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DC-7600 - Testing for Optimum Print Quality

This procedure outlines the sequence of Test Cards to print and what to look for, adjust so to achieve the best Print Quality of printed Cards from the DC-7600.
The 10 Test Cards, to test the Printer with, are included within this Print Quality Test file.

Card #1 is a Dual-sided Card

Front Side

1) Check that the Grid Lines connect. This is affected by Head Temperature.
2) Numbers and Boxes are printed with YMC.
3) The first and Last Lines are equal in distance from each Card Edge.

4) Is there Micro-text (1.8 point font) the picture and what quality is the print ?
5) Is there a size differential to the larger characters ?
6) The 4 corner align boxes are with YMC ?

Back Side

1) Top and Bottom Lines should be equal distance from Card Edges.
2) YMCK is printed Portrait and Landscape direction.

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Card #2 is a Dual-sided Card

Front Side

1) Color should be uniform, consistent.
2) No Edge degradation.

Back Side

1) No white line on right side Card Edge
2) Different Colors, different concentration

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Card #4 is a Single-sided Card with Barcode

1) Check for Vertical Banding
2) Color Match to what is displayed in Card Editor
3) From the Bars and White spaces of the Barcode, look for Concentration Difference banding in the above color.

Card #5 is a Single-Sided Card

1) Check for Vertical Banding
2) Check for clean Card Edges

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Card #6 is a Dual-Sided Card

Front Side

1) Check for Vertical Banding
2) Check for Clean Edges

Back Side

1) Check for Vertical Banding
2) Check for Clean Edges

Card #7 is a Single-Sided Card

1) Check for Vertical Banding
2) Check for smooth transition of Colors

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Card # 8 is a Single-Sided Card
(standard Self-Test Card)

1) Check for Vertical Banding
2) Check for clarity of Pictures
3) Check for YMC alignment

Card #9 is a Dual-Sided Card

Front Side

1) Check for Vertical Banding (Mechanized or Concentration).
2) Check for clean Card Edges
3) Check for consistent color across the Card.

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Card #9 continued.

Back Side

1) Check for Vertical Banding (Mechanized or Concentration).
2) Check for clean Card Edges
3) Check for consistent color across the Card.

Card #10 is a Single-Sided Card

1) Check the Skin Coloring of the different Faces
2) Check for clean Card Edges
3) Check for Clarity of pictures in Card
4) Check Color Transitions

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Examples of Print Quality Rejections

Color Misalignment

Ragged Card edges

Vertical Banding (mechanized)

Pits or patches missing

Image Misalignment

Residual Image (Ghosting)