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Durst Textile Workflow System

The Durst Textile Workflow System makes the job of creating, editing, managing, and printing digital textiles fast and easy, while providing the advanced tools to allow for expert control of each step. Textile image editing tools, workflow modules, cloud functions and web-to-print are combined to provide the fastest and most effective digital textile process available.

Durst Textile Workflow System
Textile file preparation, management, and printing in a simpley way

The Durst Textile Workflow System provides an integrated solution to combine all phases of textile file preparation, fabric color management, and printing configuration, into a seamless workflow, producing optimal results in the shortest time, with the least effort. Go from a roll of unknown fabric, to color managed output with any number of ink types and color configurations, in less time than you ever thought possible.

The Simplicity and Efficiency of DurstRGB
DurstRGB offers the optimal colorspace for digital textile design and output. It encompasses the color range of digital textile printers with a broad array of ink types and ink colors, to assure you can reach the maximum color capability of your printer, ink, and fabric every time. DurstRGB captures printer colors in the cyans, yellows, and even reds that are missing in AdobeRGB, and an even wider range of colors out-of-gamut in sRGB. DurstRGB is compatible with Adobe Creative Cloud™ applications for design work in Photoshop™ or Illustrator™, as well as other color-managed applications, including AVA+Materialize™.

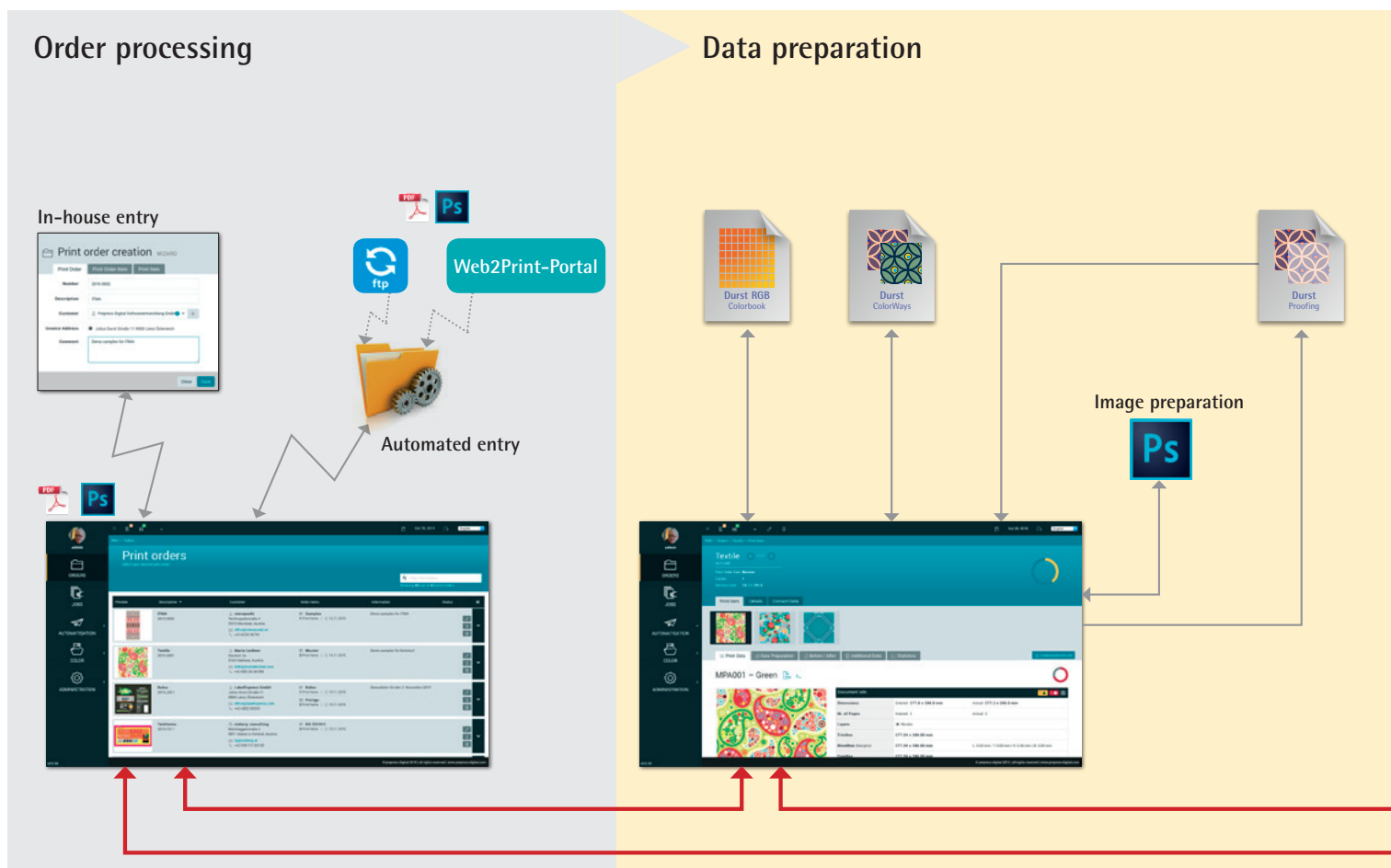### The Convenience of Durst's PDF and Web-to-Print Workflow
Durst Textile Workflow System specializes in handling PDFs. In addition to image formats like TIFF, users can choose to save and process files as PDFs, simplifying the print process and avoiding possible errors that non-PDF workflows won't catch. While useful in all cases, this is particularly important when using Durst's Web-to-Print workflow, allowing customers to place their own print jobs remotely via the web, in PDF format.

Color Selection Made Easy with Durst RGB Colorbooks
The DurstRGB Colorbook defines global colors that can be selected in advance. All colors in the Durst Colorbook are defined as simple Durst RGB values, which can be communicated and replicated in any color-managed application. DurstRGB Colorbooks printed with your specific printer, inks, and fabric will also show specific gamut limit warnings and media effects.

Easy and Advanced Spot Color and Tiling Capabilities
The Durst Textile Workflow System offers integrated spot color and tiling functions, plus optional advanced textile colorways and tiling options. Those with advanced tiling and colorways needs have the ability to seamlessly merge the most complex patterns, and create flawless separations to as many color channels as desired to perform colorways re-coloration quickly and easily.

Order processing — Data preparation

- Manual and automated entry of print orders
- Quick entry for small print orders
- Automatic execution of initial testing
- Automatically generated readable error reports
- Automatic calculation of ink costs for a design and order
- Visualization of printing feasibility for special colors
- Setting and viewing status information of the order

- Automatic checking of technical printing aspects
- Detailed checking of PDF and image data
- Execution of global corrections: size, fonts, colors, white and cut contour
- Execution of simple corrections (using the Illustrator plug-in)
- Automated expenditure logging
- Create and print Colorbooks, repeating tiles and ColorWays
- Printing Proofs and matching colors visually
- Approval of the printing order for production

Convenient Measurement with the Durst Chroma™ Wireless Spectro

Durst is introducing a new cordless handheld spectrophotometer, which is fully integrated into its Textile Workflow System. The Durst Chroma™ will be a must-have tool, offering printer quality and consistency check functions, as well as textile color measurement capabilities. It has been designed to produce blazingly fast custom profiles for any textile and inkset. It can also be used with the Durst Electro-Static Table for reading of larger measurement sets.

The Durst Chroma™ Spectro communicates cordlessly via Wifi. Take measurements on the printer, and send the data back to your workstation automatically, with wireless convenience. Recharge your spectro wirelessly on the electro-static table for constant fully-charged availability.

The Durst Color Cloud is the Fastest Route from New Fabric to Accurate Output

The Durst Color Cloud Library contains matched sets of calibration and profile data for a wide range of media types, and always provides the correct calibration for any profile selected.
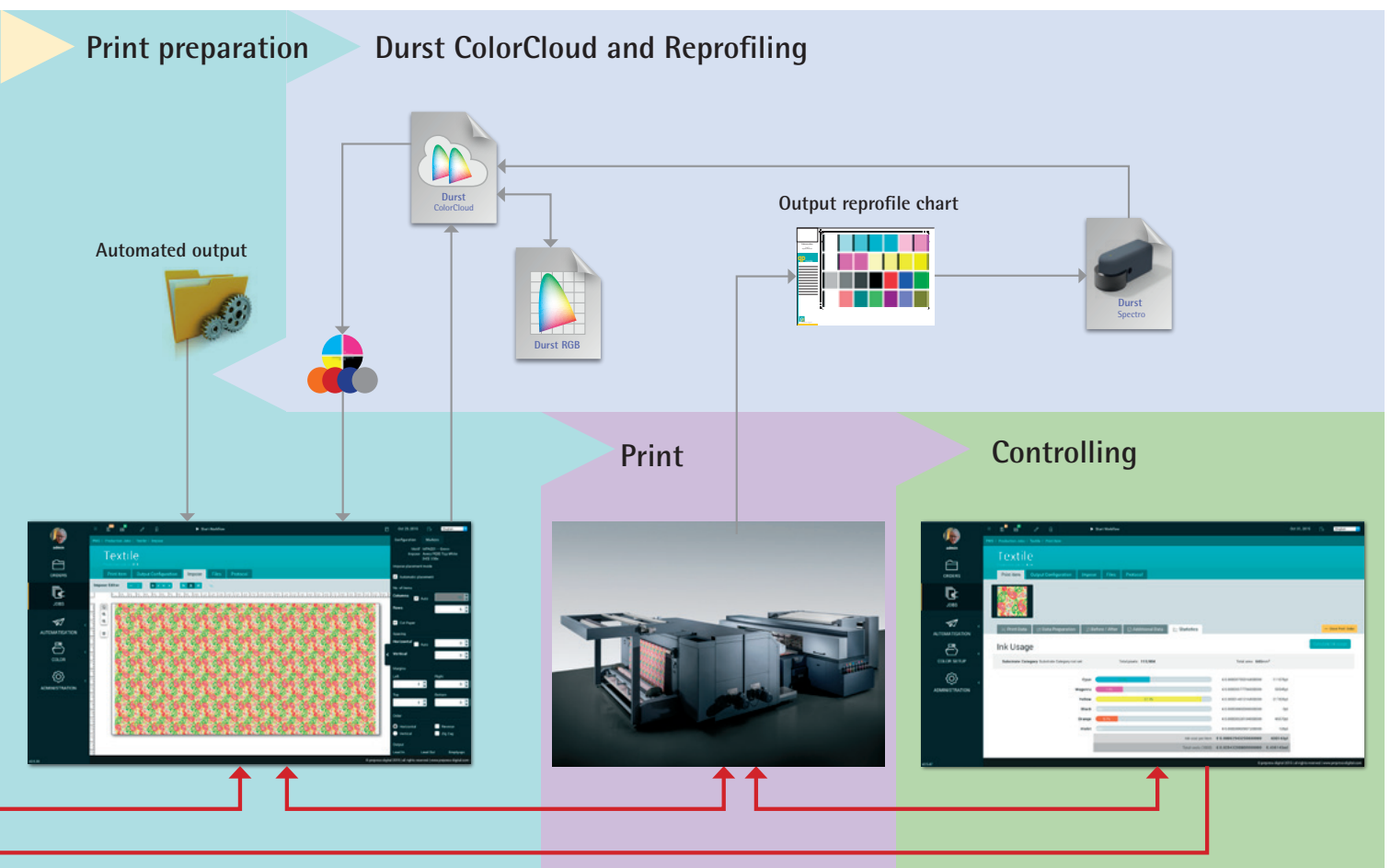
Multiple calibration and profile choices can be tried instantly, and the best option selected, or further refined from Durst's 26 Patch Reprofiling function. As the Durst Color Cloud Library grows, the number of available media types available will make first-try configuration even easier.

Quick Printing When You Need It

Printing should be the easy part of the process, and with the Durst Textile Workflow System it is; printing a file is as simple as dropping it on a hot folder, or linking a printer to a Virtual Printer Queue. Durst's machine-side operator controls take care of the rest.

Easy Tools for Organizing Your Printers and Settings

Durst's Virtual Printer solution provides as many preconfigured combinations of printer, ink type, ink colors, calibration and profile as needed, to allow files to be processed and ripped to the right settings every time. Once a printer has been configured, it can be selected to process any number of files, to be stored for later use as well as sent directly to the printer.

Print preparation — Durst ColorCloud and Reprofiling — Print — Controlling

- Load a default ICC profile from the Durst Cloud and create a reprofiled ICC profile in one step
- Creation of high quality substrate profiles
- Creation of production orders
- Reduction of costs through intelligent profile selection
- Automated output for recurring jobs
- Starting the rendering process
- Automated expenditure logging

- Transfer of print parameters from print preparation
- Setting the printer preselection
- Logging printing-, purging and maintenance-times,
- Automated expenditure entry (times, materials and inks)

- Evaluations for each order
- Daily evaluations for each machine
- Daily evaluations for each user
- Monthly evaluations
- Reading out of machine data
- Ink consumption
- Material cost

Chroma Spectrometer
Technical Data

Measuring modes:
- Reflectance spot color
- Reflectance strip scanning with automatic patch detection (linearization, profiling),

Measurement: manual

Positioning: manual

Measuring aperture: 6 mm diameter

Patch size: 30 x 30 mm recommended

Scanning speed: max. 100 meas./sec

Geometry: 45:0

Physical illumination:
3 point circumferential,
7 LED-chip D50 illumination

ISO 13655-2009 measuring mode M1 and additional M0, M2 (UVcut)

Measuring sensor: diffraction grating with diode array

Spectral range: 380–750 nm

Spectral resolution: <2 nm

Optical resolution: approx. 10 nm

Calibration: automatic with internal white reference

Short term repeatability: < 0,2 ΔE00 on white

Inter-instrument agreement: 0,5 ΔE00 average, 1,0 ΔE00 max., on BCRA Series II tiles

WiFi Port: 2,4 GHz IEEE 802.11b/g/n (2,4GHz only)
Open, WEP, WPA, WPA2 Security FCC (USA), IC (Canada), CE (Europe), MIC (Japan), KCC (South Korea) Certified

Battery: Li-Ion accumulator (2 hours continuous measurement)

Interface: WiFi or USB

Dimensions Chroma: 150 x 72 x 65 mm (LxWxH)

Dimensions Electrostatic sample holder: 520 x 520 mm

Weight: 0,5 kg

System requirements:
- Microsoft Windows XP or later (32 and 64 bit)
- Mac OS X 10.5 or later (Intel)

Accessories:
- 110–240 Volt Inductive charging station with international adapters
- Optional: Electrostatic sample holder
- USB cable

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The latest technical developments are constantly being incorporated into Durst products. Descriptions, illustrations and specifications are therefore subject to change without notice.

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