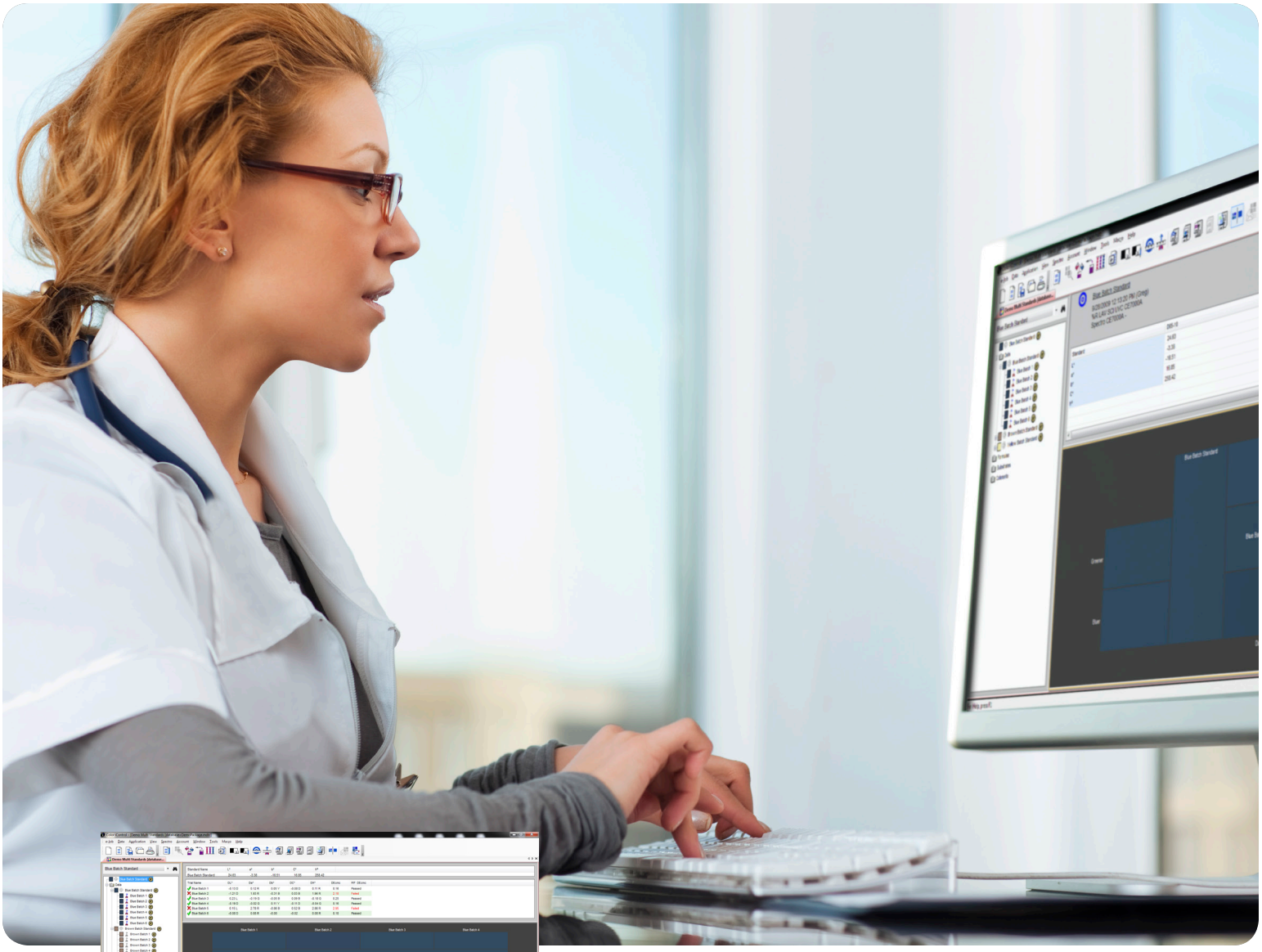

Color iQC

Color Quality Control Software

Whether approving submits, production samples, or finished products, Color iQC adapts to your workflow making color fast and easy. Color iQC is a document-oriented software solution that removes the guesswork from evaluating colors. It's easy configurability and powerful feature set allow you to simplify processes and increase efficiency while ensuring accurate color control. Color iQC is available in a variety of configurations for specific industry and color communication requirements.

x-rite

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Color iQC Advantages

Configurability

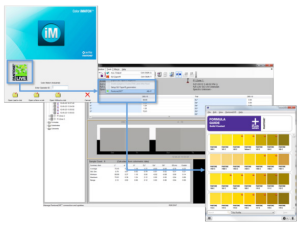
- Jobs are containers that contain all the items a user needs to perform a specific function. An example could be a project that requires several standards along with their acceptance criteria [document based architecture]
- Sending a Job to another user sends all of its contents. Settings, displays, screen layout, tolerances, and data are preserved in the job exactly the way they were on the sending system.
- This functionality can be extended to the creation of desktops tailored for different workflows and for different types of users.

Connectivity

- It is becoming increasing important for color systems to share their data with other business systems.
- Color iQC has the unique ability to connect and exchange color data across workflows and color chains.
- Color iQC's expanded suite of connectivity and traceability features make it easy to bridge processes and simplify the exchange of data with partners.

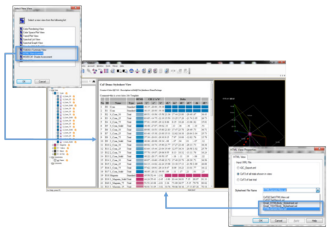
Color Exchange, Import, and Export

- Color iQC can import and export a wide range of file formats [CxF1, CxF2, CxF3, EXP, QTX, MIF, SMP, XML, PAL, TXT, DAT, MDB…]
- In most cases these files can be imported as a native format by simply double clicking on the file and launching Color iQC
- Communications between many types of color systems is becoming mandatory



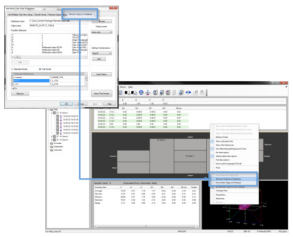
PantoneLIVE™ enabled: Allows access to Brand Owners palettes with an annual license.

- Easy access to PANTONE™ standards generic master and dependent libraries.
- Digitize workflows to deliver color standards with well defined and achievable tolerances to all participants in a supply chain.
- Ensure brand owners expectations are met across your production facilities.



Increased configurability and improved reporting from **HTML** view and **XML** style sheets:

- Powerful new HTML view allows customers to tailor display and reports to their specific color management requirements. suppliers for easy compliance.
- HTML view can be used to standardize decision making and reporting needs through out a color chain using easily transferable XML style sheets.
- Reduces comlexity and simplifies analysis to improve consistency and shorten decision cycles.

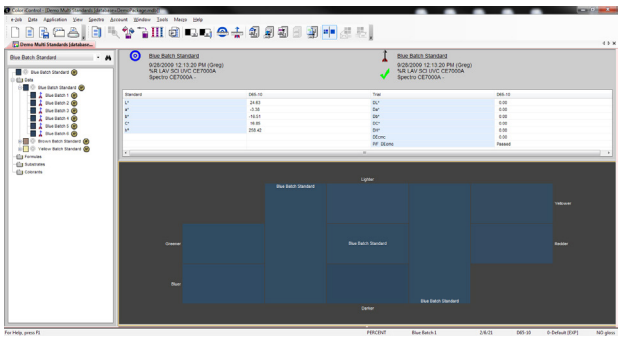


Remote output to customer database:

- Communications between many types of color and business systems is becoming mandatory
- Color iQC contains multiple methods that allow users to select and format color data and direct it to a location or application of their choosing.
- This information can be sent automatically as samples are measured, making it ideal for automation intergration into manufacturing and process management systems.

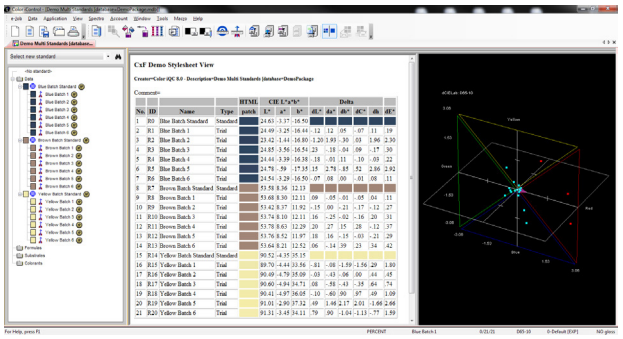
Digital Signatures and Traceability

- Every measurement, colorant, and collection in Color iQC is created with a unique code that identifies that specific object for its entire life.
- This allows color data to be circulated around the world and specific items to be recognized by the software as they come back.
- Attempting to add a new item to the database which is actually a renamed copy of the original will flag the attempt and either update the item in the database or create a new object with a new GUID
- Each measurement contains a signature that validates the instrument conditions used to measure it, the type of instrument, the procedures used, and any NetProfiling or model transforms applied to the data



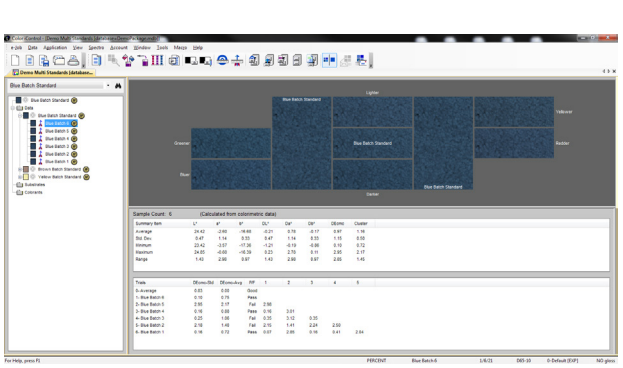
Measurements

- Measurement are containers that can have multiple spectral curves, user defined tags, security settings, measurement properties, procedures, and colorimetric data.



Templates

- Jobs and their contents, settings, and layouts can be derived from templates, allowing customer to create many tailored job types that are preset for functions they routinely do.
- A requirement to change a tolerance for a specific customer only requires changing it in a settings file, and all relevant jobs derive that new setting.



Multiple Database Storage and Retrieval

- Important information required by multiple jobs, or that needs to be preserved and organized for analysis, can be stored in a database
- A job can be connected to a database for easy data association.
- User can create and store queries to dynamically organize their view of the database with up to 5 levels of hierarchy.

Image Capture and Association

- Color iQC includes the ability to capture, associate, and display video images with a measurement.
- Images can be captured from any available video input device.
- Images can be associated and displayed with measurements or used to provide rendered on-screen color.

Specifications	
Color Spaces	CIE L*a*b*, CIE L*C*h*, Hunter Lab, CIE (XYZxy)
Observers	2 degree, 10 degree
Illuminants	D50, D55, D65, D75, F2, F7, F11, C, A, Horizon (GretagMacbeth), TL84, Ultralume 3000
Color Differences	FMCII, CIE DL*, Da*, Db*, CIE DL*, DC*, DH*, Hunter DL, Da, Db
Pass / Fail	All Attributes of CIELab, CIELch or HunterLab, CMC (l:c), CIE2000 (l:c:h)
Industry Standard Indices	Whiteness [ASTM E313, CIE, GANZ, Berger, Stensby, Taube, Tappi] Yellowness [ASTM E313, D1925], Opacity [Contrast Ratio, Tappi] Strength [SWL, Summed, Weighted Sum], Haze, Munsell Notation Orange Juice, Gloss [ASTM E429, Gloss60] Grey Scale [ISO 105 Staining, Color Change] Metamerism, Color Constancy Index, APHA
Additional Features	User Defined Screen Layouts Interactive Plots and Graphs Job Files Multiple Levels of Password Protection Data Tagging and Tracking Remote Output File Formats e-Submit Multiple Tolerancing Methods [User, Statistical, CMC, Historical] NetProfiler Enabled APHA

X-Rite: Your source for accurate color. On time. Every time.

X-Rite is a world leader in providing global color control solutions for manufacturing and quality management requirements.

We lead the industry in offering service options to ensure uninterrupted performance of all X-Rite products. Training and educational resources are available globally and online for both new and experienced users to optimize their color measurement capabilities.

Visit xrite.com for more information about X-Rite products. X-Rite customers worldwide may also call the Applications Support team at CASupport@xrite.com or Customer Service at 800-248-9748.

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L10-462 (08/12)

	Color iQC	
	Basic	**Professional**
Specifications		
Job Driven Workflows	•	•
Intelligent Customization		•
Connectivity: Import / Export Capabilities	Limited	•
Data Management	•	•
Online Training	•	•
NetProfiler Enabled	•	•
Traceability / Automatic Associations	•	•
Textured On-Screen Color		•
Image Capture / Association		•
Dynamic Image Viewer		•
Automatic [Intelligent] Tolerancing		•
Networkable Database		•
Design System Links using CxF	•	•
User Defined Procedures		•
Visual Representation of Tolerances	•	•
Interactive Plots and Graphs	•	•
Remote File Output		•
Integrated Submit and Tagging		•
Context Sensitive Help	•	•
Password Protect Key Functions	•	•
Dynamic Database Viewer / User Defined Hierarchy		•
Palette Programs, Color Programs, Vendor Management		•
eMail / FTP Support for Managing Submissions		•
Cross Trial Color Differences		•
Data Output to XML, Style Sheets, Direct-to-Database		•
Configurable HTML View using XML Style Sheets		•
Color Coded Tags and Labels		•
Snap to Color		•

General System Requirements for Industrial Stand-Alone Software		
Item	**Recommended**	**Minimum**
Processor	Intel Core 2 duo, AMD Athlon II or higher	Pentium IV
CPU Speed	2 Ghz or higher	1 Ghz
RAM	2 GB or higher	1 GB
Operating System	Windows® 7 [both 32 and 64 bit versions], XP Professional SP3	Windows® XP Professional SP3
Hard Disk	5 GB free space on system disk	1 GB free space on system disk 2GB free space on data disk
CD	24X speed or faster	4X speed
Video Adapter	XGA [1024 x 768] 32 bit True ColorSupport for OpenGL	SVGA [1024 x 768]16 bit High Color Support for OpenGL
Com Ports	1 Serial or USB port for each connected instrument	1 USB port
Internet / E-Mail	Recommended for data transfers, software updates, and technical support	Not required