

Profiling guidelines for profiling with third party software

This workshop is addressed to experienced users who are familiar to the procedure of profiling printmedia. This document describes some subjects regarding profiling with PosterJet. You should be familiar to the linearization procedure using the PosterJet MediaManager wizard.

Preparation for Hewlett-Packard Designjet large format printers

Settings on the printer's frontpanel:

For HP media the HP recommendation should be used. At the link www.designjet.hp.com you may obtain the latest HP media profiles.

For non-HP media choose a setting at the printers frontpanel that fits the media you wan't to profile as good as possible (e.g. for a canvas media choose Studio Canvas on the printer).

Preparation for Canon large format printers

Setting on the printer's front panel and in PosterJet when the new media is created:

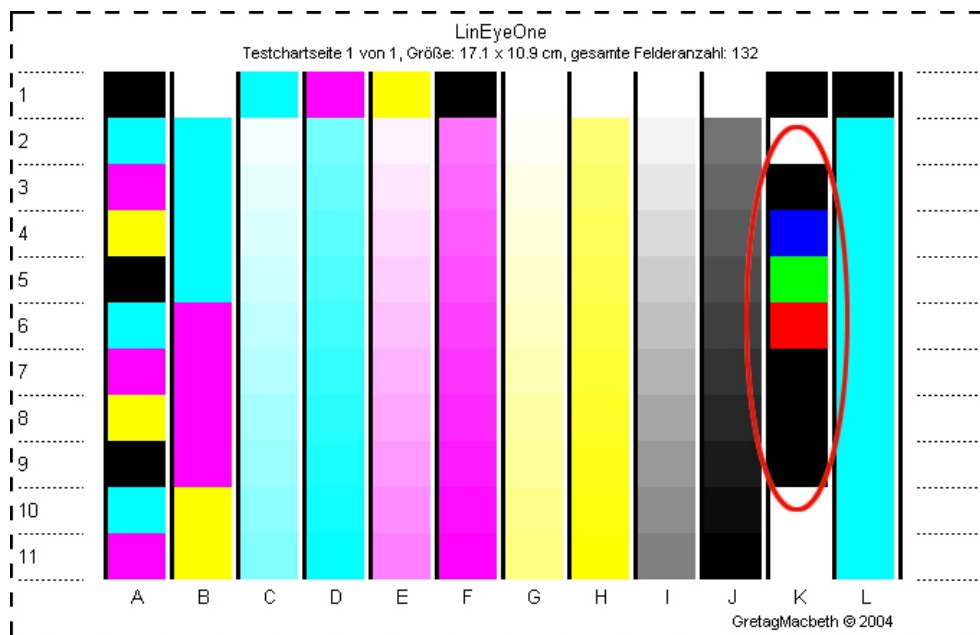
For Canon media use the recommendation from Canon's compatibility list (located on the [Canon website](#)).

For non-Canon media choose a setting at the printers frontpanel that fits the media you wan't to profile as good as possible (e.g. for a glossy photo paper choose Photo Glossy).

Print and measure linearization chart

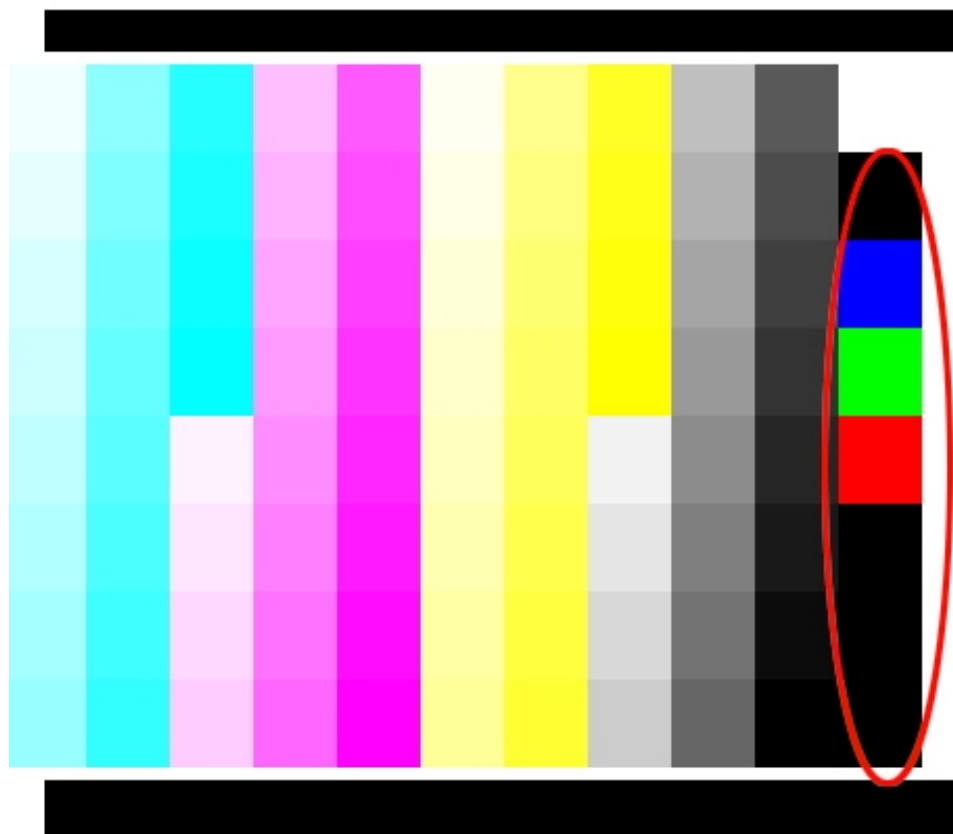
Print the respective linearization chart.

For the measuring device EyeOne the following CMYK testchart is used (the RGB mode requires another testchart):



For the measuring device ICColor the following CMYK testchart is used (the RGB mode requires

another testchart):



When all fields of the testchart are dry, please check if the testchart is measurable. The colorfields of the testchart should not flow into each other (Exception: the red marked fields may slightly flow into each other, because these fields are not involved in the linearization procedure).

If the above described requirements are fulfilled the testchart can now be measured.

If the colors on the testchart are extremely flown into each other or the testchart is not readable by the measuring device:

Change the front panel setting of the printer to a media type with a minor ink application. For example: If the ink amount on the paper at the setting for photo papers is to high, try a film media because this kind of media profile normally uses a slighter covering with ink.

If you are working on a Canon printer you must delete the newly created media to change the media type setting. Then you begin from the scratch with the profiling procedure with the new media type.

HP printers automatically apply the new setting on the printer's front panel. You don't have to delete the new media.

Print again the linearization chart and check if the above requirements are fulfilled now. If the testchart fulfills these requirements you may measure the testchart.

Linearization procedure

Read in the linearization chart with your measuring device and save the measuring data. In the dialog

InkLimit leave the values for the four channels C, M, Y, K at 100% and print the profiling chart afterwards. If the profiling chart is properly measurable, read in this profiling chart and proceed with the profil calculation.

If the testchart is not measurable, you must perform a separate linearization for every print mode in the MediaManager, load the saved values and reduce the InkLimit for C, M, Y in small steps (we recommend 5% steps). Afterwards you proceed with the linearization and print the profiling chart again.

You must repeat this procedure until the test chart is properly readable and measurable.

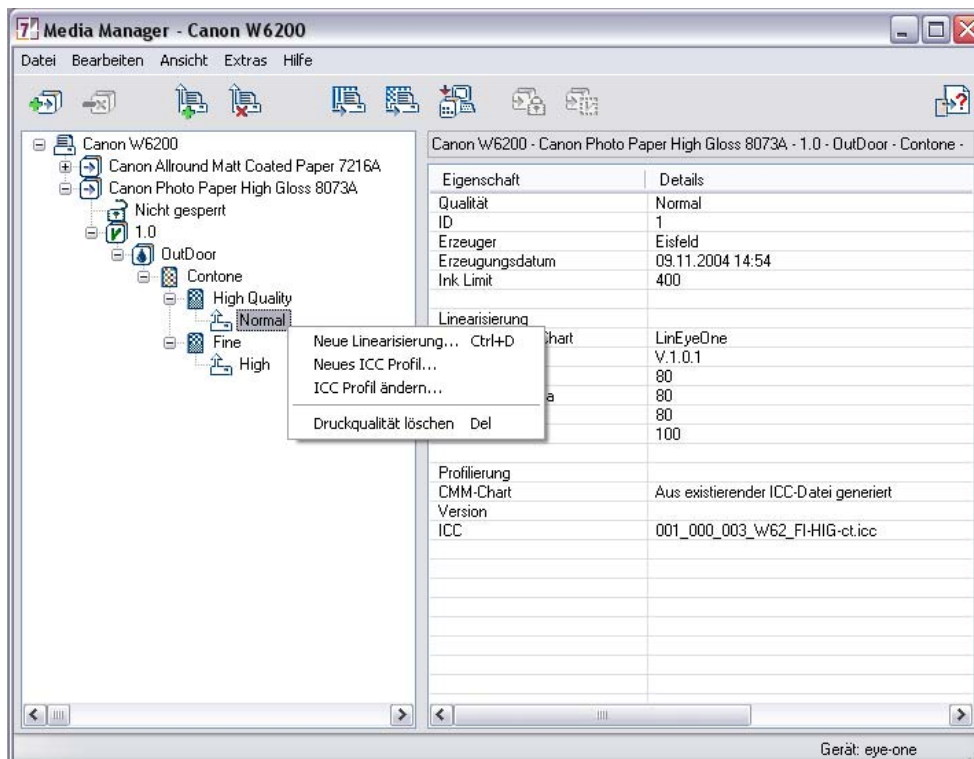
Measurable means:

- The colors do not flow heavily into each other. The original color of this field should be visible
- there are no "drops" of color on the color fields of the testchart
- the testchart may be slightly moistly after printing, but the color must dry equably on the media (there are no little "hills" in the middle of the color fields that avoid a proper measuring)

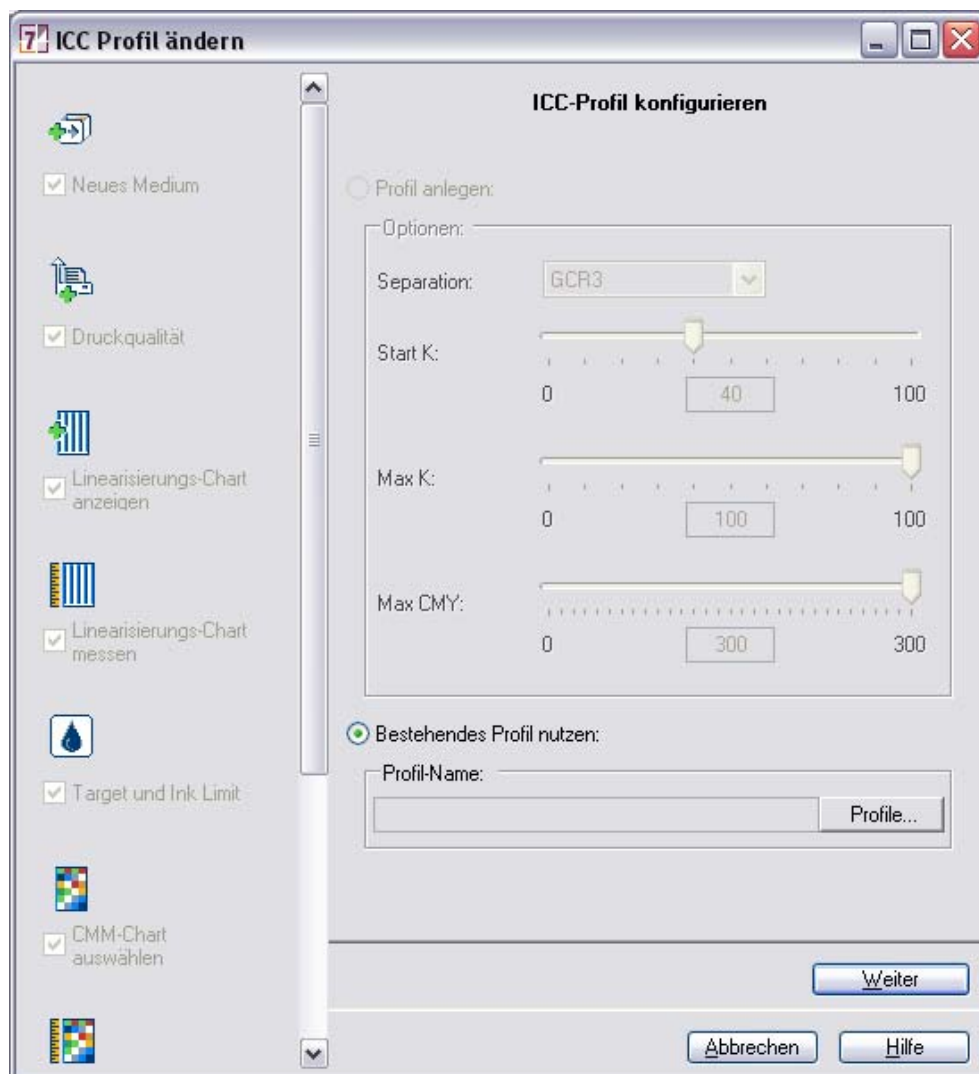
Loading an ICC Profil in PosterJet

After calculating the ICC profile you must implement this new profile in PosterJet to use it.

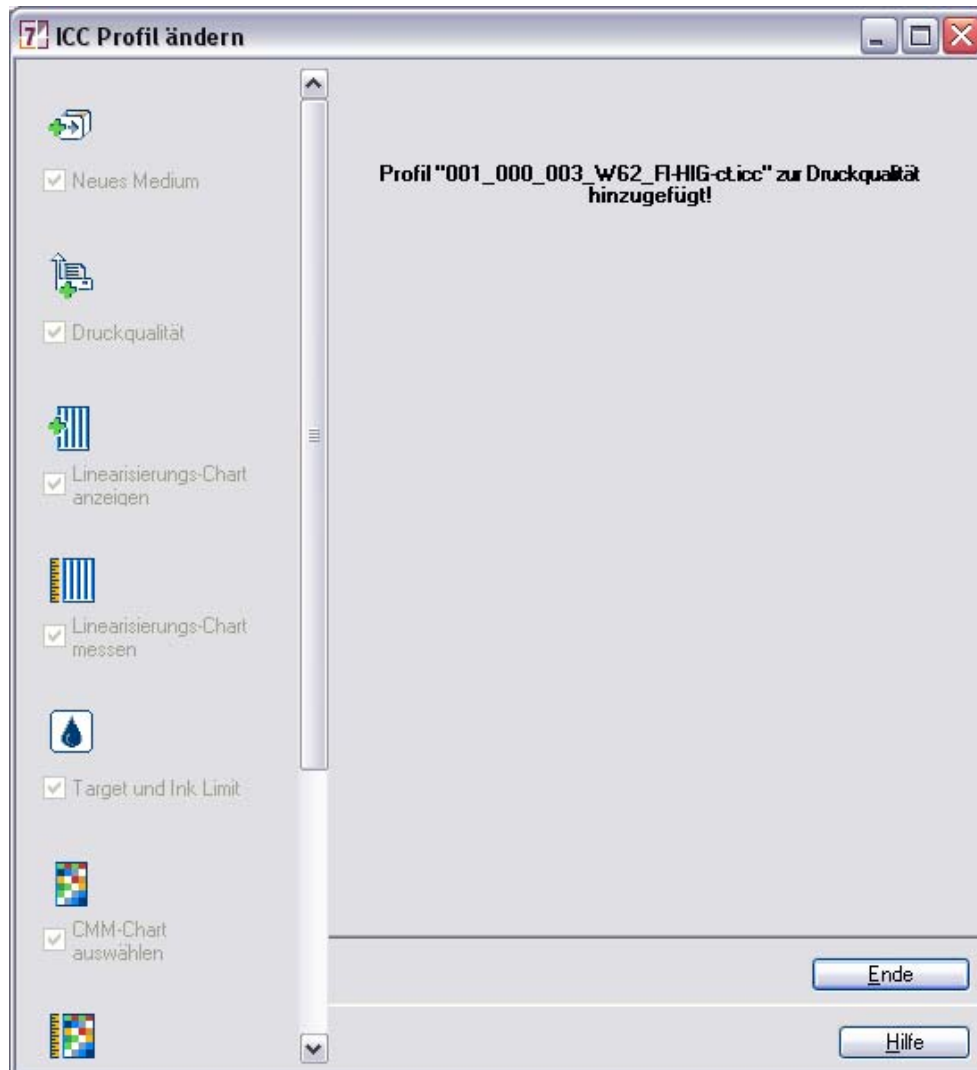
Choose the desired media in the MediaManager. Open the context menu with a right mouse click on the print mode. Choose the entry "Change ICC profile".



The MediaManager Wizard appears again.



Insert your profile and click on "Next".



Your new profile is now implemented in the new created media.