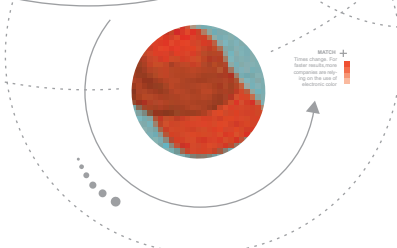
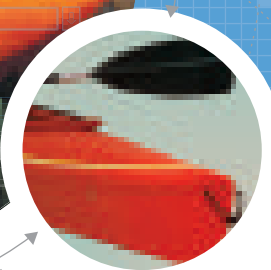


www.datacolor.com



UNSURPASSED QUALITY CONTROL

Intelligent color
management

user-friendly interface

Control that lets you – not the software – manage the entire supply chain of color production.

User-Friendly Color Control from Start to Finish

Controlling and managing the outcome of color from start to finish can be a challenge. Datacolor TOOLS™ sets the standard in all industries for superior, comprehensive color quality control (QC). A Windows®-driven, graphics-oriented application, Datacolor TOOLS™ helps you to:

- ❖ Easily create color measurement files
- ❖ Set up Pass/Fail criteria
- ❖ Share data with other Datacolor SPECTRUM™ products
- ❖ Generate customized reports and forms for unsurpassed color management

Quality and Efficiency Don't Have to be Complicated

Datacolor TOOLS™ offers many easy-to-use features that increase the quality and efficiency of the color control process. Navigation through the software is configurable and uncluttered:

- ❖ Customize screens for viewing data
- ❖ Configure forms for printing data
- ❖ Export data in a variety of formats to other Datacolor SPECTRUM™ installations running anywhere in the world

Tools for Flexibility

Knowing that each company around the globe has individual needs, Datacolor TOOLS™ adapts to the way you work, providing:

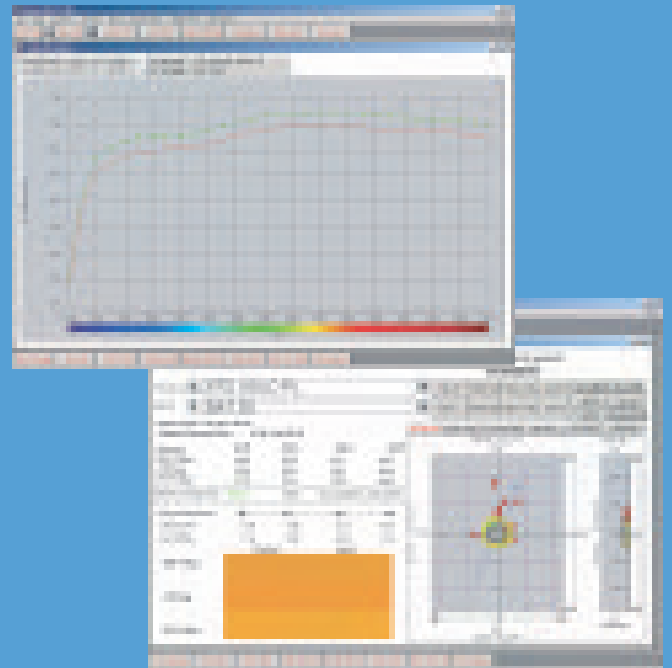
- ❖ A virtual desktop for establishing and easily recalling color standards and associated batches
- ❖ Data sharing to ease the transition from formulation to quality control
- ❖ Advanced storage capabilities with user-defined fields
- ❖ Configurable graphical displays
- ❖ Comprehensive coverage of color industry indices and standards
- ❖ A wide range of standard and customizable reports
- ❖ Statistical quality analysis – mean averages and standard deviations for multiple batch analysis
- ❖ Trend and histogram graphical plots for any data field
- ❖ Pass/Fail analysis on any data field

Tools for Productivity

Datacolor TOOLS™ is designed to guide you through the complicated color control process.

- ❖ Artificial intelligence “tolerancing” reduces the number of sample submissions and rejects
- ❖ “Train” the software to evaluate samples, resulting in faster color approvals
- ❖ Works with a broad range of color measurement instruments
- ❖ You control your process
- ❖ The database can be shared with other Datacolor SPECTRUM™ applications
- ❖ Easy to learn and use:
 - Extensive Help files
 - Detailed operator’s manual
 - Common Windows® features (menus, toolbars and buttons)

Datacolor TOOLS™ operates with all Datacolor instruments and is easily integrated with other Datacolor SPECTRUM™ software products.



Because Color Matters



Datacolor TOOLS™ is part of Datacolor SPECTRUM™, the complete solution for successful global color management. It is an integrated suite of software products, measuring systems, and support services that provide centralized control of the entire color management process. All software in the Datacolor SPECTRUM™ suite can stand alone, but is optimized to operate as an integrated solution for all aspects of color management. This helps companies innovate faster, ensure consistent color quality, reduce the cost of production and accelerate their product's speed to market. Because color matters, leading businesses worldwide choose Datacolor's innovative technology and solutions to consistently achieve the right color.

Datacolor TOOLS™ is best used with:

- ❖ Datacolor MATCH™ – expert color matching software
- ❖ Datacolor ENVISION™ – precise on-screen color simulation software
- ❖ Datacolor SORT™ – intelligent shade sorting software
- ❖ Datacolor TRACK™ – innovative color communication software
- ❖ Datacolor MAESTRO™ – correlates any spectrophotometer to an absolute standard
- ❖ Datacolor CHECK™ – portable, quality control solution
- ❖ Datacolor MONITOR™ – accurate color deviation reporting software

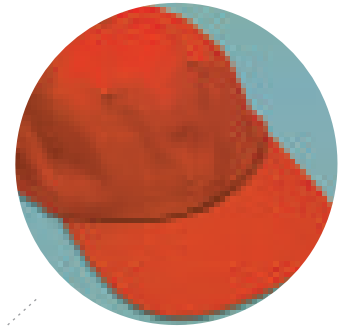


Image courtesy of Datacolor



MATCH +
Click on the MATCH button to match the color of the object to the color of the selected color.



SPECIFICATIONS

ILLUMINANTS / OBSERVERS

Illuminant Types
 A, C, D50, D55, D65, D75, F2 (cool white), F6, F7, F8,
 F10, F11 (TL84), F12 (Ultralume 3000)
 Optional: M&S D65, M&S A, M&S TL84

Observer
 CIE Standard Observers 2° and 10°

COLOR / COLOR DIFFERENCES SCALES

Absolute and Delta values, dE for: CIE Lab, CIE Lab 94, CIE DE2000, DIN99, LCH, Luv, CMC (L:C), HunterLab, GE PQSII
 Optional: M&S 89
 Absolute values, Delta values for: XYZ, Yxz, K/S
 Delta values, dE for: FMC-II
 Plots to support all above color spaces

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.

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 default block and individual configurable blocks (color or substrate independent).

PLOTS

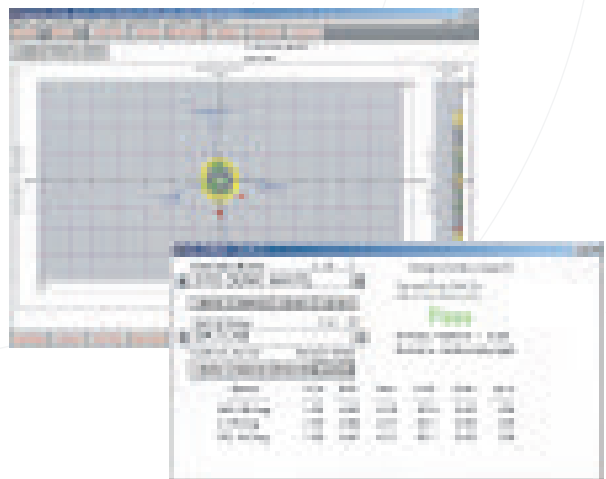
Scalable %R, K/S, log K/S versus wavelength
 Plots to support all tolerances, 3D for AI tolerances.

INDICES

Metamerism (CIE)
 Whiteness (ASTM E313, Berger, CIE, Ganz-Griesser, Stephanson)
 Yellowness (ASTM E313, D1925, DIN6175)
 Brightness (Tappi 525, R457 – UV included and excluded, Delta R457)
 ISO/AATCC Gray scale for color change
 ISO/AATCC Gray scale for staining
 Helmholtz
 Reflectance values
 Color strength
 555 shade sorting (standard and TOC method)
 Harrison Index
 Density indices
 Contrast Ratio (Opacity)
 Color Inconsistency

OPTIONS

M&S 89 Tolerances
 Datacolor MONITOR™
 Datacolor SORT™



Agent or local office stamp in this space

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