Xerox® DocuColor® 7002/8002 Digital Press
Calibration and Profiling with ILS on EX Print Server

The Automated Color Quality Suite (ACQS) on your Xerox® DocuColor® 7002/8002 Digital Press includes software and an Inline Spectrophotometer (ILS). This suite and the ILS assembly work with your print server to provide unique calibration and profiling capabilities:

ACQS Function	EX Print Server, Powered by Fiery®
Color Calibration with ILS	Semi-Automated • Operator initiated • Scans and measures targets automatically without an external spectrophotometer • Resets color tables to original values to maintain consistent color
Profiling with ILS	• Operators can create "destination" or "output" profiles without having to scan targets with an external spectrophotometer. The press prints color targets while the ILS measures them. The system then develops a map so that output colors can be produced that accurately replicate a known standard such as GRACoL or SWAP. The mapping is written into the profile for the type of media and line screening used.

Performing a Color Calibration with ILS

Daily calibration keeps your color consistent over time because a press may drift from its original color output. This happens because of normal use, changes in temperature and humidity and changes in paper. When you calibrate, you bring the press back to its original high-quality output.

1. Log on as System Administrator.

2. From the *Server* drop-down menu, select **Manage Color.**
   The ColorWise Pro Tools window displays.

3. Click **Calibrator**.
   The Calibrator window opens with a set of numbered steps.

4. From *Select Measurement Method* select **ILS** from the drop-down menu.
   The ILS Support window opens.

5. For *Media Type*, select the **stock** you want to calibrate on.

6. For *Digital Press Mode*, select the **halftone setting** you typically use for the press.
   By default, 200 Dot Rotated is selected.

7. Verify that the stock selected under Media Type is loaded into the correct paper tray.

8. Click **Continue** to begin the calibration.
   A message window displays when the calibration process begins on the server.
   When the calibration successfully completes, a "Success" message displays.

9. Click **OK** to return to the ILS Support window.

10. Click **Exit** to close the ILS Support window.

Creating a Destination Profile with ILS

Colors can look different when printed on different stocks, especially stocks that have a different gloss or a different color. When a profile is created for each of these different stocks, the system develops a map so that the output colors will match a known standard. The mapping is written into a profile for the type of media and line screening being used. Once created, the custom profile can be applied to jobs. The profile automatically adjusts the output color for a job so that the color is accurate for the media being used. Profiles ensure accurate and consistent color across different media as well as the same media used at different times. Because they replicate color from a known standard such as GRACoL or SWAP, they also ensure accurate and consistent color across output from different presses.

When creating a Destination Profile, you use the same screens and most of the same steps as you use when performing a calibration. However, you must additionally name the Profile so that it can be selected and applied to jobs and calibrations.

1. Log on as System Administrator.

2. From the *Server* drop-down menu, select **Manage Color** and **Calibrator.**
   The ColorWise Pro Tools window opens.

3. Click **Calibrator.**
   The Calibrator window opens with a set of numbered steps.

4. From *Select Measurement Method* select **ILS** from the drop-down menu.
   The ILS Support window opens.

5. In the *Available Calibrations* area, click **Create New.**
   The Create New window opens.

6. In the *Calibration Name* field, enter a meaningful **name for the profile** such as the paper type, weight and press mode.

7. From the drop-down menu, select the **Media Type** that you want to use for the profile.

8. From the *Digital Press Mode* drop-down menu, select the **halftone screening** for the profile.
   200 Dot Rotated is the default.

9. From the drop-down menu, select the **Recommended Paper** for the profile.

10. From the drop-down menu, select the **Paper Tray** to be used for the profile.

11. Verify that the stock selected under Media Type is loaded into the correct paper tray.

12. Click **Continue**.
    A status message displays when the profiling process begins on the server. The profile is created and will also automatically go through a calibration process. When the profiling successfully completes, a "Success" message displays. When complete, the newly created profile name displays in the *Available Calibrations* window.

13. Verify that the new profile is listed in the Available Calibrations window.

14. Click **OK** to close the message window.

15. Click **Exit** to close the ILS Support window

16. Click **Done** to close the Calibrator window.

Applying a Destination Profile

Newly created profiles can be accessed and applied to jobs from Job Properties, Hot Folders and Virtual Printers.

To apply a profile from Job Properties:

1. Double-click the job to open **Job Properties**.

2. Click **ColorWise**.

3. Click **Expert Settings**.
   The Expert Settings window opens.

4. Select the **Output** tab.

5. From the *Default output profile* drop-down menu, select the specific **profile** you want to use.

6. Close all windows.

Linking a Stock to a Destination Profile

You can link a stock to a profile so that when the stock is used, the profile is automatically applied. This can save you time when managing jobs.

To link a stock with a profile:

1. Open the **Paper Catalog**.

2. Select the **stock** you want to link to a profile, right click and select **Edit**.

3. Click the **Settings** tab.

4. Using the menus, select a **specific profile** to link to this stock. You can apply one profile to the front side of each page (Front Color Profile) and another to the back of the page (Back Color Profile). Generally, you would set the same profile for both sides.

5. Close all windows.

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