

Heidelberg ColorAssistant Module

The factory default Characteristic Curves «**HEIDELBERG**» cannot be Deleted, Adjusted or Reset. We work as a PCS workflow so the Characteristic Curve will be the active selection in CP2000.

1. Loading data for the first job

Job Menu

Job Preparation

Load Job – Check the source is «Prepress Interface» and locate your job

OK – Accept with the green tick

Confirm Job

Color Allocation

Define Color

Characteristic Curve

Ink Presetting – You can select an alternative Characteristic Curve should you require to.

2. First job and going to OK

Adjust the inking to the required target density values till the **OK** status is reached.

- * Always make-ready and setup at the same printing speed
- * Maintain a constant ink fountain roller feed
- * Only optimize when the job sheet has a good colour balance

3. Optimizing the first job

- * The press will need to be in a stationary condition “green light”
- * You can only carryout one optimization per job, and only when the inking is **OK**

Ink, Dampening

Ink Profiles

Optimizing Ink Presetting

There are three choices provided by ColorAssistant if you are working with editable Characteristic Curves – **Adjust**, **New** and **Reset**.

4. Loading the follow on job

Load the job from «Prepress Interface» in the same way as before

Job Menu

Job Preparation

Load Job – Check the source is «Prepress Interface» and locate your job

OK – Accept with the green tick

Confirm Job

Check that the optimized Characterisation Curve has been allocated in **Define Color**. If steps 1 to 3 have been carried out correctly the Characteristic Curve should have been allocated automatically.

5. Preparing the follow on job

Adjust the inking of the follow on job in the same way as the first job sheet till the **OK** status is reached.

6. Optimizing the Characteristic Curve

Again when the press is in a stationary condition, and all inking is correct can optimization be done.

When using an editable characteristic curve ColorAssistant preselects **Adjust**.

The **Trend** shows a green arrow if any adjustment is required.

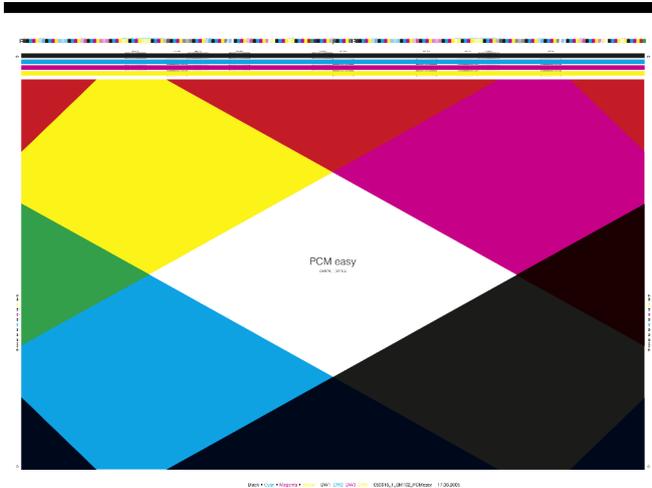
The more the Characteristic Curve is adjusted from job to job the better the presetting will be.

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Therefore a collection of curves could be established, utilised and shared between machines, if necessary. Some for everyday work on different paper stocks, or for specific customers and their job requirements.

Working Without The ColorAssistant Module

Print either the «PCM Easy» or «PCM Balance» test sheet.



Print the sheet as the ppf file with no adjustment to the ink keys, but with the press at a stable condition and speed.

From the best run sheet measure the ink density and compare it to your known or standard density weights, then using the formula...

$$\frac{\text{Target Density}}{\text{Actual Density}} \times \text{Current Diode Value} = \text{New Diode Value}$$

You can now set each diode in turn. This may be a long process but will mean that there is far less adjustment during make ready after loading the ppf file to the first OK sheet.

