In** and **Tint Out** values. It applies to transfer curves in the Print Curves tab.

This is useful when transitioning from another workflow and want to use legacy curve data in ColorFlow.

Tasks

Goal

Create a Transfer curve from a set of values.

Task 1:

Create a Transfer curve by direct entry of Tint In and Tint Out

1. In ColorFlow, click the **Print Curves** tab.
2. In the **Transfer Curves** section, click the **Add** button .
3. .In the **Device Conditions** dialog box, enter the following values:
   a. From the **Device Type** list, select **Any**.
   b. In the **Screening** section, click the **Edit** button .
   c. Click the **Add** button and enter `200L`.
   d. From the **Substrate** drop down list, select **Type 1 or 2 (coated art) 170 g/m2**.
4. In the **Curve Channels** section, in the **Process Inks** list, select **Separate channels for CMYK**.
5. In the **Curve definition** section, perform these actions:
   a. In the **Channel Selector**, select **Cyan.**
   b. In the **Curve Origin** list, select **Tint In/Out Points**.
   c. Click the **Tint Set** Tint Set... button.
   d. Click the **Add** button .
   e. Enter `10 25 50 75 90`.
   f. Enter the following **Tint Out** values:

Tint In	Tint Out
10	**8**
25	**23**

50	**47**
75	**72**
90	**87**

g. In the **Channel Selector**, select **Magenta** and enter the following **Tint Out** values:

Tint In	Tint Out
10	**7**
25	**22**
50	**46**
75	**71**
90	**87**

h. In the **Channel Selector**, select **Yellow** and enter the following **Tint Out** values:

Tint In	Tint Out
10	**7**
25	**23**
50	**47**
75	**73**
90	**88**

i. In the **Channel Selector**, select **Black** and enter the following **Tint Out** values:

Tint In	Tint Out
10	**8**
25	**23**
50	**48**
75	**72**
90	**87**

6. Click **Apply**.
   A print transfer curve is generated. It is named `200L, Type 1 or 2 (coated art) 170 g/m2; Curve`
7. Ensure that the **Show in Prinergy** check box is checked.

Task 2: Output a page using the print transfer curve in Prinergy

1. In Prinergy, create a new job, and name it `XX Print Transfer` (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 transfer 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. Select the **ColorFlow Current State** radio button.
   e. Expand the **Print Curve** drop down list and select curve `200L, Type 1 or 2 (coated art) 170 g/m2; Curve`.
4. Open the generated page in VPS and measure the 50% patch for each color.
   Confirm that the print transfer curve has been applied and that the 50% patches measure CMYK 47 46 47 48. (You can check other patches and confirm the vlues as well.)

Outcome

You have created a transfer curve to adjust tonal output to match target values from supplied data.