# Activity 11: Use a Color Setup to align a proofer with a press

### Background

Contents

In this activity, you will add a proofer to an existing Color Setup. In the Color Setup the **Primary Color Output (PCO)** is a press aligned to an industry specification.

The proofer becomes a **Secondary Color Output** (SCO).

The **SCO** will be aligned to the **PCO** using a **DeviceLink (DVL)**. With the application of this DVL, the SCO proofs will simulate the color print results of the offset press.

### Tasks

### Goal

Add an SCO—an inkjet proofer— to a color setup created in a previous activity that has a press defined as the PCO

## Task 1: Add an SCO to a color setup that already has a PCO defined

- 1. In ColorFlow, click on the **Color Setups** tab and select the color setup named **GRACoL C1 2006** in the **Color Setups** list on the left side.,
- If the **Devices** dialog box is not visible, double-click in the blank area of the viewing window under the PCO to make it appear.
- 3. Add a new Inkjet proofing device:
  - a. Tip open the **Add Device** panel if it is not already open.
  - b. From the **Device Type** list, select **Inkjet Proofer -Matchprint Inkjet**.
  - c. Name the device **Proofer A.**
  - d. Click the **Create** button
  - e. Drag **Proofer A** to the SCO area of the viewer window under the PCO.
- 4. Click the **Properties** icon **i** inside the SCO device condition.
- 5. Define new properties for the device condition:
  - a. In the **Resolution** list, add or select **1440x720**.
  - b. In the Substrate list, add or select SM240
  - c. Leave the other fields as the default values.
  - d. Click **OK**.
- 6. Click the **Measurements** icon Stocreate a new **Color Characterization Chart**:
  - a. In the **Charts** tab, click the **Add** button  $\textcircled{ extsf{theta}}$ .

- b. From the Measurable by: drop-down list, chose X-Rite i1iO
- c. From the Chart Type choose Full Color and Tonal.
- d. Leave all the other values as default.
- e. Double-click on the name of your new chart and rename it to CMYK Inkjet ilio.
- f. Click Save.
- 7. In a real-life situation, you would export the chart as a PDF, Refine the chart in Prinergy, output to a InkJet proofer and measure the chart in ColorFlow. For the purpose of this training, you just import a sample data file from the ColorFlow>SampleData folder:
  - a. Click the **Measurement** tab at the top of the Device Measurements panel.
  - **b.** Click the **Import...** button under the **Active Measurement** section at the top half.
  - c. In the dialog that appears, browser and select \
    Program
    Files\Kodak\ColorFlow\SampleData\Measurements\
    MatchprintInkjet.cgt .
  - d. Click Open.
  - e. When the **Color Response** has finished being generated, click **Close** to put the window away.
- 8. In the SCO InkJet Proofer tile, click the Device Condition profile icon it to generate an ICC profile for the device condition. When the dialog appears, leave all the values as

is and click **OK.** (It will take a few minutes to generate the ICC profile.)

### Task 2: Complete the color setup

- 1. Click the **Conversion** icon PCO and the SCO.
- 2. From the **DeviceLink Method** drop-down list, select **Full Reseparation**.
- **3.** From the **Rendering Intent** drop-down list, select **Absolute Colormetric**.
- 4. Leave all other settings as default.
- **5.** Click **OK**. It will take a minute to generate the DeviceLink, and the link indicator will turn green when completed.

### Task 3: Output using the DeviceLink in Prinergy

- 1. In Prinergy, create a new job, and name it as XX Press to Proofer DVL (where XX = your initials).
- 2. Refine GrayBalanceTestFile.pdf with 1stRef-Normz.
- 3. Create a new Loose Page Output Process Template, and name it Press to Proofer DVL GRACoL 2006
  - a. In the Output To list, select Virtual Proof.

- b. Select the ColorFlow Color Relationship Management check box.
- c. Check the Allow unassigned color setup or color setup mismatch checkbox.
- d. For Halftone Output Mode, select Print Production
- e. In the Snapshot list, select Current State.
- f. In the Color Setup list select GRACoL C1 2006
- **g.** For **Device**, check the **Show all print devices** checkbox. When you do this, all SCO profiles become visible in the Print Device list.
- **h.** Choose **Proofer A** from the devices list. The Device Condition will be automatically populated.
- i. Tip open the **ColorConvert** section and select the **Match Colors In Page Content** check box.
- **j.** Save the process template.
- **4.** Select the test refined file, and output it using the process template **Press to Proofer DVL GRACoL 2006.** If you look in the Prinergy processing information, you can see that that the DeviceLink profile is applied.

#### Outcome

You have created a color setup with a press PCO and Inkjet proofer SCO and applied a DeviceLink that aligns the proofing device with a press printing to an industry specification.