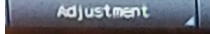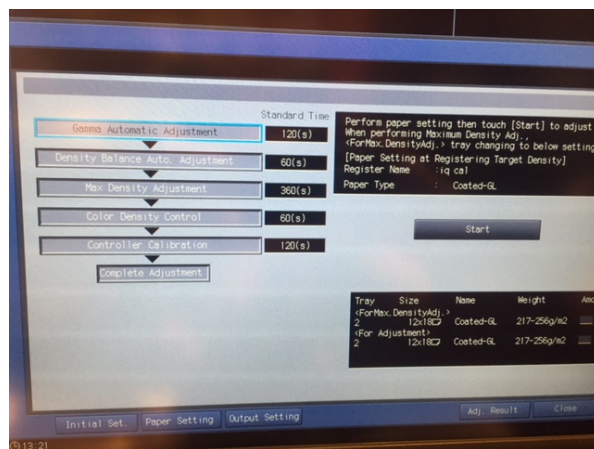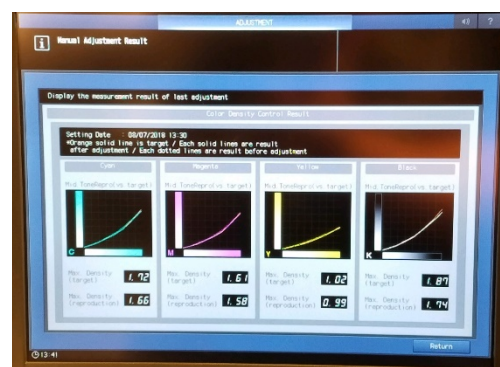## IQ-501 Guide

Linearization: [10-12min]

1. Select [Adjustment] button, located on the bottom of the main screen at the machine panel.

2. Select "01 Quality Adjustment."

3. Select "01 Package Color Auto Adjustment." (Steps a to c only need to be done on initial time or if something changes such as paper tray)

    a. To adjust settings, select "Initial Set."

        i. Screen of Adjustment Target: Select "Screen1."

        ii. Additional Adjustment: Select all options if wanting to run full linearization. Also have the option to run for specific adjustments:

            1. Gamma Auto Adj. (approx. 120 sec.)

            2. Dens. Balance Adj. (approx. sec.)

            3. Max Density Adj. (approx. 360 sec.)

            4. Color Density (approx. 60 sec.)

            5. Controller Calib. (approx. 120 sec.)

        iii. Select OK to close.

    b. To choose a specific paper tray, select "Paper Setting."

        i. Choose a specific paper tray to test print from.

    c. To choose specific output tray, select "Output Setting."

        i. Choose specific paper output tray, then select OK to close.

4. Press "Start." Multiple color patch sheets will print to linearize machine.

    a. The machine will print out several multi-color patch sheets.

5. Once linearization is complete, select "Adj. Result" on the bottom-right of screen to view results.
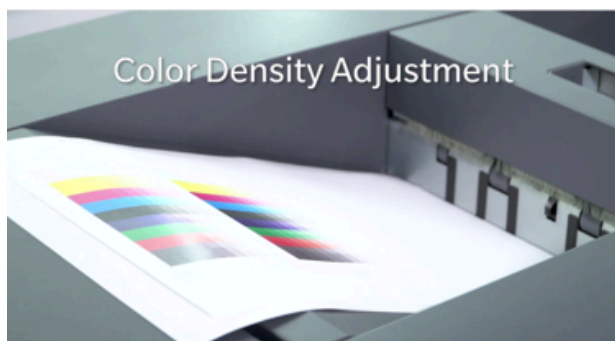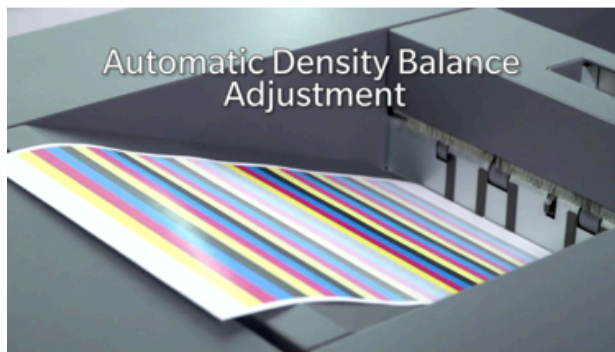
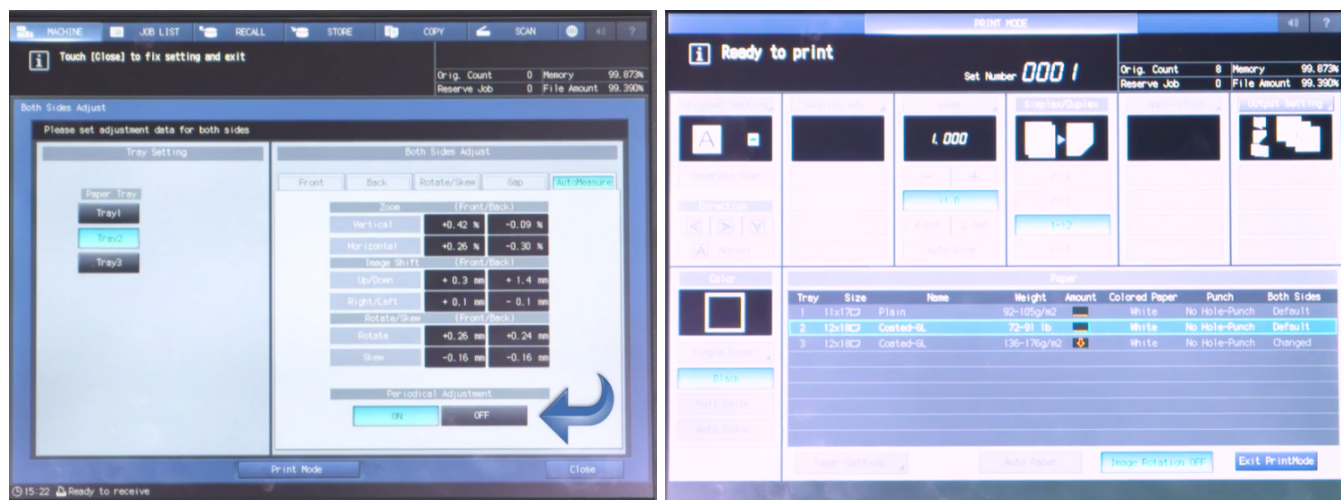6. Select Detailed Result to view color curves.

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Calibration:

1. If Controller Calibration is highlighted in the Package Color Adjustment Initial Setting then when it goes through the linearization process in step C, then calibration is performed. This step is *ideal for gloss or coated paper*.
2. Fiery Calibration from the Press Control Panel *(ideal for plain paper or anytime you just need to calibrate (gloss or plain) and not linearize)*
     i.   Controller (from KM panel)
     ii.   Press the blue icon button in the bottom left corner of screen
     iii.   Press Tools
     iv.   Press Calibrate
     v.   Follow screen instructions *(choose paper/paper tray with plain paper, ect.)*
3. Fiery Color Profiler Suite (CD that came with Fiery RIP- you do not need a license to use Calibration within FCPS, you will run it in Demo mode).
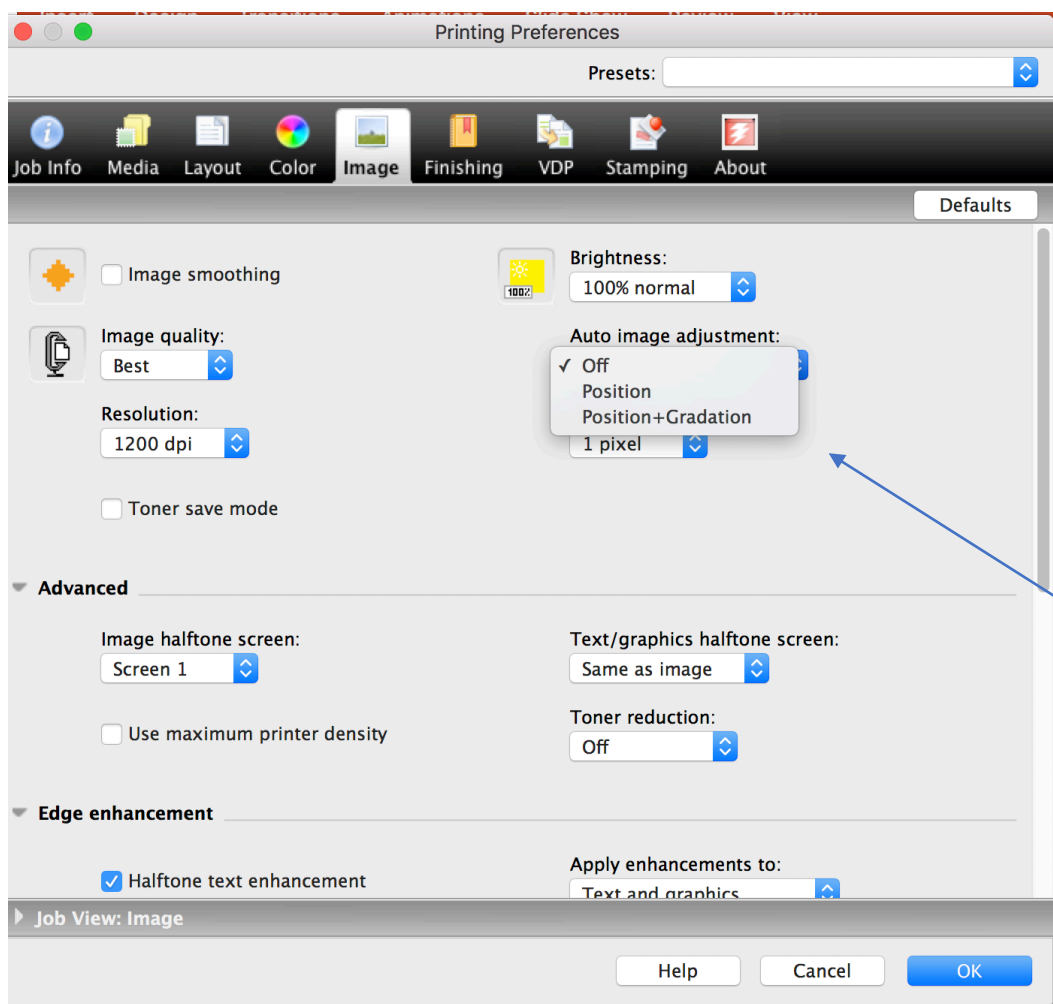   i.   Follow screen instructions

Registration:

1. Select the "Both Sides" button, located on the bottom of the main screen at the machine panel.
2. Select a paper tray to adjust.
3. Select the "Auto Measures" tab.
    a. Optional: Select "ON" for Periodical Adjustment.
    b. Periodical Adjustment: As time goes on, machine will stop printing when a deviation is detected, then will prompt the operator to run "Auto Measure".
4. To test, select "Print Mode" from the bottom of the screen.

5. Indicate how many charts to be printed (1-20), then select "Start."
    a. It is recommended to print more than one chart to properly compare adjusted output.
6. Examine chart(s). Re-run additional test prints as needed.
7. Select "Exit Print Mode" to view adjustment measurements.
8. Select "Close" to save and exit screen.

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Adjustment Features from the Fiery:

1. Auto Image Adjustment:
   a. Select the "Image" tab in Printing Preferences/Properties.
   b. "Auto Image Adjustment."
2. When "Auto Image Adjustment" is turned on, color bars and crop marks will print when using oversize sheets for continuous measurement.
   a. Alternating CMYK & RGB/Process K strips-approx. 9mm per edge is used.

Periodic Adjustments- Set from control panel- activate at anytime or when there isn't room for color bars or crop marks