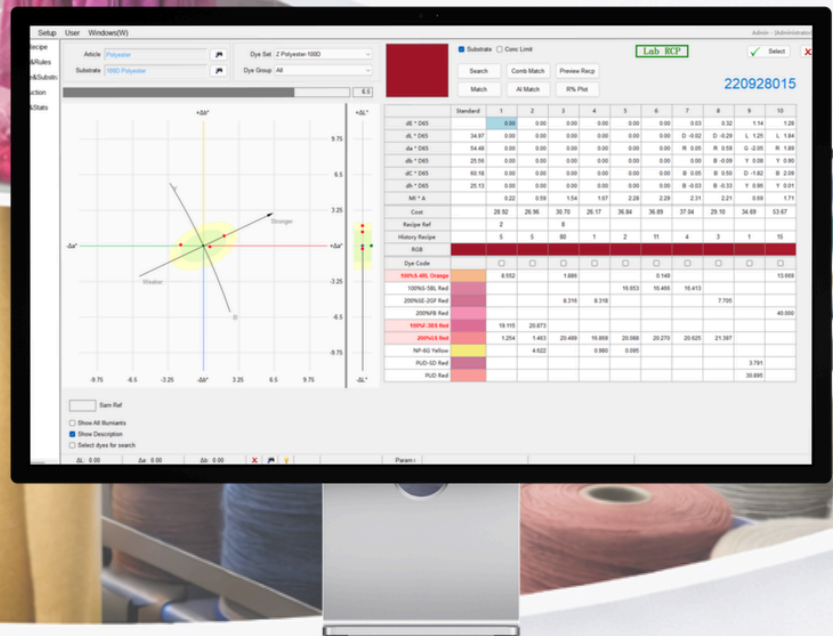


datacolor

Textile Lab Manager



Accelerate Textile Color Development with Intelligent Lab Workflow Automation

Datacolor® Textile Lab Manager is an AI-enabled laboratory color formulation and workflow application designed to modernize textile dye laboratories. It brings together every step of the lab color process, from recipe generation and dispenser execution to measurement validation and ERP synchronization, into one connected workflow. The result is fewer re-dyeing cycles, stronger right-first-time performance, and greater lab throughput without sacrificing color accuracy.

Working alongside Datacolor's color measurement and quality control solutions, Datacolor Textile Lab Manager creates a single connected environment for laboratory formulation, validation, and production preparation, enabling teams to standardize processes, minimize costly trial-and-error, and move colors from lab to bulk production with greater confidence.

Designed for

Datacolor Textile Lab Manager is designed for textile dye laboratories managing color development at any scale, from high-volume production mills to smaller specialty operations. Typical users include lab managers, dye technicians, and production planners responsible for hitting color accuracy targets efficiently and consistently.

Faster Lab Development Throughput



AI-driven recipe prediction and automated job queuing allow your team to process more work in less time. By reducing the manual steps between receiving an order and producing a result, labs can increase daily throughput without adding headcount or sacrificing accuracy.

Reduced Rework & Dye Waste



Real-time validation, automated auxiliary recommendations, and intelligent recipe correction catch issues before they become physical failures. Fewer failed trials means less dye consumed, less water wasted, and fewer costly rounds of rework eating into your margins.

Operational Visibility



Queue-based job management gives lab managers a live view of task status, technician workload, and overall performance across the lab. With built-in reporting and efficiency statistics, you always know where jobs stand and where there is room to improve.

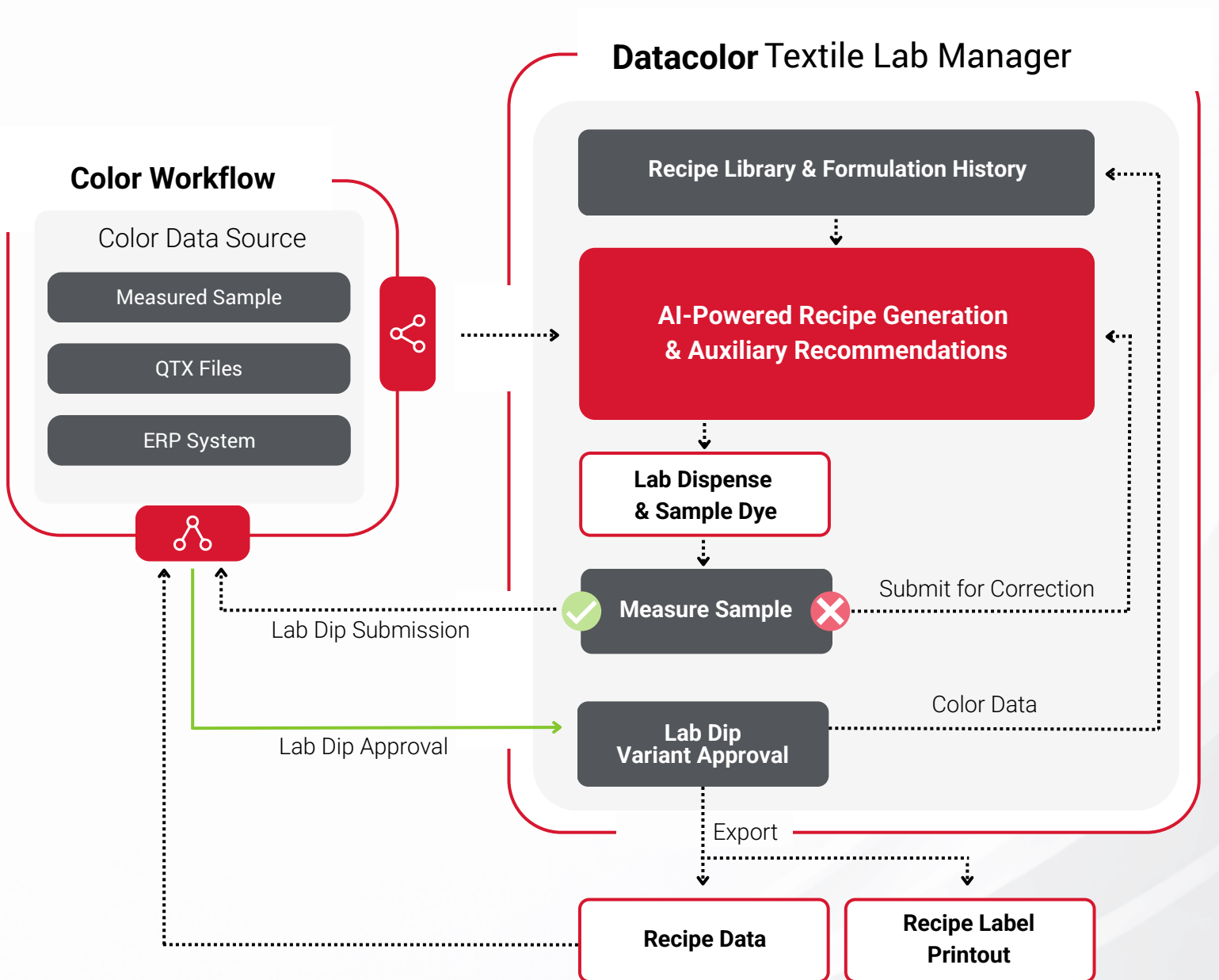
Seamless System Integration



Bidirectional ERP connectivity and native lab dispenser compatibility keep color data flowing consistently across your business without manual re-entry. One connected workflow from order intake to recipe export means less friction and fewer errors at every handoff.

An End-to-End Intelligent Dye Lab Workflow

Datacolor Textile Lab Manager connects digital color standards, recipe recommendations, dispenser execution, measurement validation, and ERP synchronization into one continuous digital loop. This integrated workflow reduces manual intervention, improves recipe accuracy, and accelerates approval cycles from lab dip to production readiness.



Measurable Performance Gains Across Lab Operations

Datacolor Textile Lab Manager delivers consistent, quantifiable improvements in laboratory throughput, recipe accuracy, and operational efficiency, validated by textile dye labs running the platform in production environments worldwide.

+30% Improved Lab Throughput*

By automating job assignment, recipe generation, and auxiliary recommendations, Datacolor Textile Lab Manager removes the manual steps that slow lab teams down. Technicians spend less time on administrative tasks and more time executing, allowing laboratories to process significantly more lab dips per day without increasing headcount or compromising color accuracy.

60% Fewer Lab Dips Required*

AI-driven recipe prediction draws on historical formulation data to generate optimized starting points, while real-time measurement validation and automated correction reduce the number of physical trials needed to reach an approved result. Fewer rounds mean less dye consumed, less water used, and lower overall cost per development cycle, directly improving both sustainability performance and lab profitability.



ERP
Connectivity



Lab Dispenser
Compatibility



Secure Data
Exchange



Historical Recipe
Intelligence



Role Based
Workflow Control

Software features

Feature		Essentials	Standard
Lab preparation	Configure Calibration sample & Articles, dyestuff, chemicals, colorant set...ad all you need to set your formulation engine	✓	✓
Job Management	Organize and prioritize color development jobs across the lab, assign work to technicians by queue, and track progress from submission to completion in one centralized view.	✓	✓
Recipe Formulation	Automatically search accumulated recipe data to find the closest existing formulation to a new color target, then apply corrections to reach the approved result.	✓	✓
Lab Recipe Correction	Apply color correction at the lab stage with visual coordinate tracking to maintain accuracy when refining a lab dip.	✓	✓
Visual Recipe Adjustment	Fine-tune color coordinates through an interactive visual interface, allowing colorists to see exactly where a sample sits relative to the target and adjust accordingly.	✓	✓
Quality Control	Measure and validate samples against color standards, with pass/fail assessment and tolerance management.	✓	✓
Lab Performance Reporting	Generate insights into lab output and throughput over time, supporting continuous improvement and informed operational decisions.	✓	✓

For more information, please visit www.datacolor.com/textilelabmanager

Software features

Feature		Essentials	Standard
AI-Driven Recipe Matching	An advanced AI-based algorithm that goes beyond standard search and correct matching, generating optimized recipe recommendations from historical formulation data to deliver superior accuracy and fewer physical trials.	–	✓
Rule-Based Chemicals Management	Recommend the appropriate auxiliaries based on dye concentration and substrate conditions, reducing reliance on individual technician judgment.	–	✓
ERP Integration Readiness	Enables bidirectional connectivity with your ERP system, allowing color and recipe data to flow consistently across your business without manual re-entry. Note: this feature enables integration; the ERP connection itself is configured separately.	–	✓
Operators' Statistics Report	Detailed performance reporting at the operator level to monitor technician efficiency and support lab management decisions.	–	✓
Bi-directional link to Dispenser	Export and import recipes directly to connected lab dispensers for automated weighing and dispensing.	.rcp files only	✓

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