



HutchColor Print Quality Monitoring Chart

Tracks density and color balance of any printing device

version 7

Den/Lab?

Instructions:

- 1 Create a 'master' print which represents the ideal condition of the device
- 2 Measure and record the INDIVIDUAL C, M & Y densities of the 50% CMY Gray patch under 'Master Gray Densities'
- 3 Measure and record the VISUAL (neutral) Density of the 50% Black patch under 'Master Gray Density - K'
- 4 Measure and record the individual solid (100%) CMYK densities of each ink under 'Master Solid Densities'
- 5 On subsequent prints, measure the same patches (50% CMY, 50% K & solid CMYK) and plot the values above or below the nominal line to show deviations from the master values
- 6 Draw a line between each new entry and the previous one, using color-coded pens

What to look for:

- The CMY densities in the 3-color gray patch should remain as constant as possible
- If the CMY gray densities drift from the master difference (indicated by 'crossed curves' on the graph), the gray balance of printed images will change
- If the AVERAGE densities of the CMY &/or K 50% patches drift up or down, the darkness and contrast of printed images may change
- On most images, solid ink densities are LESS IMPORTANT than the 50% patches

Device:

Media:

Sheet #:

From date

To date

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Date

Time

Master Gray Densities

C	<input type="text"/>
M	<input type="text"/>
Y	<input type="text"/>
K	<input type="text"/>

0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
-0.08
-0.09
-0.10

Master Solid Densities

C	<input type="text"/>
M	<input type="text"/>
Y	<input type="text"/>
K	<input type="text"/>

0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
-0.14
-0.16
-0.18
-0.20

Notes: