x-rite PANTONE®

ColorCert® Desktop Tools

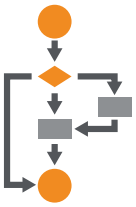
Print Quality Assurance Software



Driving Excellence in Quality

ColorCert Desktop is a print quality assurance tool that supports both job-based and non-job-based workflows. ColorCert was designed to reduce the time and complexity of managing color standards and customer specifications to minimize waste with fewer reprints and rejections. It improves efficiency by reducing time spent getting to and maintaining accurate color, enabling more jobs on press per shift.

- **Comprehensive Analysis Capability:** Monitor color quality during production and identify problems quickly.
- **Versatile:** Supports all printing processes; handles process, spot and multi-color, in both patch-by-patch and scanning modes.
- **Modular and Scalable:** Mac & Windows compatible Desktop modules. Cloud-based asset storage and deployment and reporting. Connectivity to MIS for job creation and automation.
- **PantoneLIVE:** Manage color accuracy by leveraging spectrally-based digital color standards. ColorCert includes built-in access to Pantone Coated and Uncoated libraries.



Support Mixed Workflows

- ColorCert supports easy-to-use non-job-based operation along with the ability to effectively migrate from legacy software solutions while maintaining data relationships.
- When you are ready, move to a job-based workflow for maximum efficiency and a true end-to-end solution for quality control in all steps of the packaging workflow from specification to production.



Improve Ink Room Operations

- Increase efficiency for recipe formulation or correction through integration with InkFormulation Software (sold separately).



Optimize Color on Press

- Utilize X-Rite's BestMatch technology to provide actionable information for press operators to get the best color performance.
- Reduce trial-and-error iterations required to achieve an acceptable color match, reducing makeready waste.



Manage Standards Efficiently

- Associate standards with one or many customers and/or projects, reducing errors by limiting the operator's choices to just correct colors.
- Reduce risk of redundant standards by checking for existing standards already within acceptable tolerance.

"ColorCert not only indicates pass/fail when measured color is compared to the color standard, but it also provides guidance on actions the press operator can take to ensure the job meets color expectations. This reduces trial-and-error adjustments, saving time and reducing waste."

~ ColorCert Product Manager

ColorCert Desktop Features	ColorCert Manager	ColorCert Pressroom	ColorCert Pressroom Essentials	ColorCert Inkroom	ColorCert QA
General					
Measurement of Solids	✓	✓	✓	✓	✓
Measurement of Tints, Overprints, Gray Balance	✓	✓	✓	Limited	
Measurement of Undertones	✓	✓	✓	✓	
Create/Edit ColorCert Assets: Jobs, Rules, Profiles, Inks, Backings	✓				
Create/Edit ColorCert Assets: Substrates, Spot Colors	✓			✓	✓
BestMatch: Guidance for Color Optimization	✓	✓	✓		✓
Trend Analysis: View of Consistency within a Job	✓	✓	✓		✓
Built-in Reporting: Color Performance, Scoring	✓	✓	✓	✓	✓
Quick Compare: Check of Individual Colors	✓	✓		✓	✓
Proof Verification: Check of Proof to Job	✓	✓			
Press Curves: Dot Gain Compensation Curves	✓				
Electronic Record Tracking: Audit Logging for Regulated Environments	✓	✓	✓		✓
Cloud Integration					
PantoneLIVE: Built-in Coated/Uncoated; Upgradable to Full License	✓	✓	✓	✓	✓
ColorCert Repository Server: Cloud-based Digital Asset Management	✓	✓	✓	✓	
ColorCert ScoreCard Server: Cloud-based Print Quality Reporting	✓	✓	✓		
Job-Based Workflow					
Job Creation: Template-Based	✓	✓	✓		
Job Creation: Automated; MIS Connectivity	✓				
Project Mode: Color Group Presets					✓
CombiJob Mode: Gang Multiple Jobs to Run as One	✓	✓			
MultiJob Mode: Load Multiple Jobs to Run Concurrently	✓	✓			
Data Interchange					
File Formats (Import): CxF, MIF, XTF, CGATS, ICC	✓			✓	✓
File Formats (Export): CxF, MIF, CGATS	✓			✓	
PQX Support	✓	✓	✓		
InkFormulation Integration	✓	✓		✓	✓
Inline Scanning Support	✓	✓			
Direct Migration from ColorMaster/ColorQuality					✓
Other Functionality					
Operating Systems	Windows® 8, Windows® 8.1, Windows® 10 (32 or 64 Bit), macOS 10.14 (Mojave), macOS 10.15 (Catalina), macOS 11.0 (Big Sur)				
Devices	eXact, Ci6x				
Color Differences	ΔE, ΔEcmc, ΔE94, ΔE00,ΔΔDensity, ΔLab, ΔΔLCh, ΔCIE Whiteness, ΔBrightness (TAPPI452), ΔStrength (SUM), ΔStrength (WSUM), ΔStrength (XYZ Auto), ΔStrength (XYZ Mean K/S), ΔOpacity, ΔGloss, ΔMBR, wΔL, wΔCh, ΔTVI (Dot Gain)				
Languages	English, French, German, Spanish, Italian, Polish, Portuguese, Finnish, Czech, Japanese, Chinese Simplified, Chinese Traditional, Vietnamese, and Korean				

For more information regarding this product, visit **www.xrite.com/colorcert-suite**

ColorCert® Desktop Tools Print Quality Assurance Software

ColorCert Desktop Tools, a part of the ColorCert Suite of solutions, helps pressrooms achieve color accuracy and consistency, especially when used in conjunction with an X-Rite eXact handheld spectrophotometer.

Benefits of a ColorCert Job-Based Workflow

- Facilitates process standardization and removes subjectivity in quality control with an easy-to-understand score
- Offers insight into areas of opportunity to identify, evaluate, and correct using comprehensive reporting capabilities
- Links stakeholders within a single production site or throughout a complete supply chain
- Automates job assembly to further improve workflow efficiency and reduce the risk of error

How the ColorCert Closed Loop Process Works

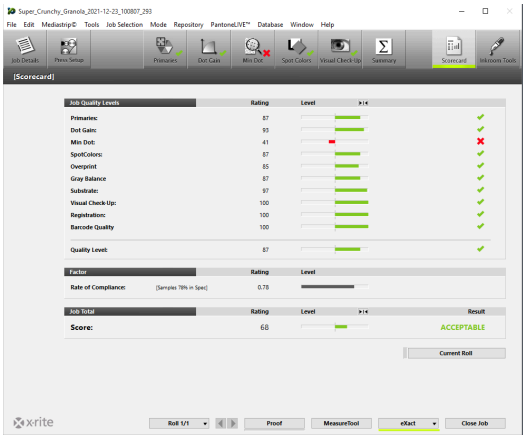
1. A specifier defines the standards, metrics, and tolerances.
2. ColorCert assembles this data into a ColorCert Job with everything required to confidently go to press.
3. The press operator uses ColorCert Pressroom to measure and track color consistency during production.
4. The reporting data is made available through the ColorCert ScoreCard Server and reported back to the specifier.



Remote operation using eXact 2 Advanced Tethered Mode

ColorCert Provides Real Cost Savings for Your Business

- Reduce non-productive press time with correct specifications from the start
- Get higher throughput on presses with actionable information for operators to run confidently
- Reduce the need for on-press approvals and build customer confidence
- Remove subjectivity with easy-to-understand single number scores
- Maximize current investments
- Provide insight into areas of opportunity to drive continuous improvement efforts
- Easy-to-use interface for fast training and ease of use



ColorCert provides feedback of print quality by summarizing the performance of each metric a consolidated overall score.

ColorCert ScoreCard Server
The ScoreCard Server is a cloud-based portal that provides an overall view of print quality, summarizes quality levels, and consolidates metrics filtered by a variety of criteria

ColorCert Repository
The ColorCert Repository Server is a secure, cloud-based portal to manage and deploy digital assets based on user type, location, brand, workflow stage, or other parameters.

ColorCert QA
ColorCert QA is a pressroom and ink room quality assurance solution that provides actionable insight into manage color standards, improving color performance and reducing make ready time and waste.

ColorCert Desktop Tools
ColorCert Desktop Tools are modular solutions to create accurate color specifications and control processes at multiple points throughout the packaging workflow.

PantoneLIVE
With PantoneLIVE Production, leverage pure spectral values for spot colors throughout the production process to ensure accurate and repeatable color regardless of substrate, printing technology or ink types used.

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