

InkFormulation ColorQuality **5**

The total solution for
formulation and quality control

IFS 5 Manufacturer
IFS 5 PrinterPro
IFS 5 Printer Basic
IFS 5 Online

CQS 5 Pro
CQS 5 Online
CQS 5 Basic



InkFormulation 5

Increase efficiency The batch processing tool guarantees a simple and automatic process to exchange colorants, substrates, or printing conditions for existing recipes. Fewer color databases need to be built – they can easily be transformed with the substrate characterization function.

Software that speaks your application language InkFormulation 5 is designed with your particular printing application in mind – calculating optimum ink formulas for offset, flexographic, rotogravure, and screen printing. For liquid ink applications, an opacity module optimizes the recipe to provide the desired opacity, giving the ink the covering power it needs with no wasted pigment. And the viscosity module calculates the exact amount of solvent needed to achieve the desired viscosity.

Easy instructions customized for your application We've customized the user interface for each application, using terms specific to that particular printing process. In screen printing, for instance, the software specifies mesh rather than ink film thickness. Using familiar terms reduces the learning curve, improves productivity and helps you gain a return on your investment more quickly.

ColorQuality 5

Maintain High Quality Standards With ColorQuality you will be able to meet the quality standards from the very beginning of every job. For each new job, you enter references and set color standards and tolerances. You also store information about the measurement conditions for each customer and any other important order details. The same color data can be checked, compared, displayed and statistically evaluated according to various criteria. ColorQuality offers you unlimited opportunities to check your data in a closed quality system.

From the receipt of the initial print order, or repeat orders, to delivery of the final printed material, you have colors, paper, proofs and the final product under constant control. The result is quality standards which pay off – both in production and in lower costs.

Select the view you prefer ColorQuality makes consistent color quality verifiable and quality control measurable. The proof of your quality standards is provided by the printout of the clearly organized record. Trends, CIE Lab, spectral values and statistics can be viewed at a glance.

The total solution for all your ink formulation needs

A total system for accurate ink mixing, from the lab to the kitchen From the smallest printer's kitchen to the most sophisticated ink manufacturer's lab, InkFormulation 5 is the software of choice for fast, accurate recipe creation, storage, approval, and retrieval. Together with GretagMacbeth ColorQuality software, you can generate reports documenting your choice of ink used for the job is an accurate match to the color specified by your client.



Formulate inks with speed and ease When printers need special colors, delays in getting the right ink on press can cost them precious time, customer satisfaction, even missed deadlines. Now GretagMacbeth's industry-leading InkFormulation 5 software can solve that problem more quickly and easily than ever before. With its new intuitive user interface, network database, and Internet communications, ink suppliers and printers can efficiently share color data and speed the formulation process.







InkFormulation Packages

Ideal for ink manufacturers and printers of any size

Select the system that provides the functionality that is tailored to your specific needs and budget to achieve optimal price/performance levels. All four of these sophisticated solutions use the same powerful, high-end formulation engine that makes it possible for users to measure a color and obtain the ink recipe – easily, quickly and accurately.

PrinterPro and PrinterBasic systems are all easily upgradeable through a purchased access code.

	MODULES	Balancing and Dispersing Module	Basic Material Module	E-Recipe Module	External database (SQL)	FUNCTIONALITY	Local Area Network (LAN) Enabled	Terminal Server Solution (Internet)	ColorExchangeFormat Enabled (CxF)	User Administrator	Communication IFS-CQS	Assortment Import	Assortment Creation/Modification/Export	Recipe/Job Database	Recipe/Job Import/Export	Recipe/Job Folder	Recipe Calculation
 <p>IFS 5 Manufacturer InkFormulation Manufacturer (including CQS 5 Pro) A full version of InkFormulation designed for the Ink Manufacturer, providing the ability to create, store, and modify a colorant database. This allows you to build and maintain a complete colorant database featuring all the inks you use. Includes all modules except e-recipe.</p>	●	●	○	○		●		●	●	●	●	●	●	●	●	●	●
 <p>IFS 5 PrinterPro InkFormulation PrinterPro (including CQS 5 Pro) Formulate custom inks without creating and maintaining a colorant database. You can import and work with colorant databases supplied by preferred ink manufacturers. Includes the CQS Module to guarantee precise measurement, continuous control, and consistent documentation.</p>	○	○	○	○		●		●	●	●	●		●	●	●		
 <p>IFS 5 Printer Basic InkFormulation PrinterBasic A cost-effective system designed for small to medium sized printers. You can easily and quickly formulate custom inks, working with a database supplied by your preferred ink manufacturer. Configured with either a Spectrolino or SpectroEye device, this solution is ideal for the commercial printer that previously could not cost-justify having in-house formulation capabilities.</p>	○							●		●	●		●	●			
 <p>IFS 5 Online InkFormulation Online (including CQS 5 Online) A new web-client solution (based on IFS Manufacturer) for ink manufacturers and suppliers that allows their customers to access a centralized, easily updatable database of ink formulation data via the Internet. Printers that do not wish to install local ink formulation software can easily access high quality ink formulation databases, developed by experts, that they can rely on for mixing and matching inks.</p>	●	●	○			●	●	●	●	●	●	●	●	●	●	●	●

Modules

A modular approach that fits your business... and your budget

At GretagMacbeth, we recognize that a one-size-fits-all solution can mean extra expense and unnecessary complexity. InkFormulation 5 offers modular components so you can add the functionality that meets your needs and budgets today, and when your requirements grow, easily add on additional modules or upgrades later.

(Offset, Flexo/Gravure, Screen)	Viscosity calculation (Flexo/Gravure)	Opaque inks	Leftover Management	Unit Manager	Pallet Formulation («Stützpunktrezeptur»)	Batch formulation	Mirroring and transparent substrates (films + foils)	Colorant Groups	Trend Data	CIELab diagrams	Spectral data	Density values	Metamerism	Pantone Color libraries	Statistics	Thickness Objects	Substrate Database
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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						●			●	●	●	●	●	●	●		

ColorQuality Packages*

Ideal for ink manufacturers and printers of any size

Select the system that provides the functionality that is tailored to your specific needs and budget to achieve optimal price/performance levels. All four packages use the same intuitive user interface so operators can easily, quickly and accurately control their jobs.

* Available June 2005

<p>CQS 5 Demo ColorQuality Demo Is a free copy with no ability to store and print data.</p>
<p>CQS 5 Pro ColorQuality Pro Includes a full version of ColorQuality.</p>
<p>CQS 5 Basic ColorQuality Basic Runs only with a GretagMacbeth SpectroEye or Spectrolino and is limited to quick compare and to store one job.</p>
<p>CQS 5 Online ColorQuality Online A new web-client solution based on CQS Pro Version, that guarantees access to a centralized, easily updatable database of ColorQuality data via the Internet.</p>

● included ○ optional



ACCURATE

EASY-TO-USE

FAST

EXPANDABLE



IFS 5 Saves up to 3 Times More Money!

Calculate YOUR OWN RETURN on Investment!

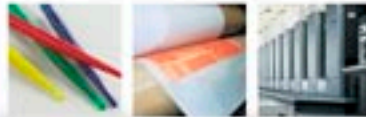
Visit IFS 5 at gretagmacbeth.com under Color formulation & Control.



InkFormulation 5

Professional
Color Formulation Solutions for

Ink Makers and Printers



IFS 5

As easy as point, click, and mix Our improved user interface guides you through the process of formulating inks. Colorants can be grouped logically by application or specific needs (such as FDA approved colorants for food packaging) for rapid selection and flexible graphical displays help you evaluate and adjust proposed formulas.

A proven recipe for ink formulation success A sophisticated multi-channel math 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.

Less waste, more profits When you throw away leftover ink, you literally throw money down the drain. With InkFormulation 5, you can rework leftover inks into new formulas. The result: less inventory and waste, lower disposal costs and a rapid return on your Ink Formulation software investment.



ColorQuality 5

Professional
Quality Control Solutions for

Ink Makers and Printers



CQS 5

Easily control and monitor color quality The proven technology of ColorQuality delivers a versatile, flexible and network-capable program for controlling and documenting color. Its practical concept will make your daily work easier and faster, offering the user high flexibility through this easy-to-use, versatile system.

The user interface is clear and simple. Users are guided through each task step by step. A simple click displays data on the screen in seconds for comparison and evaluation. Trend data, CIE Lab diagrams, spectral data and statistics, density values and metamerism can be printed in graphic or table format.

Connection to all GretagMacbeth spectrophotometers and links to other software applications via CxF and ColorNet™ – provide your interface to today's technology.

Supported measurement devices

GretagMacbeth SpectroEye



GretagMacbeth ColorEye XTH



GretagMacbeth Spectrolino



GretagMacbeth ColorEye XTS



GretagMacbeth ColorEye 2180



GretagMacbeth Color i5



System requirements

- 266MHz Pentium II PC or higher
- Windows 98SE, 2000 or XP
- 128MB RAM
- 30MB of available hard-disk space
- Screen resolution 1024 x 768

Please contact GretagMacbeth for a current list of supported third party measurement devices



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