

## Color iControl

Online Color Quality Control and Formulation Software

Many current color management systems need to operate within a network and with information that needs to be shared and distributed among a variety of users and locations. The challenge is to consistently meet these requirements while maintaining control of data and user rights. Color iControl provides a solution that allows any number of locations to easily communicate and share color data.

# Color iControl Advantages

## Centralized Control and Management

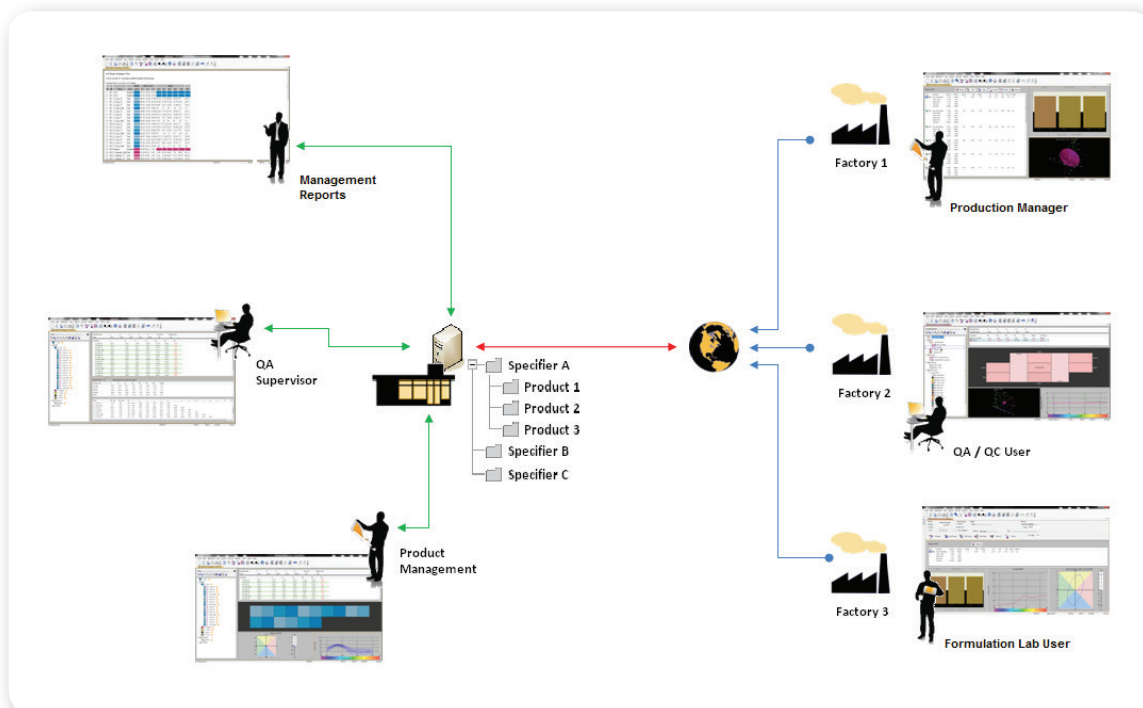
- Color iControl's account management system allows an administrator to create, modify, and manage groups of users, providing supervisory control over user rights and permissions.
- It enables supervisors to hide controls and manage functionality by user.
- Each User Group account can be assigned a default desktop.
- Desktops contain program settings, permissions, database and path settings, screen layouts, and toolbars and are an easy way to modify program appearance and behavior based on different user requirements.

*An example would be desktops for Production, Lab, and Manager to easily tailor operation for each department, and each department may run 3 shifts with each shift operator using the same group account for their department.*

## Data Access Managed by User, Function, or Location

- Color iControl's account management systems also includes the ability of assigning read or write permissions to data stored in the database based on Security Groups.
- Security Groups are defined by regions and each region can contain user defined sub regions called locales.
- User Groups can be assigned to a specific Region and Locale so that when measurements are taken, or data entered, they are assigned to the Region and Locale of the creating User Group.
- When recalling or writing data to the database, user groups permissions can be set to allow access to local, regional, or all data, allowing administrators manage or restrict access to a centralized database by User Group.

*For example, a user assigned to the "Asia, Hong Kong" region/locale would not be able to see or retrieve data that was stored by the "USA, New York" office unless they had the permission to retrieve data "from all regions".*



## Configurability

- Jobs are containers that contain all the items a user needs to perform a specific function.
- Sending a Job to another user sends all of its contents: settings, displays, screen layout, tolerances, colorants, and data.
- This functionality can be extended to the creation of desktops tailored for different workflows and for different types of users.

*An example could be a project that requires several standards along with their acceptance criteria [document based architecture].*

## Traceability

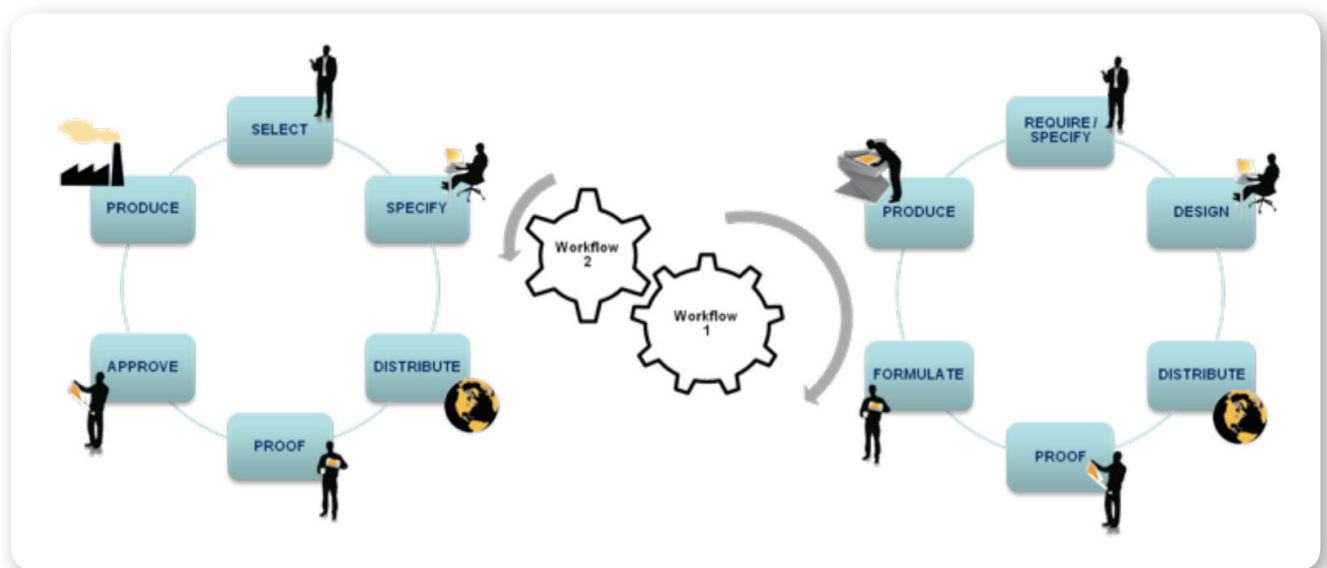
- Every measurement, colorant, and collection in Color iControl is created with a unique Digital Signature that identifies that specific object for its entire life.
- This allows color data to be recognized by the software as it circulates with a workflow or supply chain.
- Digital Signatures maintain relationships between colors and allows submissions to be linked to their associated standards automatically.

*Attempting to add a new item to the database which is actually a renamed copy of a original will flag the attempt and either update the item in the database or create a new object with a new Digital Signature.*

## Connectivity

- Communications between many types of color and business systems is becoming mandatory.
- This integration often involves IT Support and special software modifications.
- Color iControl 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 automatic integration into manufacturing and process management systems.
- In addition, Color iControl can import and export in a wide range of Industry standard formats [CxF1, CxF2, CxF3, EXP, QTX, MIF, SMP, XML, PAL, TXT, DAT, MDB...], simplifying the exchange of data with partners using alternative or legacy color related systems.

*An example would be exchanging branded color data between product development, packaging, and advertising.*



## Other benefits include

- No local software installation
- Connections using Remote Desktops [Microsoft Terminal Services™ or Citrix™]
- Simplified updates
- Remote application support
- Easy to expand

## Service offerings

X-Rite offers a complete suite of complimentary server products to insure customers obtain the maximum benefit from their iControl system.

- Color iControl Support and Maintenance Contract: Provides 1 year of premium phone and online support including software upgrades
- Color iControl “Start the Engine”: 3 days of support for system setup and configuration [settings, templates, custom toolbars, style sheets, remote output, etc.]

Color iControl Server Requirements		
Item	Recommended	Minimum
Operating System		
Version	Windows 2008 Terminal Server or Citrix Server	Windows 2008 Terminal Server or Citrix Server
Hardware		
Memory	4 GB	2 GB
Processor	Dual - 3.06 GHz	2.80 GHz
Cache	12MB	8 MB
Disk Capacity	1 TB	500GB
Database		
Supported Engines	MS SQL Server 2005/2008 Standard	MS SQL Server 2005/2008 Standard

### X-RITE WORLD HEADQUARTERS

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General / Quality Control	Color iControl QC	Color iControl Match
Job Driven Workflows	•	•
Extended Tolerancing (Indices)	•	•
Dynamic Averaging	•	•
Filters by Tag or Date	•	•
Automatic Tag Prompts	•	•
Remote Job Support	•	•
Intelligent Customization	•	•
Connectivity: Import / Export Capabilities	•	•
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	•	•

Formulation	Color iControl QC	Color iControl Match
Superior Color Matching: Multi-Flux, Single Constant		•
Colorant Tags and Rules		•
Measurement Modes		•
Tristimulus Matching		•
Formula Search		•
Search and Correct		•
Multiple Target Matching		•
Gloss Compensation		•
Lightness Adjustment		•
Manual Formulation and Correction		•
Thickness / Opacity Control		•
User Definable Formula Output		•
Palette Finder		•
Configurable Recipe Scoring and Formula Sorting		•
Quick Corrections		•
Integrated Quality Control		•
Colorant Calibration or Primary Evaluation		•
Alternate Colorants		•
Searchable Formula Codes		•