Next Generation Color Quality Control

TOOLS® 2.0

Modern, Supply-Chain Oriented Color Control Software

• Unrivaled Ease of Use with "QC Central"

• Unique Spectral Visualization

• Configurable Layout and Workflow

• State-of-the Art Tolerancing

• Datacolor QTX Protocol - the Industry Standard

• New, Interactive Smart Graphs

• Full Backward Compatibility

• Modern & Reliable Design Architecture

TOOLS® 2.0

SMART COLOR QC ANALYSIS, VISUALIZATION AND COMMUNICATION

Datacolor TOOLS® 2.0, the next generation of color quality control software.

To control and manage the outcome of color from start to finish, Datacolor TOOLS 2.0 offers outstanding performance in any industry that evaluates colored products by numbers and/or visual representation. Datacolor TOOLS 2.0 sets a new standard in all industries for superior, comprehensive color quality control.
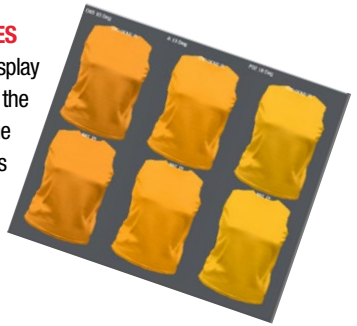
UNRIVALED EASE-OF-USE

Work the way you want with Datacolor TOOLS 2.0. Retrieve and manage all of your samples in an intuitive desktop explorer. Put your most frequently used functions in the ribbon bar. Display your plots and data grids in panels that you can modify – on the fly. Define levels of usage to the needs of your users. From routine to complex procedures, color QC operations are simple and intuitive to do.
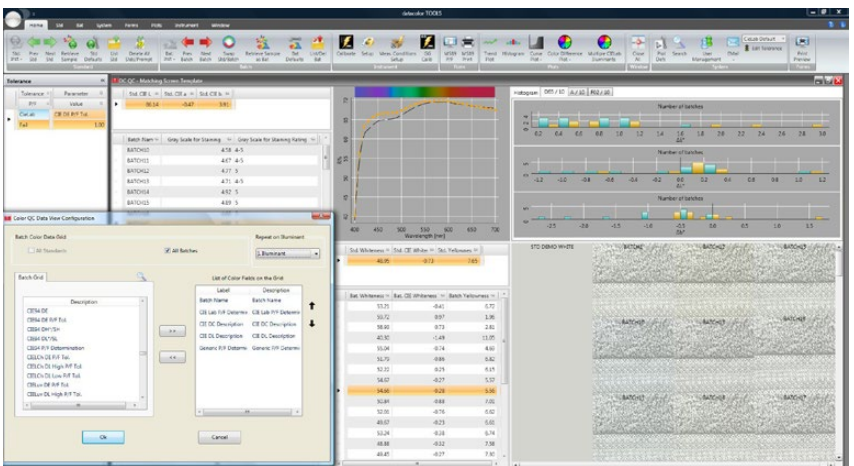
UNIQUE SPECTRAL VISUALIZATION OF TEXTURED SAMPLES

Using our innovative Envision algorithms allows users to display spectral color on a library of textured substrates to achieve the highest level of visual assessment. Now users can judge the appearance of a single spectral color on multiple substrates under multiple illuminants. Design tools for color harmony and palette creation extend color communication from designer to supplier.

CONFIGURABLE USER INTERFACE

Personalize the layout, data views, and functions to the needs of your operation with a few simple clicks of your mouse. This configurability means that Datacolor TOOLS 2.0 will work the way you do.
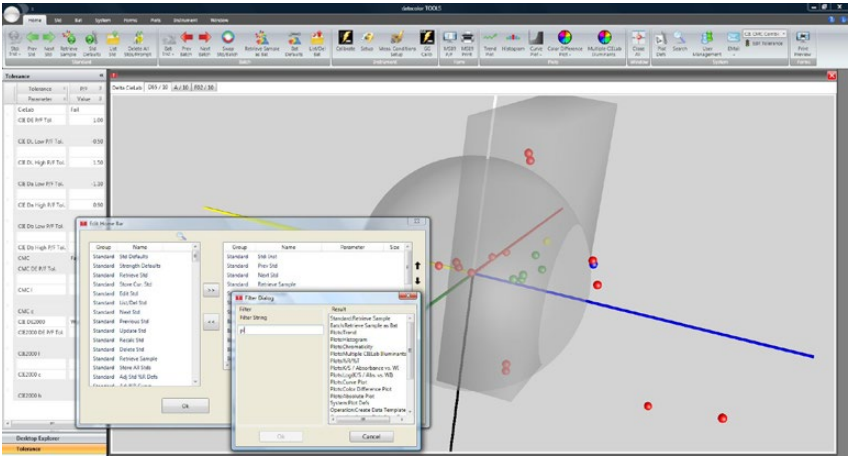

STATE OF THE ART TOLERANCING

Datacolor TOOLS 2.0 offers the most extensive range of tolerancing options available in any color QC software. The unique "Datacolor Tolerance" links instrumental measurements to visual assessment and multi-illuminant color constancy plots add an entirely new dimension to color control.

DATACOLOR QTX PROTOCOL – THE INDUSTRY STANDARD

For years, companies communicating critical color data throughout their supply chains have relied on the Datacolor QTX protocol. Datacolor Tools 2.0 continues to support this open standard. No other format is as flexible, easy-to-use, and as widely adapted as the QTX format. Datacolor continues to work in close collaboration with its global customers to ensure that the QTX protocol is continually enhanced and enriched to meet the evolving needs of our customers.

INTERACTIVE GRAPHICAL PLOTS

An all new, interactive graphics module enables simple, efficient, and detailed data analysis. Users can view data graphically against the correct tolerances without searching through menus. Each graph type is interactive allowing the user to change data points, illuminants, zoom, orientation, and 2D or 3D views. When a data point is selected all other elements in the software are highlighted.
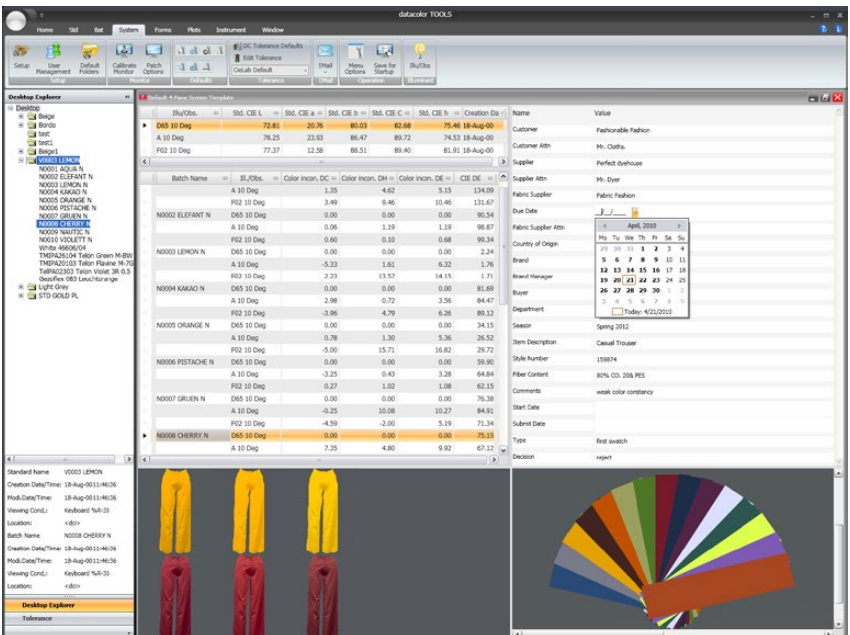

FULL BACKWARD COMPATIBILITY

Users of previous versions of Datacolor TOOLS will be pleased by the ability to upgrade to Datacolor TOOLS 2.0 with little disruption to their operation. Previous versions of Datacolor Tools are widely used in many industry supply chains and by users who are familiar with the workflow and procedures of these older systems. Existing users will quickly want to use the new smart graphics, Desktop Explorer, and spectral visualization of textured substrates. This means you can upgrade to industry leading Datacolor Tools 2.0 software with little disruption to your operation.

ROBUST, POWERFUL, AND RELIABLE DATABASE

Based on the industry leading Sybase database, Datacolor TOOLS 2.0 provides referential integrity, flexible data access throughout the enterprise, and fast performance for even very large databases. This means that your data is safe and available to whoever needs it in your company.

DESIGN LINK TO ADOBE SOFTWARE

The Datacolor TOOLS 2.0 Design Link feature closes the gap between accurate, reflectance-based color data and Adobe .ACO and .ASE files. Designers can easily import and use the same color data that suppliers are using. This means that you can achieve seamless and accurate color communication throughout the supply chain.

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SMART COLOR QC ANALYSIS, VISUALIZATION AND COMMUNICATION

ILLUMINANTS / OBSERVERS

All industry used standard Illuminants in CIE Standard Observers 2° and 10°.

COLOR / COLOR DIFFERENCES SCALES

Absolute and Delta values, dE for all major color difference formulas, incl. CIELab 94, CIEDE2000, DIN99, and M&S 89. Absolute values, Delta values for all major color coordinates. Comprehensive selection of verbal color difference descriptors.

STATISTICAL QUALITY ANALYSIS

Mean average on any data field. Standard deviation on any data field. Real time trend plots with tolerances. Histograms with tolerances.

PROCEDURES

Allow any QC task to be automated by using screen prompts, buttons and commands. This provides step-by-step guidance for system operators. Display of real sample textures as Color Patch.

PASS/FAIL TOLERANCES

For all above color scales in general for dE and individual for dL*, da*, db*, dC, dH, du, dv; low and high. Automatic artificial intelligence (AI) based Pass/Fail tolerances, generic tolerances. Datacolor Pass/Fail tolerance formula with individual color or substrate independent blocks.

PLOTS

Scalable %R, K/S, log K/S versus wavelength. Plots to support all tolerances.
3 Illuminant CIE Lab plot.

INDUSTRY-SPECIFIC INDICES

Color Inconstancy and Density. Comprehensive whiteness and yellowness indices and Haze. ISO/AATCC Gray scales.

WORK FLOW	Design	Photo	Cosmetics	Packaging	Ink	Home Entertainment	Automotive	Plastics	Paint & Coatings	Textile	Retail Paint
Create/Design											
Specify											
Formulate and Produce											
Quality Control			▬	▬	▬		▬	▬	▬	▬	

For more information, please visit **www.datacolor.com**

RECOMMENDED STANDALONE SYSTEM REQUIREMENTS

Pentium IV at 2.4 GHz; 4 GB RAM; 120 GB HDD; 21" Monitor at 1280x1024 resolution; 128 MB true graphics card; CD drive; USB/Serial Port; Windows 7 pro (32 and 64-bit Version), Windows 8 Pro (32 and 64-bit Version)

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