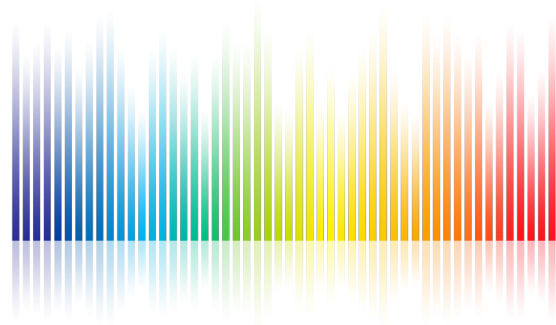
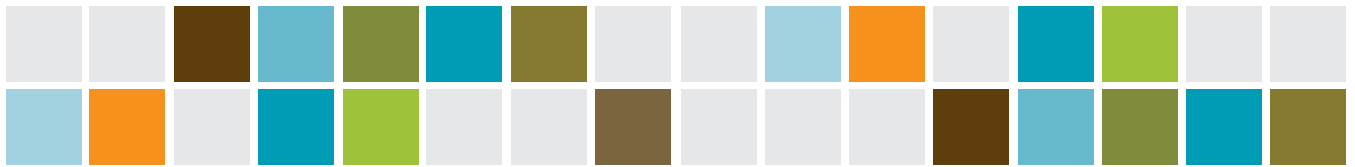


# InkFormulation and ColorQuality Software



## InkFormulation 6 Professional Color Formulation Solution

High-end ink formulation engine for ink manufacturers and printers who formulate their own ink. Provides fast, accurate and consistent ink formulation, formula creation, storage, approval and retrieval for offset, flexographic, gravure and screen-printing inks.

### As easy as point, click, and mix

An intuitive user interface guides you through the process of formulating inks. Colorants can be grouped logically by application or by specific need (such as FDA approved colorants for food packaging). Allows for rapid selection while clear and flexible graphical displays help you evaluate and adjust proposed formulas.

### A proven recipe for ink formulation success

A sophisticated multi-channel engine rapidly computes the optimal recipe based on the printing process, ink, illumination, pigment pricing, number of components, and printing materials to be used. Advanced algorithms improve results, especially in highly opaque applications, or when using high-absorption substrates or highly concentrated inks.

### Unrivaled Formulation Features

InkFormulation 6 gives you more flexibility over recipes and assortments, improves basic materials handling (change the additive in one without affecting the remainder of the assortment), and automatically determines the right ink film thickness for flexo, gravure and screen printing (no more manual draw downs and re-measurements required!).

### Less waste, more profit

When you throw away leftover ink, you literally throw money down the drain. InkFormulation 6 lets you rework leftover inks into new formulas. The result: less inventory, significantly less hazardous waste and lower disposal costs.

## ColorQuality 6 Quality Control for Color

High-performance quality control software designed for ink manufacturers, printers and QA labs to monitor and ensure the quality of colors

### Easily control and monitor color quality

ColorQuality is a versatile, flexible and network-capable program for controlling and documenting color. Its practical concept will make your daily work easier and faster. ColorQuality provides trend and statistic quality information for each job, and stores all relevant data a single place – including references, color standards, tolerances, measurement conditions, and any other important order details. Practical search criteria help access new or existing color data, orders, or customer information.

### Clear and simple interface

Users are guided through each task step by step. A simple click gives you data on-screen in seconds for comparison and evaluation. Trend data, CIE-L\*a\*b\* diagrams, spectral data, as well as statistics, density values, and metamerism can be printed in graphical or table form for easy analysis.

### Seamless connectivity

ColorQuality software connects to many of X-Rite's spectrophotometers and links to other software applications via CxF and ColorNet™ for seamless digital color communication from design to production to printing. Digital PANTONE® color libraries and HKS digital color guides are included to enable you to directly access the spectral values of colors reliably and with confidence.





## Product Features

Easy to understand user interface with a clear structure that allows for easy navigation through all functions.

Precise formulation with consistent and reproducible results for a broad variety of substrates including transparent films and metalized substrates. The InkFormulation math engine provides precise prediction of ink interactivity with substrates so you have fewer databases to build!

Rapid computation of the optimal recipe based on the printing process, ink, illumination, pigment pricing, number of components and materials to be used.

**Enhanced!** Ink leftover management allows you to reuse your leftover inks in new spot color formulations. This reduces waste and disposal costs.

**Enhanced!** Basic Material Module lets you work with a variety of additives within one assortment, allowing you to change a single additive in a recipe without having to re-do the draw down or create a completely new assortment.

**NEW!** The new Film Thickness Calibration Module allows you to quickly and precisely determine the right ink thickness for flexo, gravure and screen-printing. You can now define the needed roller or screen and the software automatically adjusts the film thickness within one assortment without having to create a separate one for each volume needed.

Batch Processing provides higher automation, lowering the cost for recipe database maintenance.

Digital Library Pack including the new PANTONE PLUS SERIES (C, U), PANTONE® Goe™ System (C, U) libraries, the PANTONE MATCHING SYSTEM® (C, U, M) libraries and the HKS (E, K, N, Z) libraries. The libraries provide data for No-filter, Pol-filter, D65-filter and UVcut-filter (PANTONE libraries only) measurements.

InkFormulation 6 and ColorQuality 6 support MySQL 4 and MySQL 5 databases.

InkFormulation 6 and ColorQuality 6 utilize the latest version of Color Exchange Format (CxF) for seamless digital color communication.

InkFormulation 6 and ColorQuality 6 support the new X-Rite Graphic Arts Standard (XRGAs).

## InkFormulation is available in four modular packages:

### InkFormulation PrinterBasic

A cost-effective system designed for small to medium sized printers to easily and quickly create and formulate custom inks, working with a database supplied by their preferred ink manufacturer. Configured with an X-Rite color handheld spectrophotometer, it is ideal for printers who previously could not justify having in-house formulation capabilities.

### InkFormulation Manufacturer

Specifically designed for ink manufacturers, it allows you to create, store and modify a colorant database and lets you build and maintain a complete colorant database featuring all the inks you use.

### InkFormulation PrinterPro

Formulate custom inks without creating and maintaining a custom colorant database. You can import and work with colorant databases supplied by your preferred ink manufacturer. Includes ColorQuality 6 software to guarantee precise measurement, continuous control, and consistent documentation.

### InkFormulation Online

A web-client solution for ink manufacturers and suppliers that allows their customers to access a centralized, easily-updatable database of ink formulation data via the Internet. Printers who do not wish to install local ink formulation capability can easily access high quality ink formulation databases that they can rely on for mixing and matching inks.

## Minimum System Requirements

### InkFormulation 6 and ColorQuality 6:

- 800 MHz Pentium III PC or higher
- Windows® XP, Windows Vista, Windows 7
- 256 MB RAM
- 120 MB of available hard-disk space
- Screen resolution of 1024 x 768
- USB-Port for hardware key and additional USB- or Serial-Port for the spectrophotometer
- Administrator rights are required for installation

### InkFormulation 6 Online and ColorQuality 6 Online:

- 3.2 GHz Pentium IV PC or higher
- for configurations up to 20 users: 4 GB RAM, Windows® Server 2003, Windows® Server 2008
- for configurations over 20 users: 200 MB RAM per user, Windows® Server 2003 R2 64bit Enterprise or DataCenter Edition, Windows® Server 2008 R2 64bit Enterprise or DataCenter Edition
- Terminal Services licenses and Application Server
- 100 GB of available hard-disk space
- Screen resolution of 1024 x 768
- USB-Port for hardware key
- Administrator rights are required for installation

## Supported Measurement Devices

X-Rite SpectroEye  
X-Rite 939 / 962 / 964  
X-Rite Color i5 / i7

Spectrolino  
X-Rite SP62 / SP64  
X-Rite 530

CE 7000, CE 7000A  
CE XTH  
CE XTS

CE 2180  
CE 3100