

Defining device curves

When [characterizing the color response](#) for a curve-controlled device condition, if you output the ColorFlow chart in the Print Characterization mode in Prinergy, you must define device curves for the device.

Note: If you output the ColorFlow chart by selecting a print curve in the Process Template, you *do not* need to define device curves for the device.

For [pooled devices](#), the device curve that you define for the device becomes device curves for all pooled devices in the device condition.

1. In a device condition, click the **Device Curves** icon .
2. In the **Device Curves Definition** dialog box, in the **Curve Origin** area, select **Preset**.
3. Select one of the following options:
 - **Linear:** a linear curve does not change the color output of a device—no calibration is applied during output.
 - **15% Cutback:** a cutback curve can be used to compensate for the high [dot gain /TVI \(tonal value increase\)](#) of some screening methods. For example, you characterize a coldset web press that is printing on newsprint with Staccato 35.
 - **20% Cutback:** if you previously characterized a device response with the 20% Cutback curve, you can continue to use it. For new characterization of high-gain device conditions, we recommended you select the 15% Cutback curve.
 - A print transfer curve that [you created](#) or [a Harmony curve you imported](#) in the **Print Curves** tab.
 - If the device condition is for the Flexographic press device type, select a preset curve designed for printing with Kodak Flexcel NX plates.
4. If the device condition is for the Flexographic Press device type, [define bump and cutoff curve values](#).
5. To deliver device curves from the current state, select the **Use Current State for Approved Snapshot** check box. This lets you adjust and use device curves to reflect a change in press behavior, without needing to capture and approve a snapshot for production output.
6. To view the device curves you have defined, click **View Curves**.
7. Click **OK**.