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RGBColor	Dyelot ID	Recipe Name	ProdStateText	CombProcess	Machine
	2001-0042	for PRINT	Scheduled	Remazol	Exhaust
	2001-0007	05.58.A/3{1}	Scheduled	Exhaust	Exhaust
	2000-0029	J-R (for print)	Scheduled	Remazol	Exhaust
	aqas	#242	Scheduled	DyStar	Levalix
	2001-0009	05.58.A/3{1}	Scheduled	Exhaust	Astuzan
	kjgjn	#351:00	Scheduled	Remazol	Exhaust
	TVS_2004.02.06	#12	Scheduled	DyStar	Procion
	21441	#242	Generalist needed	DyStar	Levalix
	08-0002	22.06.A/10	Active	DyStar	Levalix
	00015	#138	Active	Remazol	Exhaust
	02-21-01/01		Dyeing finished	Remazol	Exhaust
	02.06.A/10		Dyeing finished	DyStar	Levalix
			Dyeing finished		



MATCH 
 Three change card
 before you start
 comparing color
 to the reference color

SOPHISTICATED PROCESS OPTIMIZATION

Cost-Effective
Operation

maximum productivity

Automatically Optimizes Production Recipes

Datacolor is aware of the complexity of shepherding a color recipe from the laboratory into production. With increasing pressure for smaller production lots, shorter time to market and intricate blends, the only way to optimize time, recipe development and production is to have a broad knowledge base taken directly from dyers themselves.

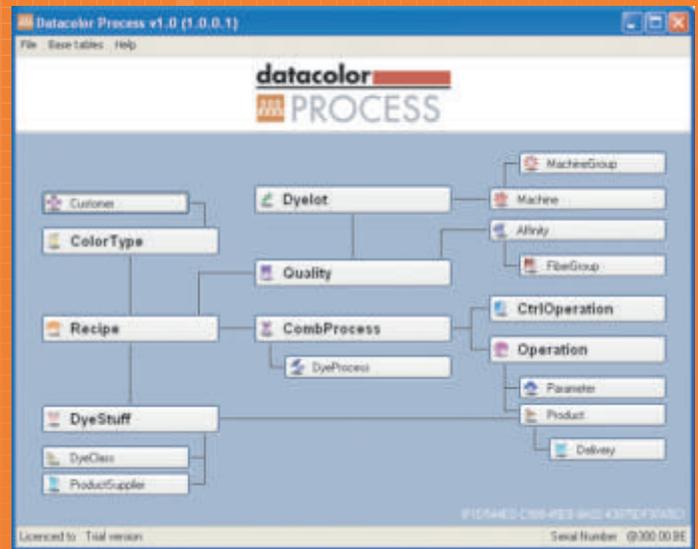
Datacolor PROCESS™ is a unique software solution that uses the knowledge of the experts in your company to help you manage dyeing recipes and processes. It is so effective that you will feel the benefits throughout the dyehouse... all the way to the bottom line.

Understands the Way You Work

Designed by dyers for dyers, Datacolor PROCESS™ is a benefits-rich system that automates every aspect of sophisticated recipe management and optimization. Because it is based on your knowledge about behavior of dyestuffs, auxiliaries, processes, substrates and machines, as well as your customer requirements, it is able to adapt to your specific demands and respond to your organization's unique workflow. Dyeing textiles depends on distinctive factors. You know them; we reflect them – always.

Improves Your Bottom Line

Datacolor PROCESS™ automatically creates or specifies the best production recipe for any color dyed on a specific article and for a particular customer. It can manage hundreds of different production recipes while simultaneously optimizing the recipes by relevant dyeing requirements. As a result, your entire operation will become substantially more efficient and productive, speeding deliveries and tangibly reducing costs.



Intelligent Processing

- ❖ Automatically and immediately shares data among the right applications to improve production planning
- ❖ Optimizes the recipe by using the relevant dyeing requirements for each item
- ❖ Allows dyers to insert all production relevant technical data, such as dyestuff data, auxiliary data, machine data and dyeing process parameters to create complete production recipes with all treatments, dye formulations and after treatments
- ❖ Reduces the average machine cycle times, chemicals, auxiliaries and energy consumption
- ❖ Eliminates human guesswork
- ❖ Integrates other Datacolor SPECTRUM™ products to streamline dataflow and speed analysis and production

Flexibility to Fit Your Needs

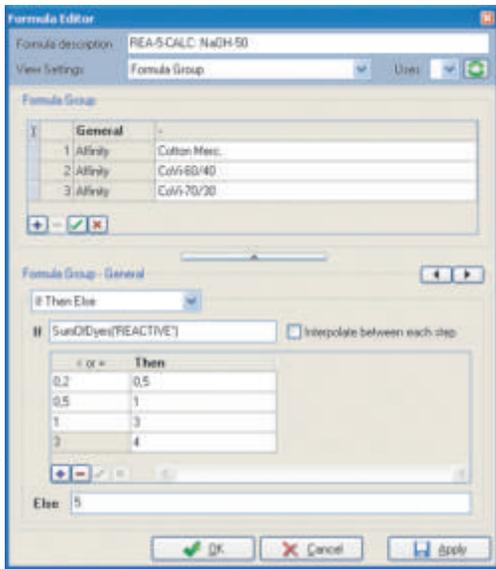
Datacolor PROCESS™ is designed to link with other systems, such as those used by dye machine supervisors, administration (ERP) or automatic dosing, to streamline dataflow and speed up analyses and production. Only Datacolor allows you to choose the degree of integration based on your specific needs.

Datacolor PROCESS™ comes automatically with those functions most requested within the industry. However, the system can be configured to meet your exact requirements. Among the individual options are:

- ❖ A controlled weighing module
- ❖ An enhanced production capacity overview with dual-level planning tools
- ❖ Fully integrated stock control
- ❖ A printing module that helps group complete print designs with all associated recipes

Article Code	Process Name	Production Unit	Comb/Process Name	Conversion	Quality Rate	Machine
2001-0041	2001-0041	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0042	2001-0042	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0043	2001-0043	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0044	2001-0044	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0045	2001-0045	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0046	2001-0046	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0047	2001-0047	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0048	2001-0048	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0049	2001-0049	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0050	2001-0050	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0051	2001-0051	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0052	2001-0052	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0053	2001-0053	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0054	2001-0054	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0055	2001-0055	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0056	2001-0056	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0057	2001-0057	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0058	2001-0058	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0059	2001-0059	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0060	2001-0060	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0061	2001-0061	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0062	2001-0062	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0063	2001-0063	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0064	2001-0064	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0065	2001-0065	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0066	2001-0066	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0067	2001-0067	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0068	2001-0068	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0069	2001-0069	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0070	2001-0070	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0071	2001-0071	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0072	2001-0072	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0073	2001-0073	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0074	2001-0074	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0075	2001-0075	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0076	2001-0076	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0077	2001-0077	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0078	2001-0078	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0079	2001-0079	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0080	2001-0080	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0081	2001-0081	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0082	2001-0082	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0083	2001-0083	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0084	2001-0084	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0085	2001-0085	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0086	2001-0086	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0087	2001-0087	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0088	2001-0088	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0089	2001-0089	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0090	2001-0090	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0091	2001-0091	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0092	2001-0092	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0093	2001-0093	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0094	2001-0094	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0095	2001-0095	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0096	2001-0096	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0097	2001-0097	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0098	2001-0098	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0099	2001-0099	Scheduled	Pre-treated substrate	100	10000	JET100
2001-0100	2001-0100	Scheduled	Pre-treated substrate	100	10000	JET100

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Noticeable Results Throughout the Dyehouse

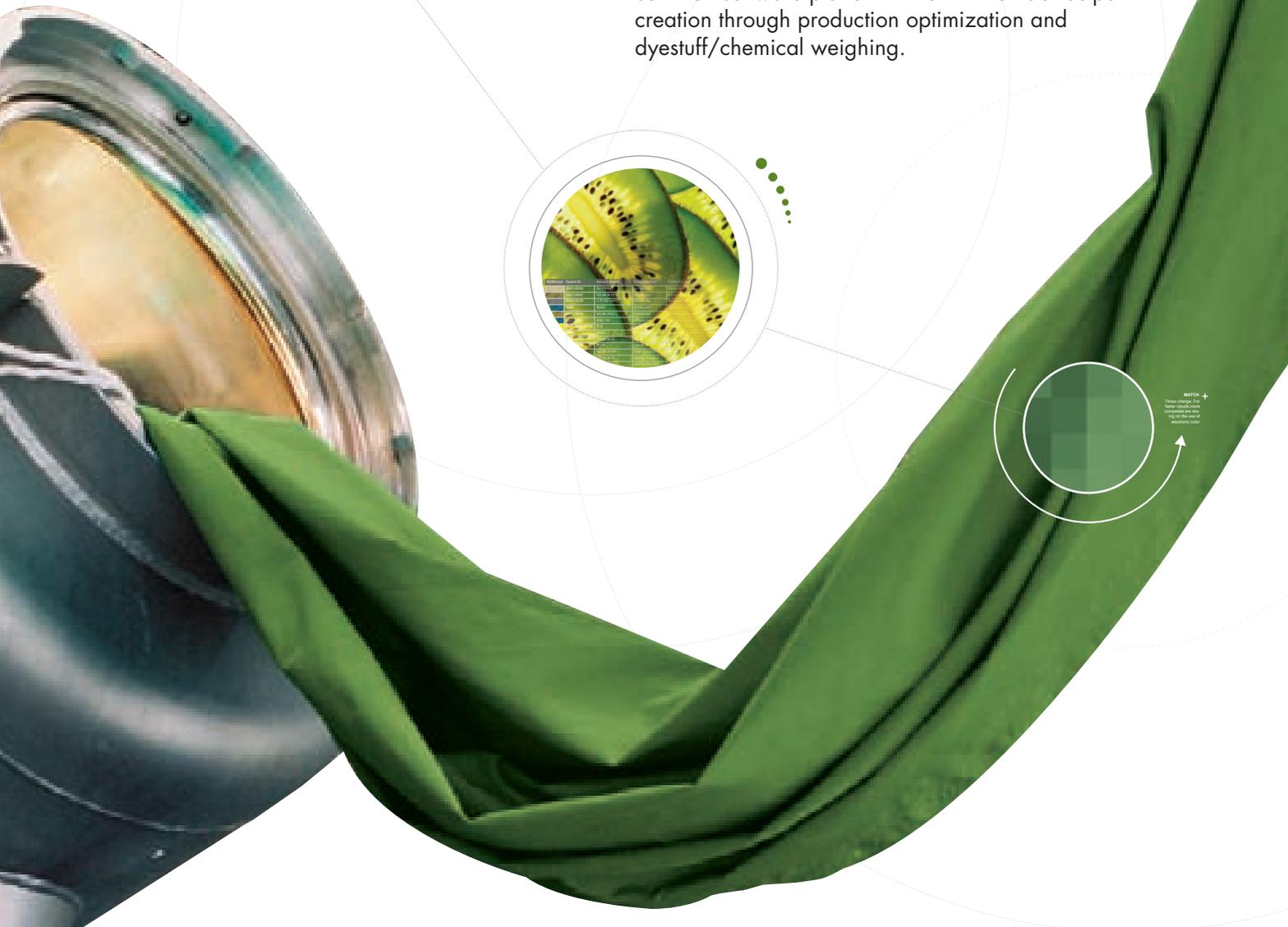
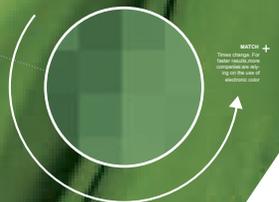
Datacolor PROCESS™ is a leader in recipe management and optimization software. Here are some of the reasons why:

- ❖ Reduces production costs through fully automated optimization process
- ❖ Incorporates dyer expertise, resulting in quality improvements and greater efficiencies
- ❖ Improves planning and production cost analysis capabilities through total dyelot duration and individual cost calculation
- ❖ Avoids dyeing errors through automated process creation with correct product combinations
- ❖ Offers flexible and adaptive software to fit the requirements of your dyehouse
- ❖ Easy-to-use software accommodates dyers needs
- ❖ Shares database that is automatically integrated with other Datacolor SPECTRUM™ products
- ❖ Automated usage of your dyeing know-how

Because Color Matters



Datacolor PROCESS™ is part of Datacolor SPECTRUM™, the complete solution for successful global color management. Datacolor Process is designed to work seamlessly with Datacolor MATCH™ and Datacolor WEIGH™ to handle the entire textile production process from one common software platform – from initial lab recipe creation through production optimization and dyestuff/chemical weighing.





With its unique features, Datacolor PROCESS™ serves as the production recipe management and optimization package for all textile dyeing applications. The fully functional management software offers a range of optional modules to meet virtually any individual requirements.

FEATURES

Dyestuff data management

- ❖ Input of fiber groups and affinities
- ❖ Automatic creation of dyestuff names
- ❖ Dyestuff exchange

Quality/Style management

- ❖ Input of fiber groups and affinities
- ❖ Input of blends
- ❖ Input of all quality specific parameters/auxiliaries for dyeing behavior
- ❖ List and display of all customer or quality-specific colors and standards

Color management

- ❖ List of all recipes and dyelots per color

Customer management

- ❖ Input of customer data
- ❖ Customer-specific standard labeling with specific name

Recipe and Process management

- ❖ Input of complete production recipes, incl. specific recipe information
- ❖ Pass/Fail results of recipes to the standard can be displayed on recipe card
- ❖ Storage of recipe status (theoretical, laboratory, production)
- ❖ Printout of lab recipes, simple production recipes and complete production process
- ❖ Recipe search via different search criteria
- ❖ Automatic recipe update upon dyestuff concentration changes
- ❖ Specific information like finishing type, preparation type, technical specification and "to do" date for generation of dyeing process
- ❖ Creation of modular production recipes including process handling for single treatments and multiple treatments
- ❖ Handling of exhaust, continuous and semi-continuous processes
- ❖ Specific linked processes for production adds and re-dyes
- ❖ Automatic process selection through defined rules
- ❖ "If-then-else" rules that vary according to dyestuff amounts in the recipe, the affinity or dyeing machine group
- ❖ Recipe evaluation based on product costs
- ❖ Tank number and volume can be calculated, depending on total volume (Pad-batch)

Production management

- ❖ Batch ticketing: simple or advanced with additional information
- ❖ Input and list of defined dyeing lots
- ❖ Calculation of chemical /dye quantities for the dye kitchen
- ❖ Output of simple production lots (simple batch ticket)
- ❖ Output of production adds (production ticket) with additional technical information
- ❖ Category creation of qualities/styles and customer
- ❖ Machine management with min/max machine load, liquor ratio, etc.
- ❖ Choice of dyeing machine with min/max control of machine capacity, liquor ratio, pickup etc.
- ❖ Input of delivery and required date
- ❖ Display of Pass/Fail results in the dyelot card
- ❖ Sorting of production lots
- ❖ History of production lots and production adds

Cost analysis (recipes and processes)

- ❖ Cost calculation of lab recipes
- ❖ Production cost calculation incl. dyestuffs and chemicals
- ❖ Cost comparison of different processes/cost optimization
- ❖ History of production cost

OPTIONAL MODULES THAT EXPAND DATACOLOR PROCESS CAPABILITIES TO MEET INDIVIDUAL NEEDS:

Basic level inventory module

- ❖ Definition of specific stock conditions (minimum and optimum amount, drum capacity) for each product and for lists of products below minimum quantity
- ❖ Automatic product quantity update for those production batches marked as finished, incl. low stock alert
- ❖ Display of added, used and adjusted quantities
- ❖ Display of all dyelots by specific product
- ❖ Report of stock value with current price and predefined consumption reports

Advanced inventory module

- ❖ Manages all reservations, deliveries and orders, with the ability to accommodate variations in product strength and price delivery

Customized form editor module

- ❖ Report Explorer for creation and customization of reports, including:
 - ▶ Production card customization
 - ▶ Report creation using a "wizard," e.g. list of dyelots by machine and with additions per month; list of recipes using specific dyestuffs
- ❖ User-friendly tool for creation and modification of record lists, e.g. all products below stock minimum
- ❖ Export of generated report lists into text files

Dyeorder module

- ❖ Groups or splits dyelots that are dyed using the same recipe, for maximum machine capacity usage

Advanced formula/rules module expands the automated optimization functionality

- ❖ Control of dyestuff combinability
- ❖ New bath generation for continuous dyeing corrections
- ❖ Display of total forecasted process time in temperature/time diagrams
- ❖ Introduction of batch parameters and adaptation of chemicals and parameters
- ❖ Calculation/optimization of production cost for different dyestuff, chemicals and machine operation choice
- ❖ Optimization of chemicals, parameters and dyestuff quantities upon a large choice of conditions, e.g. concentration, customer, machine, LR, etc.

Graphical Planboard

- ❖ Fully integrated with Datacolor PROCESS™
- ❖ Visual overview of machine load
- ❖ Immediate visibility of planned, active and finished dyelots
- ❖ Dyelots are represented graphically by the target color
- ❖ Plan dyelots on any machine with verification for machine suitability
- ❖ "Drag and drop" functions easily move a dyelot from one machine to another

Advanced scheduler

- ❖ In addition to the planboard, the scheduler allows time forecasts of the dyehouse *(requires advanced formula module)
- ❖ Real-time dyelot display
- ❖ Automated planning after creation of dyelots in Datacolor PROCESS™
- ❖ Incorporation of offline times
- ❖ Regeneration of dyelots that have been moved to another machine

Printing Module

- ❖ Grouping of all relevant printing recipes to be kept as one design

System Requirements

Pentium® IV (no Celeron®), at 1.9 GHz, 512 MB RAM, 2GB, resolution 1024 x 768, 64 MB true color graphic card, serial port for spectrophotometer, CD-ROM drive, Windows® 2000 pro, XP® pro

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