Product Description	ColorFlow Software delivers Color Relationship Management that unifies all the color elements, such as ICC profiles and plate and print curves, managing the relationship between them and the device print conditions. ColorFlow software can be fully integrated with Kodak Prinergy Workflow System Version 9.0 and enables efficient setup of complex color workflows with an intuitive user interface.

Tight integration with the workflow and between devices enables automatic updates when a print condition is redefined. Color control can be automated through the Prinergy System's job process templates, a process that can be further enhanced by the sophistication of database rules based automation.

ColorFlow Software supports open standards and has been designed to simplify the tasks of busy prepress professionals.

Product Version   Kodak ColorFlow Software v9.0

Available Configurations

ColorFlow Software Measure Edition, license-free application. Measure Edition includes the same chart generation and measurement capabilities provided with the Workflow and Pro Workflow Editions.

ColorFlow Software Workflow Edition, included with the Prinergy Software. The Workflow Edition integrates with Prinergy version 9.0 and includes the ability to generate and edit curves and to import ICC device profiles and ICC DeviceLinks.

ColorFlow Software Pro Workflow Edition, upgrade from the Workflow Edition. The Pro Workflow Edition includes all the functionality of the Workflow Edition and includes the ability to create and edit ICC device profiles and DeviceLink profiles.
The **Ink Optimizing Solution** option is available with the Pro Workflow Edition.

Options

Ink Optimizing Solution, enables users to generate ICC DeviceLink profiles that apply sophisticated color-conversion algorithms, that reduce the amount of CMY ink without affecting the appearance of color images or the sharpness of text and line art. The Ink Optimizing DeviceLink profile reduces ink consumption and improves press stability, while maintaining the same overall color appearance.

Standard Software

ColorFlow Software Workflow and Pro Workflow Editions allow for multiple users but do not allow concurrent use.

System Requirements	**ColorFlow Software v9.0 Client Software for Windows**

- Microsoft Windows® 8.1, or 10, or Microsoft Windows Server 20012 or 2016
- Adobe Reader software (to display reports)
- 2 GB RAM (minimum); 4 GB RAM (recommended)
- Intel ® Core 2 Duo processor (2.0 GHz minimum)
- Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package ATL Security

ColorFlow Software v9.0 Client Software for Macintosh

- Macintosh computer with an Intel processor running macOS 10.13, 10.14 or 10.15. To install ColorFlow software, you must have a user account with administrator privileges
- Adobe Reader software (to display reports)
- Intel Core 2 Duo processor (2.0 GHz minimum)
- 2 GB RAM (minimum); 4 GB RAM (recommended)

Documentation Included	Online documentation and Computer-based Training is included with the software. No hardcopy documentation is provided.
Training Included	No entitlement training is provided. Several training options will be available as Professional Service offerings.
Supported Print Technologies	ColorFlow Software supports the following print technologies:

- Offset printing (sheetfed, heatset web, coldset web)
- Flexographic printing
- Electrophotographic printing
- Inkjet printing
- Digital halftone proofing

Device Colorants	CMYK process printing, 5C to 7C extended gamut printing, and spot colors
Supported Measurement Instruments	ColorFlow Software supports the creation and measurement of charts for the following instruments:

- X-Rite i1Pro (UV or non-UV), i1Pro2 and i1Pro3 Spectrophotometers
- X-Rite i1iO Table with X-Rite i1Pro (UV or non-UV), i1Pro2 or i1Pro3 Spectrophotometer
- X-Rite i1iSis and i1iSis2 Spectrophotometers
- X-Rite i1iSis XL and i1iSis2 XL Spectrophotometers
- Techkon RS-800 (Windows only)

Chart Generation and Measurement	ColorFlow Software generates and measures charts for device characterization using an integrated chart reader. Chart types include:

- CMYK Color Characterization charts (based on IT8.7/4 and IT8.7/5 charts)
- Built-in P2P25 and P2P51 charts for i1Pro, i1iO and i1iSis
- Built-in 5C, 6C and 7C charts for i1iO and i1iSis
- CMYK Tonal Characterization charts
- CMYK and spot ink Tint Ramps for generating TVI- or SCTV-based curves (spot patch measurement or keyboard entry)

Keyboard Entry of Data	Tonal Data entry for Tint Ramps can be done for:

- Tint Ramps for generating plate curves
- Tint Ramps for generating TVI- or SCTV-based print curves

Chart Data Import	Chart measurement data can be imported from the following applications:

- Profile Wizard 4.0 (CGATS 1.7 format)
- X-Rite ColorPort 1.54 (Mac), vTBD (PC) CGATS.17 format
- X-Rite Measure Tool (CGATS 1.7 format)
- X-Rite Profile Maker v5.0 (CGATS 1.7 format)
- X-Rite MonacoPROFILER 4.8 (CGATS 1.7 format)
- Heidelberg Prinect Image Control (CGATS 1.7 format)

Chart Data Export	Chart measurement data can be exported:

- CGATS.5 tab-delimited text format
- Export of average data for multi-sheet measurements

Supported Industry Standards and Specifications	ColorFlow Software includes characterization data for the following: • CGATS2-21-CRPC1 through CRPC7 • FOGRA 28–32, 39–54 • GRACoL 2006 Coated Type 1 • IFRA 26 • IFRA 30 • ISO 12647-2:2004 TVI Curves (A through H) • ISO 12647-2:2013 TVI Curves (A through E) • PSR Gravure HWC • PSR Gravure SC • PSR Gravure LWC • PSR Gravure MF • SWOP 2006 Coated Type 3 • SWOP 2006 Coated Type 5 ColorFlow Software includes ICC device profiles of PDF/X Output Intents registered at www.color.org
Plate Curves	**Curve Generation** • Single-channel plate curve is applicable to all separations **Curve Export** • Export of Harmony Transfer Calibration Curves
Print Curves	**Curve Generation** • CMYK Curves based on Tone Value Increase (TVI), Gray balance or G7 method • Extended Gamut Curves based on Spot Color Tone Value (SCTV) • Custom Spot curves based on TVI or SCTV • Mapping of other Spot color names to process ink curves • Generation of Custom Transfer Curves including CMYK, CMYK+ and Spot curve channels **Curve Import/Export** • Import and export of Harmony Transfer Curves **Curve Editing** • Editing of all curve types via numerical and graphical methods • Editing effect can be visualized through on-screen display of a user-selectable image (CMYK curves only) • ColorFlow Software includes unique CMY gray-balance curve editing capabilities

Device Profiles	**Profile Generation** • CMYK ICC device profiles (v2 and v4) • 5C through 7C ICC device profiles (v4) **Profile Import/Export** • Import of ICC-compliant device profiles • Export of ColorFlow-generated ICC device profiles **Profile Editing** • Adjustment of CMYK(+) profile White Point, Input or Output Tonality • Adjustment of CMYK Dark Point, Gray Balance, and Selected Color
DeviceLink Profiles	**Profile Generation** • RGB-to-CMYK and CMYK-to-CMYK ICC DeviceLink profiles (v2, v4) • 5C through 7C source and/or destination DeviceLink profiles (v4) **Profile Import/Export** • Import of ICC-compliant device profiles • Export of ColorFlow-generated ICC device profiles **Profile Editing** • Adjustment of CMYK(+) to CMYK(+) DeviceLink White Point, Input and Output Tonality • Adjustment of CMYK to CMYK Dark Point, Gray Balance, and Selected Color
Reports	• Print characterization report • Print comparison report for comparing one device response to another, or to a reference print condition • Verification report for comparing the response of a device with its curves and/or DeviceLink to the target response
Languages Supported	English, French, Italian, German, Spanish, Russian, Simplified Chinese, Traditional Chinese, Japanese, Korean

Kodak ColorFlow Software Version 9.0 Feature Comparison

Feature	Measure Edition	Workflow Edition	Pro Workflow Edition
Macintosh and PC Client	✓	✓	✓
Multiple Clients (single concurrent connection)		✓	✓
Integration with Prinergy version 9.0		✓	✓
Integrated Chart Generator/Reader	✓	✓	✓
CMYK TVI Curves		✓	✓
CMYK Gray Balance Curves		✓	✓
Flexo Bump and Cutoff Curves		✓	✓
Spot Color Curves		✓	✓
Import/Export Kodak Harmony Curves		✓	✓
Numerical and Graphical Curve Editing		✓	✓
Visualization of Curve Edits		✓	✓
Gray Balance Curve Editing		✓	✓
Print Characterization and Comparison Reports		✓	✓
Verification Reports		✓	✓
Multiple Curve and DeviceLink Versions		✓	✓
CMYK ICC Device Profile and DeviceLink Profile Import		✓	✓
CMYK ICC Device Profile and DeviceLink Profile Export		✓	✓
CMYK ICC Device Profile Creation			✓
Smart CMYK:CMYK ICC DeviceLink Profile Creation			✓
Flexo Profile Generation			✓
CMYK ICC Device Profile and DeviceLink Profile Editing			✓
Visualization of Profile Edits			✓
Ink Optimizing Solution			✓ (O)

✓ Included
✓ (O) Available as an Option

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) has the largest global sales force and is committed to a digitally oriented growth strategy.

Technical data subject to change without notice.