DURST SOFTWARE ECOSYSTEM

- DURST WORKFLOW PRINT
- DURST WORKFLOW PLUS
- DURST SMART SHOP PLUS
- DURST SMART SHOP
- DURST ANALYTICS
- DURST ANALYTICS PLUS
DURST WORKFLOW — A REVOLUTIONARY ALL-IN-ONE SOLUTION FOR THE PREPRESS AND PRODUCTION PROCESS

ONLINE AND EVERYWHERE

> Browser-based solution combining data preparation, output preparation and color management to ensure high quality production in the shortest possible time.
> Modern and easy-to-use interface allows multiple users with customizable permissions to work in parallel on the same database.

EASY DATA MANAGEMENT

> Structured management of projects, orders and production jobs including a digital production card.
> Automatic preflight generates print ready files, including ink consumption for each print file.
> Specific status can be assigned to print data, orders and production jobs, which allowing tracking of production.

ACCURATE AND CONSISTENT COLORS

> Color matching toolbox for spot colors and applying color corrections based on color books, grid charts, customer specific libraries and supporting CxF
> Easy management of customized color libraries and customer specific spot colors.

PROVEN TECHNOLOGY

> High quality printing with clean, solid colors, neutral grey axis and individual defined black point, precise color adjustment and control.

INTEGRATION

> Durst Workflow can be integrated into the leading ERP/MIS environment to synchronize production and financial data.
> Integration allows users to automate print job creation and sending all job relevant data from an ERP system to the Durst Workflow.

PARALLEL RIPPING

> The integrated Harlequin RIP is optimized for parallel processing of multiple production jobs.
> Intelligent PDF analysis to improve ripping speed.
USING DURST WORKFLOW

Durst Workflow is a browser-based prepress and print production solution combining data preparation, color management and output preparation to ensure efficient production with optimal results in the shortest possible time.

CHECK IN PROCESS

A preflight checks all print data for printing suitability. The rules can be individually adapted for specific processes. In order to provide a basis for production decisions regarding ink consumption, ink costs can be calculated after the check-in process for individual print files.

DATA HANDLING/PREPRESS

Specific status can be assigned to print data, orders and production jobs, which allows production progress to be tracked. If errors or warnings occur during preflight or production process, they are visualized in an easily-understandable manner. In order to be able to carry out the daily prepress work directly in the Durst Workflow, over 100 corrections are made available to the user. These include resizing and calculating distortions, spot color adjustment, creating cutting information, creating white or varnish forms, controlling overprint behavior, converting fonts to paths, rotating or mirroring print data, controlling the definition of black, and trimming print data based on the cut line to minimize ink consumption. The corrections can be adapted and extended by the user.

The creation and rendering of variable data can be handled by the user directly in the Durst Workflow. Content such as serial numbers, color areas, image data, bar codes and QR codes can be designed and applied using Durst’s Adobe Illustrator Plug-In. Once processing is complete, individual print approvals can be created and sent to the customer. In the Durst Workflow, the emphasis is placed on the structured management of orders, print data and substrates. The substrate profiling must be carried out for every material and print combination for optimal print quality. During profiling, maximum flexibility is offered for black composition, color reduction, precise spot color calculation and optimum use of additional colors.

PRODUCTION JOB

After production job creation, assignment of materials and precise color profiles, the final imposition can be realized. Impose modes such as manual, step and repeat, nesting, tiling and ganging are provided in the Durst Workflow. Templates can be fully customized which ultimately reduces time needed to test and adjust die forms, creating an efficient and streamlined workflow. Once assembly has been completed, the job is ready for printing. The integrated Harlequin RIP is optimized for parallel processing of multiple production jobs and of adapted dither algorithms from different printing systems.

For more Information visit durst-group.com/dps
Get the maximum out of the printer!
Simplify production, customize processes and bring your productivity to a new level.
DURST WORKFLOW PRINT — HIGHLIGHTS

PREFLIGHT
After uploading, print data is checked for errors or critical production problems using Durst’s prefabricated controlling profile. If other factors are to be checked, they can also be activated in the preflight profile. Warnings and errors are displayed to the user in a clear, legible form.

IMPOSER
In order to adapt to the production process and minimize material waste, impositions must be created in an optimized form. Depending on the process, step and repeat, nesting, tiling as well as manual imposition modes can be selected. An imposition can be created directly in the browser and the ability to create and save custom templates is also a feature.

PROFILE — INK SAVING
Sophisticated options are available for optimizing the ink-application or for controlling the black build-up and the grey axis, which can be used for profile calculation. Different profiles can be created for one set of measurement data, which can be used in production depending on the subject. A reduction of up to 20% can be achieved quickly and realistically.
A complete solution for flexible and productive data preparation with personalized analysis of your print data.
DURST WORKFLOW PLUS — HIGHLIGHTS

APPROVAL REPORT

The user can create an approval report and send it to the customer or use it internally in the company. Behind the report is an Adobe InDesign template and the user can define his own layout and which information should be shown. The user can create and manage customer-specific reports. There is also the possibility to create an ink consumption report.

DATA PREPARATION

The solutions enables the user to create and manage print data exclusively in the browser without using other programs by providing more than 100 corrections (fix-ups). Changing sizes, creating dies, adding additional bleeds as well as white or lacquer forms and processing spot colors are the core working steps. It is also possible to create and upload your own customer-specific fixups at any time.

INK CONSUMPTION

When print data is uploaded, a complete check and normalization of the data, which can be configured by the user, as well as calculation of ink consumption for the print file is carried out. Whether the production is cheaper only with CMYK or with the use of the additional light or process colors can be calculated immediately. The essential factor, ink price, is hence immediately available in the system.
# DURST WORKFLOW VERSION

## Color Management
- Profiling, adaptation of the ink application to printer and material in order to output an image true to color
  - Pre-Linearization | Linearization | Ink Limit | Profiling
  - Reprofiling | Profiling Templates

## Color Matching
- Color customization of a template or customer request without changing the profile or the original file
  - Manually | Measuring | Substrate Mapping | Customer Mapping

## Color Corrections
- Application of additional color corrections for output
  - Adapt Color During Output | Image and Curve-based | Substrate Specific | Job Specific

## User Management
- User Administration to control access and viewing rights
  - User | Roles

## Multi User
- Multiple users can access and work on the workflow at the same time via their browser
  - Up to 3 users can work in parallel

## Filter and Search
- Criteria-based filtering and searching of content/lists
  - Customized Filter for Listings

## Hotfolder
- The starting point for automated uploads, print data preparation (fixups) and output
  - Supported Fileformats: PDF | AI | JPG | TIF | Support for Imposition Color Correction

## Production Job
- Print preparation with impose and Colorimetric output
  - Create | Force Print | Impose | Send to Printer

## Preflight
- Automated analysis of print data with reports (warning and error)
  - Print Item View | Highlight Errors

## Print Statistic
- Information for the Printed Production Job
  - sqm | Quantity | Time | Operator | Ink Consumption

## Impose
- The creation of assemblies of single-varieties and mixed forms
  - Manual | Step and Repeat | Nesting | Tiling

## Status
- Manual and automated tracking of processing steps and production status
  - Production Job | Article | Order | Print Item | Production Job

## XML-Hotfolder
- The starting point for automated uploads, print data preparation (fixups) and output
  - Support for XML: Create Production Jobs based on XML

## Customer
- Store Company and Customer Information
  - General Data | Contacts | Addresses | Orders

## Article
- Flexible and extended print data storage for managing products, projects and customer data
  - Collection | Process Steps | Tagging | Lock | Set as Unavailable

## Order
- Management of print data in customer orders
  - Managing Order | Order Item | Print Item and Additional Data | Digital Job Folder
### Data Preparation
- Segment-specific corrections for print data preparation
- 100 Fixups | Segment Specific Pre-defined Sets | Configurable Upload | Apply to Single Print Item | Apply to Multiple Items

### Versioning
- Print data version control for tracking and recovery
- Store of Data Preparation Versions | Revision Tracking

### Report
- Creation of personalized reports regarding print-relevant information
- Download PDF-Report | Approval Report | Customizable | Ink Consumption Report

### Correct All
- Apply corrections to multiple print data

### Ink Consumption
- Print data based calculation of ink consumption starting with the upload
- Print Item

### Color Matching Toolbox
- Creation of a Color Grid Chart based on a chosen base color for visual comparison
- Creation | Print | Measure
- Creation of Color Books per material for color libraries and customer color definitions
- Creation Color Book | Definition Color Books | Print

### Illustrator Plug-In
- Extension to Adobe Illustrator for checking in and out of print data
- Create Print Item for the Workflow | Check-out and Check-in Print Items | Directly from the Workflow | Define White | Set Trim and Bleed

### ADD-ONS

#### Additional Process Color
- Use of additional gamut-enhancing colors
- Color management support for additional colors PCA (C, M, Y, Red, Blue, etc.) (not White)

#### Extended Multi User Support
- Additional users can work simultaneously with the workflow

#### HHR Speed Upgrade
- Faster processing of Multipage and VDP jobs
- Additional 8 Threads (4 Siblings 2 Threads or 8 Siblings a 1 Thread)

#### Static Barcode
- Generation of barcodes optimized for digital printing in Adobe Illustrator
- Add a Static Barcode to a Print Item

#### Illustrator Plug-In for VDP
- Create variable content within Adobe Illustrator
- Add VDP [Barcode, Serial Number | Text | Images | Colored Shapes] based on rules or CSV

#### Rest API
- Uni-directional integration between ERP/MIS and Durst Workflow
- Sending requests from MIS/ERP/Web2Production to Durst Workflow Print

#### Durst Integrate
- Bi-directional integration between ERP/MIS and Durst Workflow
- Comm. Server to integrate MIS/ERP/Web2Production
DURST ANALYTICS

Durst Analytics is a browser-based solution to analyze the production data and to monitor the printing systems.

The software helps to increase transparency of your production output. Users can view their most important print production data via a web browser interface from virtually anywhere.

DURST ANALYTICS HIGHLIGHTS
> Productivity and print job statistics.
> Daily production figures.
> Current status of the printing system.
> Monitoring critical issues to prevent downtime.
> Monitoring of the printer availability.
> Enabling faster reaction times for troubleshooting and support.

DURST ANALYTICS PLUS

Utilizing a server-based system to connect all printers equipped with Durst Analytics and to make the data available to production planning or ERP systems.

HIGHLIGHTS DURST ANALYTICS PLUS
> Management of multiple printers.
> Interface for integration of analytics to production planning or ERP systems.
<table>
<thead>
<tr>
<th><strong>DURST ANALYTICS VERSION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printer Status</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Time Filter</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Ink Levels</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Workload</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Printed SQM</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Substrate Usage</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Ink Usage</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Sensor Data</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Printer Jobs</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Manage Multiple Printers</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Integration ERP/MIS</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Printing company department</td>
</tr>
<tr>
<td>-----------------------------</td>
</tr>
<tr>
<td>Printing company needs</td>
</tr>
</tbody>
</table>

**Durst products**

**Durst SMART SHOP PLUS**

- **S**
- **DURST SMART SHOP PLUS**

**Durst MAPS**

**TRADITIONAL INTERACTIVE**
- website optimization
- product catalog
- smart editor

**E-COMMERCE APPROACH**
- integrated online marketing analysis and control tools
- target group specific with connected fee and configurable price tables
- custom quote
- support of all relevant payment providers

**Payment**
- simplifying order fulfillment with integrated MIS functionality
- customizable order process
- instant artwork preview
- payment

**Versioning**
- automated version management
- quality control right from the start
- plug in for Adobe Illustrator

**SALES & MARKETING**
- SALES
- MARKETING

**Printing company needs**
- Attract new customers
- Retain existing customers

**Durst products**
- SALES & MARKETING
- PRINTING COMPANY DEPARTMENT

**Durst MAPS**
- PREPRESS
- FROM PIXEL TO OUTPUT — A MODULAR AND INTEGRATED ECOSYSTEM

**DURST | WORKFLOW**
AND INTEGRATED ECOSYSTEM

DURST WORKFLOW PLUS

- Ink calculation without ripping to the printer
- Flexible profile creation for ink saving
- Precise control of spot colors with sophisticated color matching functionalities
- Simple production creation out of different customer orders
- Customizable approval reports
- Over 100 fix ups to automate prepress tasks

DURST PRINTING SYSTEMS

- Parallel ripping
- Automatic printing with auto queue and predefined print mode settings
- Versatility in handling of different materials and applications
- Material
- Printing
- Quality
- Speed
- Versatility

DURST ANALYTICS PLUS

- Current printer status, workload, ink level and sensor data
- Ink consumption, printing time, substrate usage and much more data
- Statistics of the printer performance for the required time interval
- Print job statistics
- Productivity
- Printing status

DURST | WORKFLOW
The latest technical developments are constantly being incorporated into Durst products. Descriptions, illustrations and specifications are therefore subject to change without notice. Images and graphic representations are protected by copyright.

Durst® is a Registered Trade Mark
Copyright Durst Phototechnik AG
EN | 05/2019