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DURST WORKFLOW SOFTWARE FOR LARGE FORMAT PRINTING

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DURST
WORKFLOW
PLUS

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DURST
WORKFLOW
PRINT

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DURST
ANALYTICS

DURST
SOFTWARE ECOSYSTEM

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DURST
ANALYTICS
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DURST
SMART SHOP
PLUS

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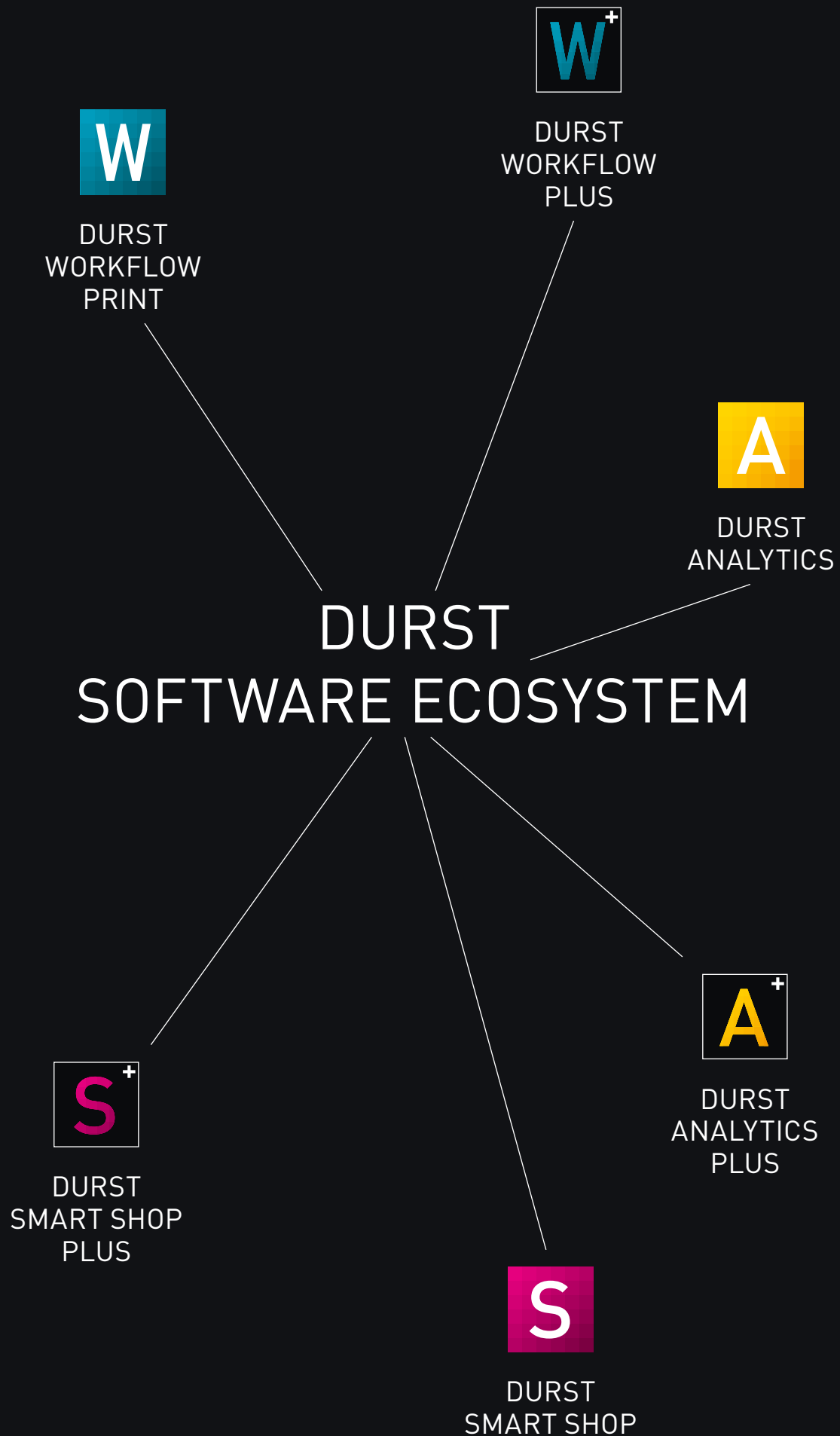
DURST
SMART SHOP

DURST WORKFLOW —
A REVOLUTIONARY ALL-IN-ONE
SOLUTION FOR THE PREPRESS
AND PRODUCTION PROCESS

ONLINE AND EVERYWHERE

> Browser-based solution combining data preperation, 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.
> State of the art core technologies — powered by Global Graphics, Callas Software and Color Logic — ensure highest quality and performance.

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

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DURST
WORKFLOW
PRINT

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.
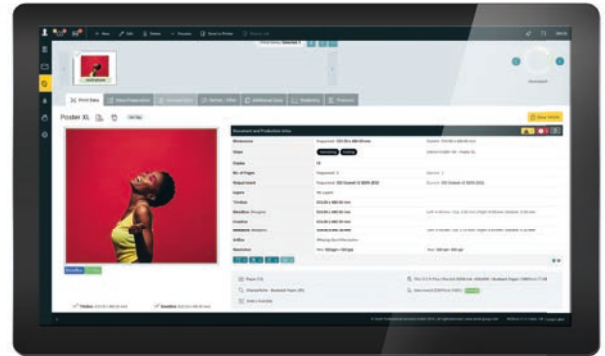

IMPOSER

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 an be created directly in the broswer and the ability to create and save custom templates is also a feature.
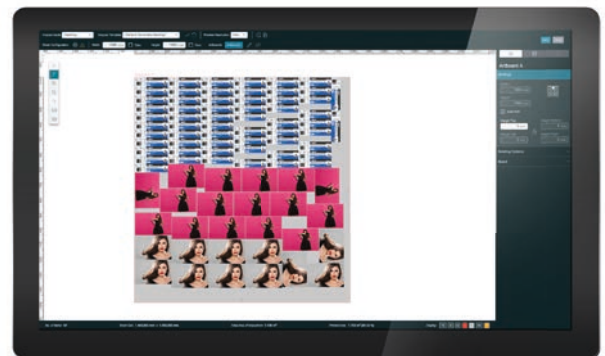
PROFILE — INK SAVING

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.

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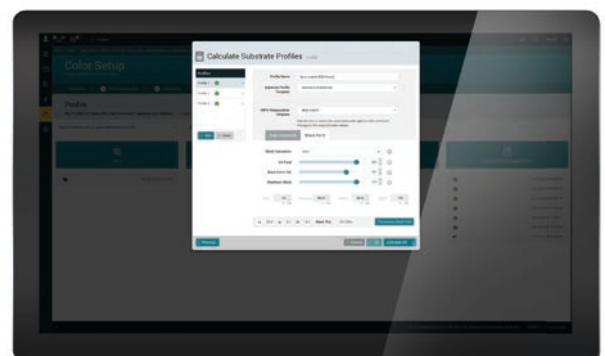
DURST
WORKFLOW
PLUS

A complete solution for flexible and productive data preparation with personalized analysis of your 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 provinding 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 nor-malization 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 essen-tial factor, ink price, is hence immediately available in the system.
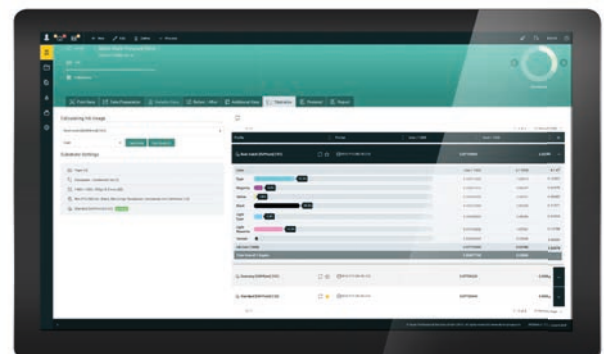
DURST WORKFLOW VERSION

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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** Generel 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		■

Feature	Description		
Data Preparation	**Segment-specific corrections for print data preparation** 100 Fixups | Segment Specific Pre-defined Sets | Configurable Upload Customized Fixups | 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

| Feature	Description		
Additional Process Color	**Use of additional gamut-enhancing colors** Color management support for additional colors PCA (O, V, G, 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.
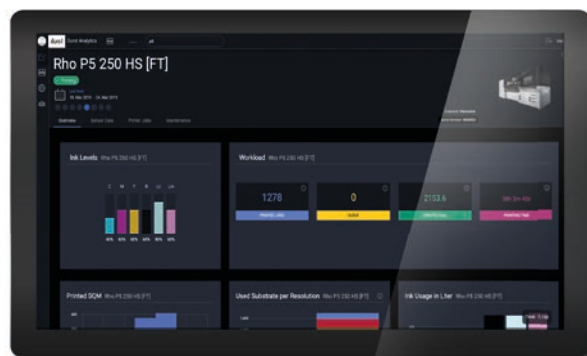
DURST ANALYTICS HIGHLIGHTS
> Producivity and print job statistcs.
> Daily production figures.
> Current status of the printing system.
> Monitoring critical issues to
   prevent down time.
> Monitoring of the printer availability.
> Enabeling faster reaction times for trouble
   shooting and support.

DURST ANALYTICS PLUS

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

HIGHLIGHTS DURST ANALYTICS PLUS
> Management of multiple printers.
> Interface for integration of analytics to
   production planning or EPR systems.

DURST ANALYTICS VERSION

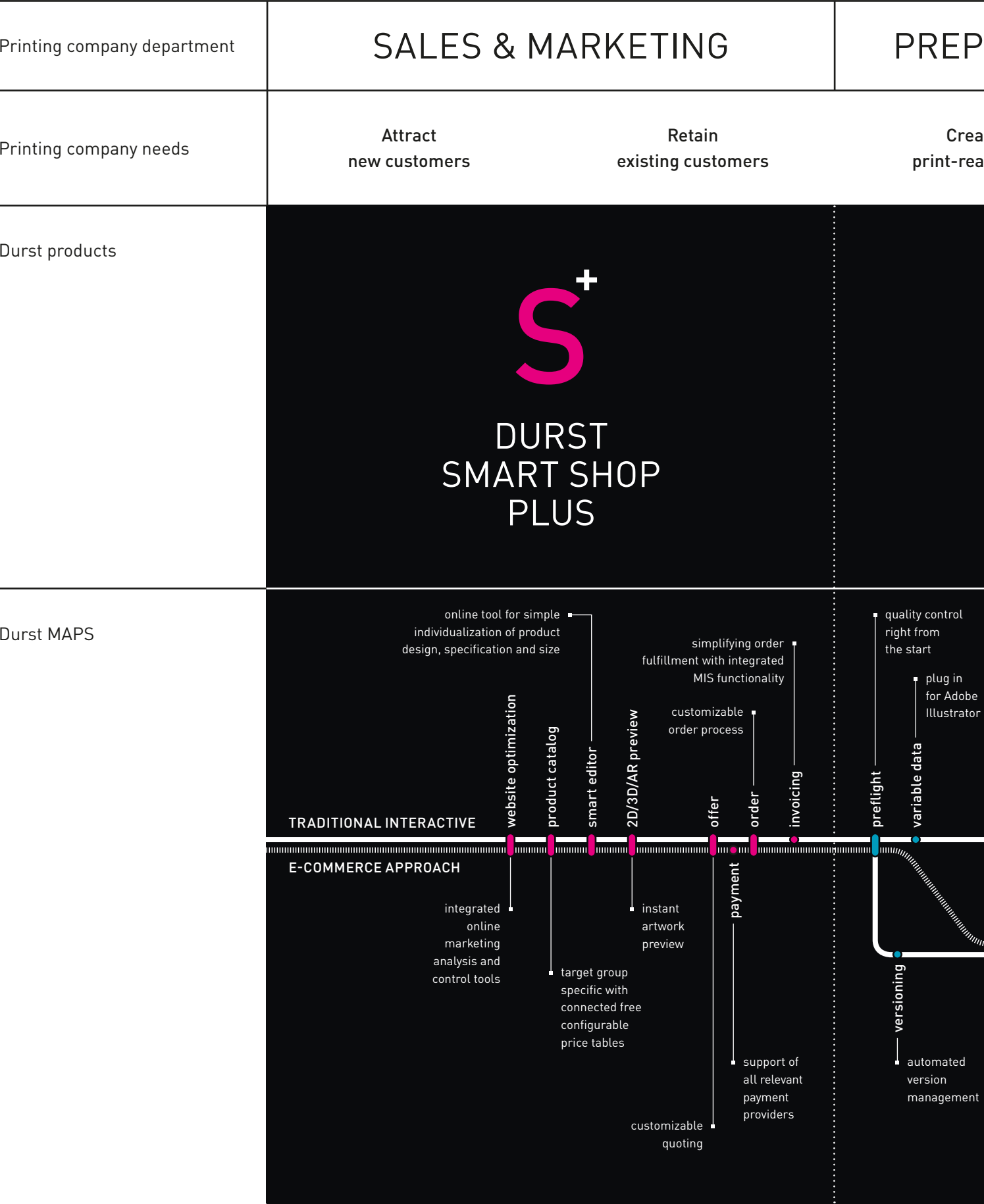|		A	A⁺
Printer Status	Information about the current printer Status Printing | Standby | Setup | Breakdown	■	■
Time Filter	Choose start- and end-point for shown time period Today | This Week | This Month | History (for amount of days, max 365 days)	■	■
Ink Levels	Visualize the current ink level for all available Inks in this specific printer Batch nr. | Bar code | Ink Filling Date | Ink Expiration Date	■	■
Workload	Summary of vital print statistics Printed Jobs | Queue | Printed SQM | Printing Time	■	■
Printed SQM	Diagram showing the printed SQM on each day in the period chosen in Time Filter Up to 5 users can work in parallel	■	■
Substrate Usage	Amount of used SQM per substrate per Resolution Print Resolution | Substrate | Substrate Dimension | Printed SQM	■	■
Ink Usage	Cumulative Ink Usage in the chosen Time period Liter per each Color Channel	■	■
Sensor Data	Shows all Sensor Details and Parameters Available Sensors | Details | Sensor Parameters	■	■
Printer Jobs	Searchable List containing all processed Jobs ID | Job ID | Title | Start | End | Res. X | Res. Y | Width (mm) | Length (mm) | Sqm ID Internal | Nr. prints | Nr. Prints Done | State | Prepare Start | Prepare End | Print Start | Print End | Substrate | Ink Consumption	■	■
Maintenance	Searchable List containing all Error Messages from the Printer ID | Date | Error Number | Error Text	■	■
Manage Multiple Printers	Collect / combine Print Statistics of multiple Printers Dashboard Showing Time Filter | Printer Status | Ink Levels | Workload | Printed SQM | Substrate Usage | Specific Printer information		■
Integration ERP / MIS	Establish connection to and send Data to the ERP or MIS Comm. Server to integrate MIS / ERP		■

Printing company department	SALES & MARKETING		PREP
Printing company needs	Attract new customers	Retain existing customers	Crea print-rea

Durst products

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DURST
SMART SHOP
PLUS

Durst MAPS

online tool for simple
individualization of product
design, specification and size

simplifying order
fulfillment with integrated
MIS functionality

quality control
right from
the start

customizable
order process

plug in
for Adobe
Illustrator

website optimization

product catalog

smart editor

2D/3D/AR preview

offer

order

invoicing

preflight

variable data

TRADITIONAL INTERACTIVE

E-COMMERCE APPROACH

payment

versioning

integrated
online
marketing
analysis and
control tools

instant
artwork
preview

target group
specific with
connected free
configurable
price tables

support of
all relevant
payment
providers

automated
version
management

customizable
quoting

RESS	PRODUCTION

te dy files	Produce production jobs	Print with high performance	Analyze production data

W⁺

DURST
WORKFLOW
PLUS

DURST
PRINTING
SYSTEMS

A⁺

DURST
ANALYTICS
PLUS

ink calculation without
ripping to the printer

flexible profile creation
for ink saving

current printer status,
workload, ink level and
sensor data

customizable
approval reports

parallel ripping

highest quality and
industrial printing
speed

ink consumption

approval report

ink limits

spot color

RIP

queueing

material

printing

print job statistics

productivity

printing status

production jobs

precise control of
spot colors with
sophisticated
color matching
functionalities

automatic
printing
with auto
queue and
predefined
print mode
settings

ink
consumption,
printing time,
substrate
usage and much
more data

data corrections

simple production creation
out of different customer order

versatility in
handling of
different
materials and
applications

statistics of
the printer
performance
for the required
time interval

over 100 fix ups to
automate prepress
tasks

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