

Xerox DocuColor  
7000/8000,  
7000AP/8000AP  
Digital Presses  
Automated Color  
Quality Suite



The Xerox DocuColor<sup>®</sup>  
7000/8000, 7000AP/8000AP  
Automated Color Quality Suite  
Consistent Color . . .  
Automatically



# Delivering Automation

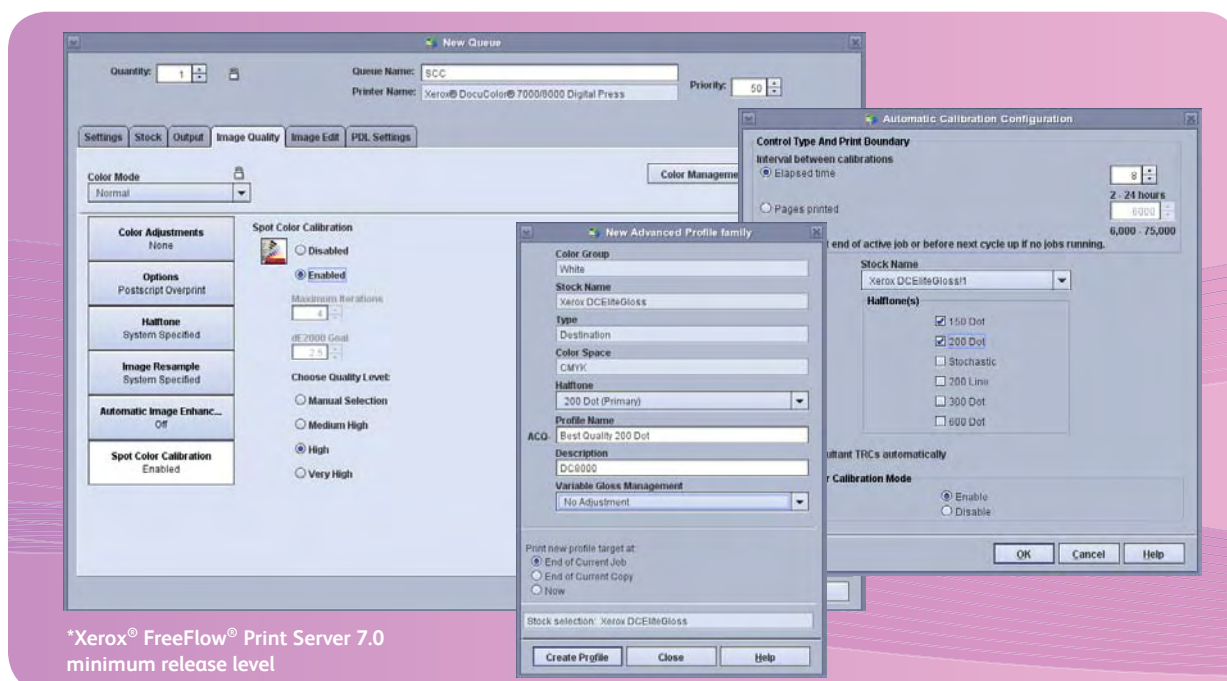
Automating color quality processes helps to increase production time and to ensure that color quality is maintained on a consistent basis. As print shops streamline their workflows and look for ways to maximize their productivity, they want more and expect more automation of their color management processes as well as the rest of their business.

Whether a job is printed one time on one device or multiple times on multiple devices, over a short or extended period of time, color consistency is critical to the printing process. Shops have at their disposal various tools to assist in achieving color repeatability. Since using these tools takes time and may require considerable expertise, operators may either delay color maintenance tasks to reduce production downtime or neglect to perform manual color quality tasks altogether. By automating these processes, shop management can have increased confidence that color maintenance will get done.

## Delivering Automation

The Automated Color Quality Suite (ACQS) uses an internal spectrophotometer that is integrated into the paper path to avoid tedious and time-consuming tasks. ACQS automatically generates the color patches on the target sheets, registers (aligns) the sheets so the patches are read accurately, processes the data and takes the appropriate action. The targets run at the rated speed of the DocuColor 7000/8000 or 7000AP/8000AP.

ACQS consists of modules for Advanced Profiling, Automated Color Calibration and Spot Color Calibration. Together they enable "Default Color Output." With ACQS, the shop achieves excellent quality almost effortlessly, even with inexperienced operators, using standard settings and automated processes.



The image displays a screenshot of the Xerox FreeFlow Print Server 7.0 software interface. The main window is titled "New Queue" and shows settings for a print job, including "Quantity: 1", "Queue Name: SCC", "Printer Name: Xerox DocuColor 7000/8000 Digital Press", and "Priority: 50". The interface is divided into several panels: "Settings", "Stock", "Output", "Image Quality", "Image Edit", and "PDL Settings". The "Image Quality" panel is active, showing "Color Mode: Normal" and "Spot Color Calibration" options. The "Spot Color Calibration" section is expanded, showing "Spot Color Calibration" set to "Enabled" and "Choose Quality Level" set to "High". A "New Advanced Profile family" dialog box is open, showing "Color Group: White", "Stock Name: Xerox DCEliteGloss", "Type: Destination", "Color Space: CMYK", "Halftone: 200 Dot (Primary)", "Profile Name: Best Quality 200 Dot", and "ACQ: DC9000". The "Variable Gloss Management" is set to "No Adjustment". The "Print new profile target at" options are "End of Current Job", "End of Current Copy", and "Now". The "Automatic Calibration Configuration" dialog box is also visible, showing "Control Type And Print Boundary" set to "Elapsed time" and "Interval between calibrations" set to "2 - 24 hours". The "Stock Name" is "Xerox DCEliteGloss1" and the "Halftone(s)" are "150 Dot", "200 Dot", "300 Dot", and "600 Dot". The "Calibration Mode" is set to "Enable".

\*Xerox® FreeFlow® Print Server 7.0  
minimum release level



## Advanced Profiling

Advanced Profiling creates a superior, custom ICC-compliant Destination Profile for color critical applications such as photos that require a high degree of color accuracy and detail as well as a pleasing appearance.

**All at the touch of a button.**

## Productivity

- Matches the DocuColor to other presses in your shop usually on the first try.
- Yields improved color consistency between machines and over time on one machine.

## Color Quality

- Provides outstanding color accuracy.
- Emulates industry color standards such as GRACoL and ISO.
- Results in better neutrals, shadow and highlight detail, and photo rendering.

## Variable Gloss Management

- Optionally adjust the image rendering for the preferred level of glossiness and overall appearance.
- A Variable Gloss Management Profile created with ACQS is optimized for each specific printer, halftone (dot) and stock (if desired).

## Spot Color Calibration

Customers running applications such as marketing collaterals and direct mail are sensitive to spot color consistency and, for many, repeatability is as critical as or even more important than accuracy. Accurate and consistent Spot Colors are also important for catalogs, business cards and design documents.

**Simple to set up.**

## Productivity

- Much faster than the manual procedure, which depends on visual, subjective assessment.
- Enables manufacturing environment (quantitative measurement against a desired goal).
- Saves 35-40 min. on average per job (based on 3-5 spot colors per job).
- Can run automatically.
- Faster time-to-press.

## Color Quality

- Delivers accurate color with no special color knowledge or skill.
- Will hit the correct color for Pantone coated callouts.
- Improves color repeatability on the same machine and across machines.

## Automated Calibration

The ACQS inline spectrophotometer automates a critical element of color management—press calibration. It can be set to run automatically on a schedule eliminating the problem of busy operators forgetting to calibrate.

**Totally “hands free.”**

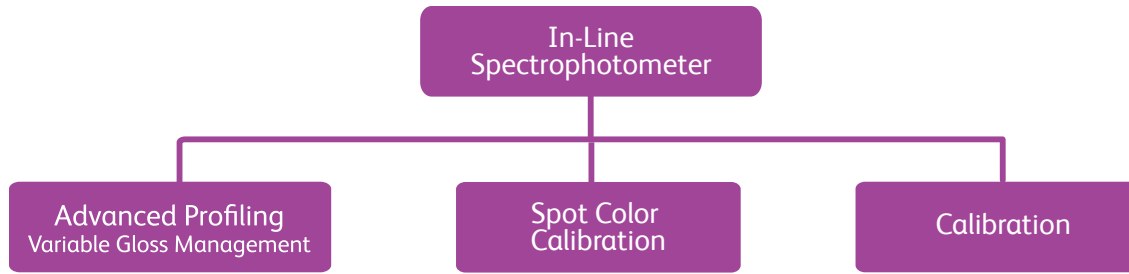
## Productivity

- Eliminates mistakes due to human error or mis-feeds when calibrating manually (no separate feeding of calibration charts).
- Reduces non-productive printer time and facilitates job turnaround.
- Can be scheduled to run automatically at the next job boundary after so many elapsed hours or printed pages.
- Eliminates color variation because operators forget to calibrate or calibrate off schedule due to workload.

## Color Quality

- Performs automatic white balance calibration (of the spectrophotometer) to ensure that the sensor always returns accurate results.
- Maintains the accuracy of Advanced Profiles and Spot Color Calibration.

# One Spectrophotometer, multiple Productivity enhancements



## Advanced Profiling

Using the inline spectrophotometer, ACQS will automatically print target sheets, measure how closely they match a selected industry standard and generate a profile for the DeviceLink workflow, all on the press. The quality of photos, both RGB and CMYK, is significantly improved with the use of Advanced Profiling.

## Spot Color Calibration

Spot Color Calibration (SCC) color-corrects spot colors to official (Pantone® licensed) reference values, within a user-specified level of quality. No other tool is as effective at correcting saturated spot colors. SCC automatically reads print engine data and modifies the CMYK recipe for each spot color to minimize the color difference with the reference value.

## Automated Calibration

Color can vary for a variety of reasons including temperature fluctuations, humidity changes and general day-to-day use. Calibration, which sets gray balance, is required to return the print engine to the expected state. Automated Calibration is accomplished in about two minutes per halftone (line screen) – saving 10 minutes compared to manual calibration.

For more information on the Automated Color Quality Suite, Contact your Xerox representative today or call **888-65-ASK-XSIS**

