



TECHNOLOGY PLATFORM
LARGE FORMAT PRINTING





P5 — THE TECHNOLOGY PLATFORM FOR THE LATEST GENERATION OF DURST LARGE- FORMAT PRINTING SYSTEMS.

The Durst P5 platform, expanded with two new hybrid printing solutions, combines impressive printing quality, high productivity and efficiency with its own software solutions.

Durst software turns the printer into a production unit and results in a comprehensive platform. Consultancy, integration services and applications training support to manage this new Durst ecosystem.

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1 A

P5 PRINTERS 350/210

THE MASTERCLASS IN VERSATILITY

The P5 platform expands and defines a new standard in flexibility and versatility with two new hybrid solutions for roll and boards printing. The new printers P5 350 and P5 210 are equipped with the Durst software and offer special new features to increase the production efficiency.

LED Technology

Less energy consumption

Versatility

Boards & roll



Multisroll Option

Fast media change during printing

Quality

Durst proven technology

Workflow Print

Durst software integration



Efficiency

Easy handling & functionality

P5 350

The P5 350 is the all-in-one hybrid solution for flexible roll and board printing up to 3.5 m. The printer is equipped with the Durst Workflow Print software and the monitoring tool Durst Analytics.

- > Roll and board printing up to 350 cm
- > LED technology
- > Integrated Durst software: Workflow Print & Analytics
- > Highest print quality up to 1,200 dpi
- > Versatility: multiroll option, foldable roll tables, safe refill ink system
- > Automated multitrack board printing mode



P5 210

The P5 210 is the compact solution for flexible roll and board printing up to 2.1 m. The printer is equipped with the Durst Print Workflow software and the monitoring tool Durst Analytics.

- > Roll and board printing up to 210 cm
- > LED technology
- > Integrated Durst software: Workflow Print & Analytics
- > Highest print quality up to 1,200 dpi
- > Versatility: single roll option, foldable roll tables, safe refill ink system
- > Automated multitrack board printing mode



SPECIAL FEATURES P5 350/210

MULTIROLL OPTION

- > For single and dual roll
- > Easy handling
- > Fast media change
- > Rolls loadable during printing



AUTOMATED MULTITRACK BOARD PRINTING MODE

- > Up to 6 parallel boards (tracks)
- > Min. format A3
- > Registration side bars
- > No registration table needed
- > Independent board feeding sensor
- > Multiple queues
- > Automatic media thickness detection



FOLDABLE ROLL TABLES

- > Robust design
- > Loading capacity 15 kg/m²
- > 3 foldable sizes (75/140/220 cm)
- > Space saving
- > Fast change: board to roll and vice-versa
- > Rolls do not need to be removed



AUTOMATIC MEDIA WIDTH DETECTION AND THICKNESS CONTROL

- > Special sensor for media width & thickness detection on sledge
- > Media thickness and width control while printing
- > Wrinkles alert detection
- > Geometric data transmission to the media channel



LED TECHNOLOGY

- > Less energy consumption
- > Immediately ready for printing
- > Fast media change
- > Printing on heat sensitive materials
- > Ozone-free
- > Optimized ink curing
- > High gloss



SAFE INK REFILL IDENTIFICATION SYSTEM

- > Batch scanner
- > Avoiding wrong ink filling
- > Avoiding expired ink filling
- > Expiration ink date alert
- > Ink slot light signals
- > Mechanical refill ink slot lock



PERIPHERALS

- > Stacker for ¾ automation
- > Full automation system



1 B

P5 PRINTERS 250/200 HS

THE MASTERCLASS IN PRODUCTIVITY

The P5 HS Series is the industrial solution for printing up to a width of 250 cm. The printers are equipped with the Durst Workflow Print and the monitoring tool Durst Analytics.

- > Highest print quality: 1,200 dpi and 5 pl (at all speeds) enabled by latest MEMS nozzle plates
- > Maximum print speed up to 600 m²/h in continuous printing
- > Board and roll printing up to 250 cm width (250 HS)
- > Optimized ink circulation: 1 purge per week

Quality

Durst proven technology



Versatility

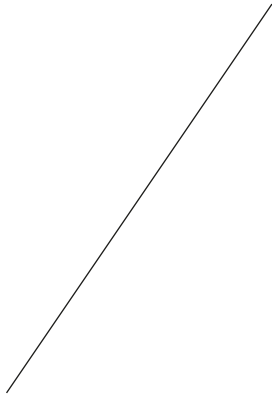
Board & roll

Efficiency

Full automation

Productivity

up to 600 m²/h



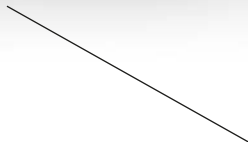
Workflow Print

Durst software integration



Double-side roll printing

Backmark sensor



SPECIAL FEATURES P5 250/200 HS

DOUBLE-SIDE ROLL PRINTING

- > Alignment accuracy in media transport direction up to 1/-1 mm
- > Back marking: selectable top/bottom of image
- > Available with HDR



DUAL TRACK PRINTING

- > without registration table



PERIPHERALS

- > Stacker for ¾ automation (also available without registration table)
- > Full automation (available for P5 250 HS)



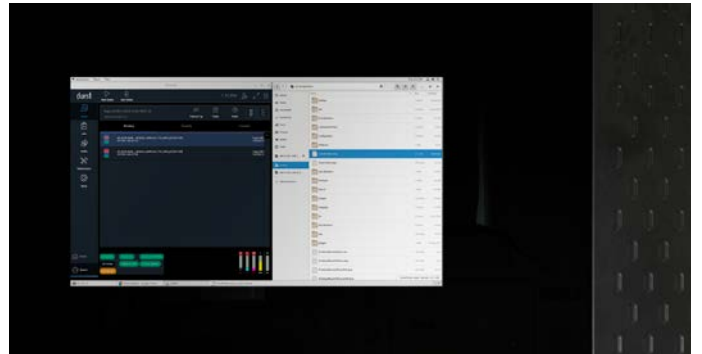
SAFE INK REFILL IDENTIFICATION SYSTEM

- > Batch scanner
- > Avoiding wrong ink filling
- > Avoiding expired ink filling
- > Expiration ink date alert
- > Ink slot light signals
- > Mechanical refill ink slot lock



SPLIT SCREEN

- > Parallel use of different windows/functions on one screen (for example: camera system, internal logistics)



TECHNICAL OVERVIEW



STANDARD SCOPE OF DELIVERY

Drop size
Color channels
Roll printing width
Board printing width
Single roll
Smart multitrack boards printing mode (2 boards)
Double side board printing option
Double side roll printing option (for single roll)
Roll tables
Software: Durst Workflow Print and Durst Analytics
UV curing technology

P5 350

7 pt
CMYK
347 cm
350 cm
Included
Included
Included
Included
Foldable up to 140 cm
Included
LED

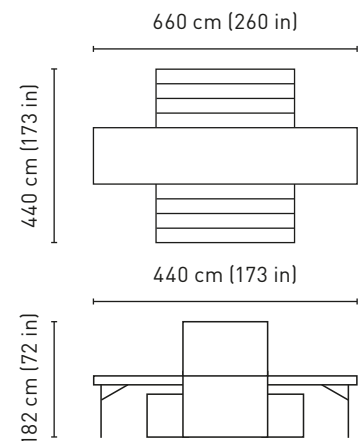
ADDITIONAL OPTIONS

Colors
Dual roll option
Double side printing option (for dual roll)
Multisroll unwinder/take up system
Roll media option 19
Heavy duty roll media option
Smart multitrack boards printing (up to 6)
Automatic width detection and tickness control
Loading/unloading roll tables extension
Tracks for corrugated printing option

Light colors, white under/over, varnish, PCA
Optional
Optional
2 x single, single and dual, 2 x dual
Not available
Not available
Optional
Optional
Optional (up to 220 cm)
Single or dual tracks

SPACE REQUIREMENTS

FOR STANDARD SCOPE OF DELIVERY





P5 210

7 pl
CMYK
210 cm
210 cm
Optional
Included
Included
Optional
Foldable up to 140 cm
Included
LED



P5 250 HS

5/10 pl (Grey Scale)
CMYK
Optional (250 cm)
250 cm
Optional
Optional
Included
Optional
Standard
Included
Bulb Lamps



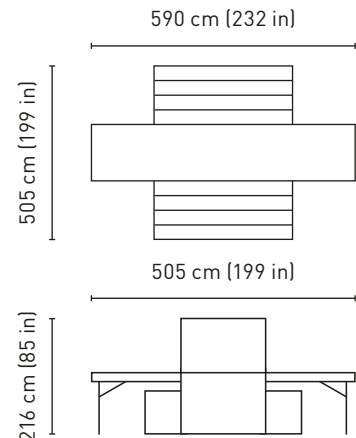
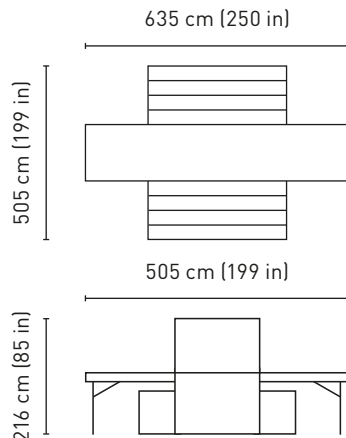
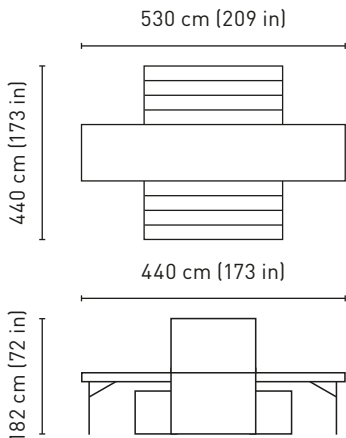
P5 200 HS

5/10 pl (Grey Scale)
CMYK
Optional (205 cm)
205 cm
Optional
Optional
Included
Optional
Standard
Included
Bulb Lamps

Light colors, white under/over, varnish, PCA
Not available
Not available
2 x single
Optional
Optional
Optional
Optional
Optional (up to 220 cm)
Single or dual tracks

Light colors, white
Not available
Not available
Not available
Optional
Optional
Not available
Optional
Optional (multiple extension tables)
Single or dual tracks

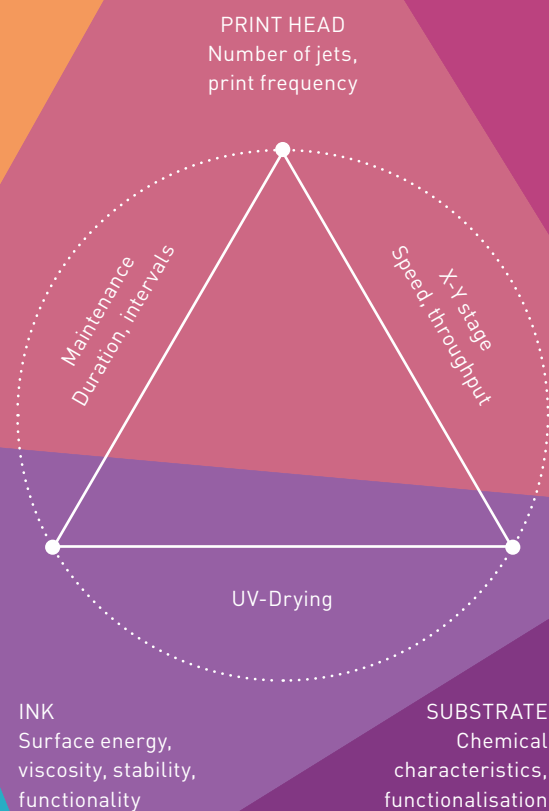
Light colors, white
Not available
Not available
Not available
Optional
Optional
Not available
Optional
Optional (multiple extension tables)
Single or dual tracks



DURST INK TECHNOLOGIES

In accordance with Durst's quality, productivity and environmental standards, the company's ink portfolio comprises various UV ink systems matched to clients needs. Maximum print quality, uptime, and productivity with minimum ink consumption are the result of the continuous and systematic development of the core competencies in mechanical engineering as well as in ink and print-head technology in Durst's innovation center.

This 'magical triangle of inkjet technology' is a holistic approach aimed at providing inks for a wide range of different end uses.



Durst offers dedicated ink systems for P5 for a wide range of roll and flatbed applications. Durst's development approach, including in-house application and weathering tests, ensures maximum system stability.

All ink systems and production batches are continuously monitored under the strictest laboratory conditions in order to provide optimum performance for users.

- > Large color space
- > High system stability
- > Broad application diversity
- > Low ink consumption
- > Certification 'Greenguard Gold'
- > Flexibility
- > Process and spot colors

DURST RIGID LED INK

FOR P5 350/210

Durst Rigid LED Ink is designed for typical flatbed applications such as printing on papers, plastic hard foam boards (e.g. Forex), soft foam boards (e.g. Kapa), folding carton, corrugated boards, coated metals (e.g. Alcan Dibond), acrylics, polycarbonate, polypropylenes, rigid PVCs and styrenes. This ink set provides excellent surface resistance, stackability and low tack on rigid media, while closely resembling the established performance characteristics of conventional Durst Premium WG Ink concerning adhesion or color gamut.

Durst Rigid LED Ink is also suitable for printing on thermo-sensitive media, is fully LED cured even in high speed printing modes without inertization and permits capturing the advantages of LED technology in terms of reduced machine energy consumption and no ozone formation.

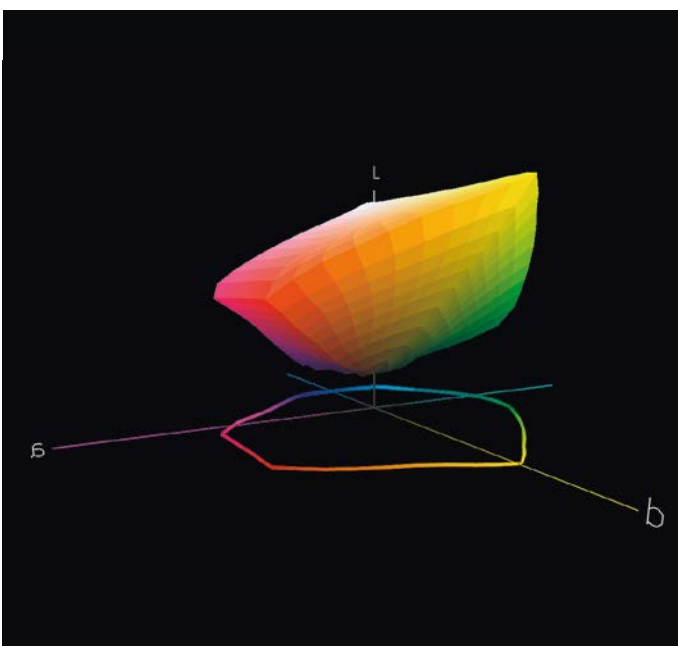
Standard

CMYK	
Light Cyan	
Light Magenta	
White	

AREAS OF APPLICATION

- > Paper
- > Banner
- > Pressure sensitive (Self-adhesive vinyl)
- > Fabrics
- > Plastic hard foam board (e.g. Forex, Sintra)
- > Soft foam boards (e.g. Kapa)
- > Folding carton
- > Corrugated boards
- > Metals (e.g. Alcan Dibond)

COLOR GAMUT



Color gamut measured on Gardamatt with a Rho P10 HS LED.

INK PERFORMANCE



DURST ROLL LED INK

FOR P5 350/210

Durst Roll LED Ink is designed for typical roll-to-roll applications such as banners, blackback textiles, self-adhesive vinyls, fabrics, clear films and canvases. Optimized for utilization in P5 350, P5 210 and Rho 312/512 LED machines, this ink set fully resembles the performance characteristics of conventional Durst Roll Inks in terms of flexibility, adhesion, color gamut or gloss. In addition to these established performance characteristics, Durst Roll LED Ink is suitable for printing on thin and thermosensitive media, is fully LED cured even in high speed printing modes without inertization and permits capturing the advantages of LED technology in terms of reduced machine energy consumption and no ozone formation.

Standard

CMYK



Light Cyan



Light Magenta



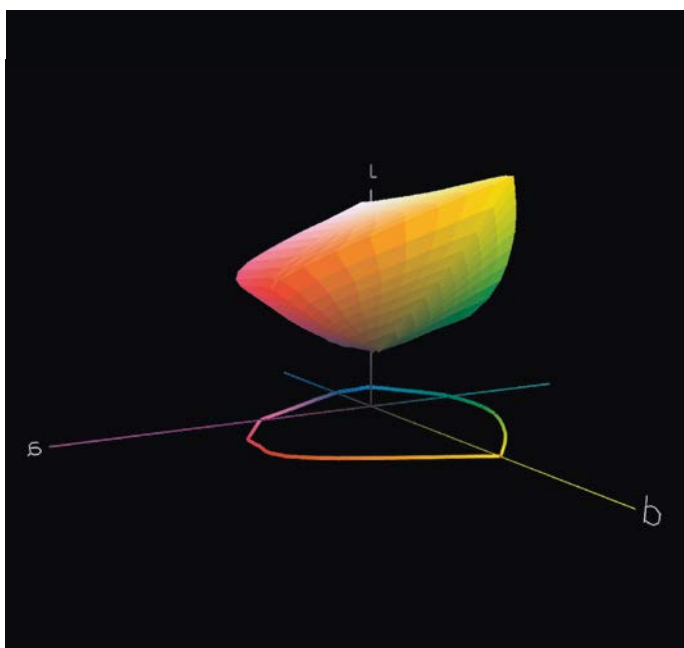
White



AREAS OF APPLICATION

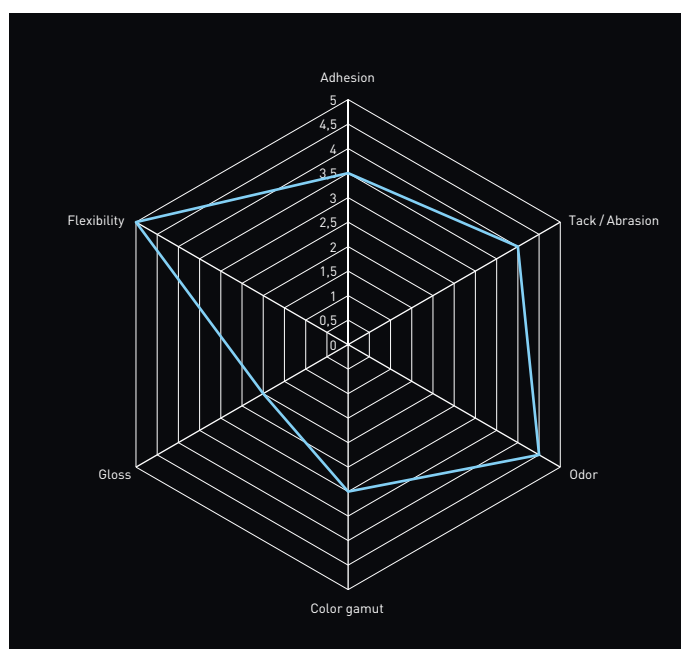
- > Blackback textiles
- > Banner
- > Self-adhesive vinyl
- > Fabrics
- > Clear film
- > Canvas

COLOR GAMUT



Color gamut measured on Tom & Otto Silk Paper 170 g Antalis with a Rho 512R LED.

INK PERFORMANCE



P5 PREMIUM WG INK

FOR P5 250/200 HS

The universal ink set is ideally suited for finishing a large number of different types of flatbed and roll media. Besides standard materials such as paper or PVC, this ink is particularly suitable for media requiring high ink adhesion such as acrylic, polycarbonate, and polypropylene.

AREAS OF APPLICATION

- > Paper
- > Banner
- > Pressure sensitive (self-adhesive foil)
- > Fabrics
- > Plastic hard foam board (e.g. Forex, Sintra)
- > Soft foam board (e.g. Kapa)
- > Folding carton
- > Corrugated boards
- > Metals (e.g. Alcan Dibond)
- > Acrylic
- > Polycarbonate
- > Polypropylene
- > Rigid PVC
- > Styrene

Standard

CMYK



Light Cyan



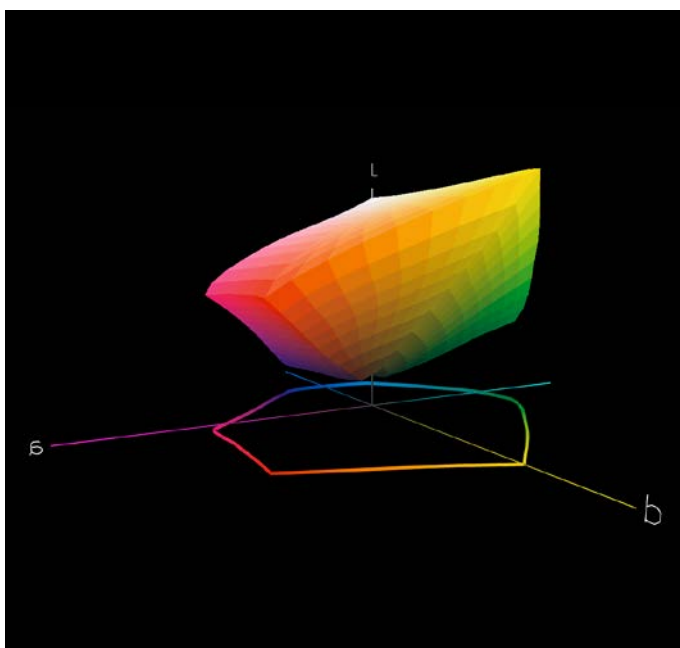
Light Magenta



White



COLOR GAMUT



Color gamut measured on Gardamatt with a P5.

INK PERFORMANCE



P5 POP HS INK

FOR P5 250/200 HS

P5 POP HS Ink was developed to produce high print volumes cost efficiently with P5 200/250 HS machines. This high-gloss ink makes it possible to eliminate additional finishing processes such as high-gloss lamination, making the overall production process more efficient.

P5 POP HS ink is a very versatile ink that is suitable for printing on paper surfaces as well as on Forex, dibond, and styrene. The particularly large color space and the gloss finish make this ink suitable for a broad range of applications.

AREAS OF APPLICATION

- > Plastic hard foam board (e.g. Forex, Sintra)
- > Soft foam board (e.g. Kapa)
- > Folding carton
- > Corrugated boards
- > Metals (e.g. Alcan Dibond)
- > Polystyrene

Standard

CMYK



Light Cyan

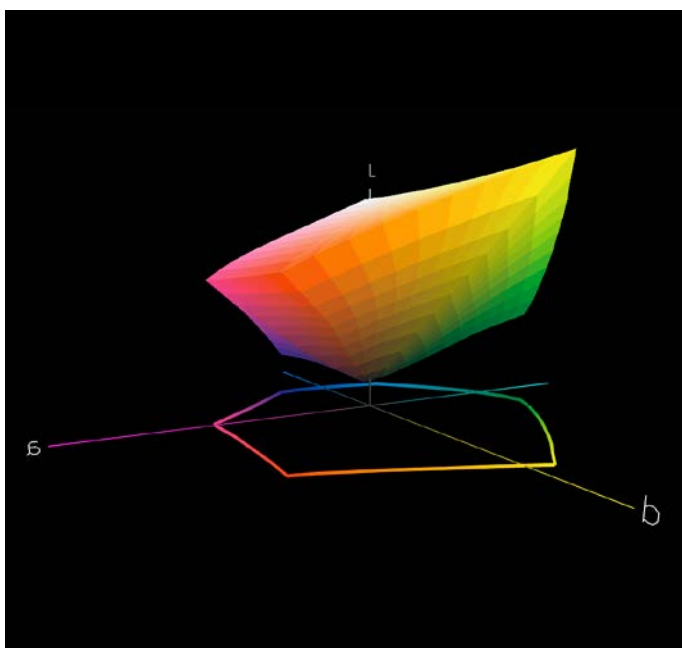


Light Magenta



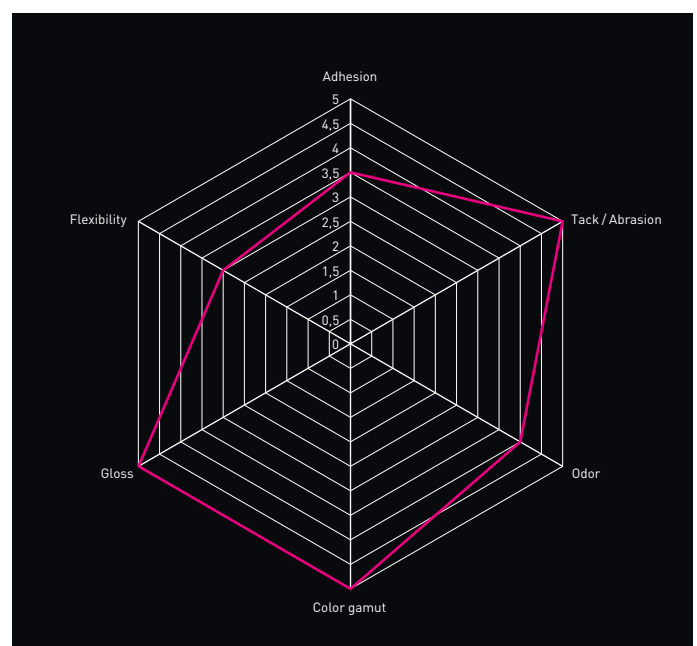
Addition of white is possible in combination with other ink families.

COLOR GAMUT



Color gamut measured on Gardamatt with a P5.

INK PERFORMANCE



S

S⁺

W

W⁺

A

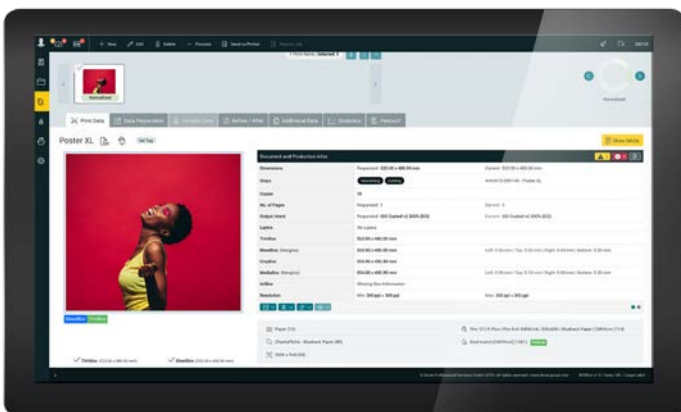
A⁺

3

DURST SOFTWARE ECOSYSTEM

The P5 printers are all equipped with the new software solution DURST WORKFLOW PRINT and the monitoring tool DURST ANALYTICS. This turns the printer into a production unit from day one.

To integrate e-commerce businesses, Durst offers a scalable solution with DURST SMART SHOP. All Durst software can be modularly extended and managed with a web-based user interface.



DURST SOFTWARE MODULES

DURST SMART SHOP



The DURST SMART SHOP solution is designed to get the maximum from your e-business by increasing the conversion rate of your online shop and the efficiency of the digital order fulfilment.

Durst Smart Shop is an innovative online shop system for the complete handling of your print and internet orders. Offer and sell your products and printing services on the internet.

DURST SMART SHOP

The Durst Smart Shop has all the essential functions of a web shop, enhanced by advanced calculations, realistic 3D previews and the use of print-specific attributes in the product configuration.

DURST SMART SHOP PLUS

Expand your web shop with an innovative graphical online editor. The Durst Smart Editor enables your customers to create browser-based print layouts. Everyone can design their own print products quickly and easily — without installing any additional software.

DURST WORKFLOW



The DURST WORKFLOW is a revolutionary all-in-one solution to streamline the prepress and print production process.

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

DURST WORKFLOW PRINT

A smart and simple solution to manage the print production. Easy data management combined with proven technology for color management and ripping takes your productivity to a new level.

DURST WORKFLOW PLUS

Expands your print production solution with prepress functionality for fast and flexible print data preparation. Customizable corrections, a sophisticated color matching toolbox and integration with your ERP/MIS systems streamlines and automates your processes.

DURST ANALYTICS



Analyze your most important print production data and monitor your printing systems via a web-based interface from virtually everywhere.

Durst Analytics helps to increase transparency of your production output and to monitor your printing systems. Easily determine your media, ink usage and productivity all at a glance.

DURST ANALYTICS

A web-based dashboard for your daily production figures such as print job statistics and productivity. Monitoring of the current status of the printing system and critical issues prevent downtime and enable faster reaction times for trouble shooting and support.

DURST ANALYTICS PLUS

The server-based system connects all printers equipped with Durst Analytics and makes the data available to a production planning or ERP systems. This allows straightforward customized report generation with our API.



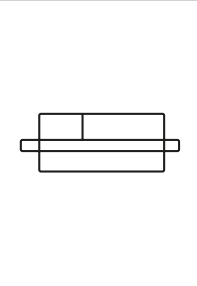

COMBINATION OF THE MODULES

INTEGRATED VERSION

Departments of printing company	PRODUCTION		
Needs of printing company	Produce production jobs	Print with high performance	Analyze production data
Products of Durst			

Get the maximum out of the printer! The included DURST WORKFLOW PRINT and DURST ANALYTICS turn the printing system into a production unit. Simplify production, customize processes, analyze the data and bring your productivity to a new level.

FULL CONFIGURATION (OPTIONAL)

Departments of printing company	SALES & MARKETING		PREPRESS	PRODUCTION		
Needs of printing company	Attract new customers	Retain existing customers	Create print ready files	Produce production jobs	Print with high performance	Analyze production data
Products of Durst						

A complete and streamlined solution from 'Pixel to Output'. The Durst software can be modularly extended with prepress functionality to expand sales channels with a powerful online system — seamlessly integrated with your IT environment.

For more information visit
durst-group.com/dps



4

CONSULTANCY & INTEGRATION

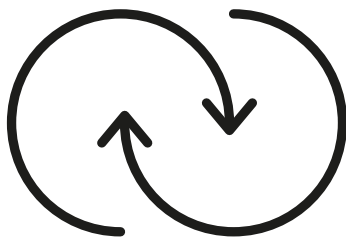
INTEGRATION

The seamless integration of the software into the customers workflow enables them to capture the full potential of automation and digitization of processes.

Durst Professional Services is your partner to integrate the Durst software solution in your IT environment.

We offer two integration service options:

- > Self-service option: Durst provides standard interface definitions for the integration of Durst Workflow Plus and Durst Analytics Plus.
- > Full-service option: A Durst Professional Service expert manages the integration project.

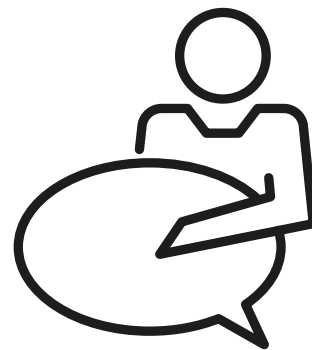


CONSULTANCY

We offer you expert consultancy for your e-commerce, prepress, applications and software projects. Our system integrators help you with their broad knowledge to find the best solutions for your needs.

Our skilled consultants and integrators will work with you to:

- > Streamline and automate your prepress and print workflow.
- > Improve your application results.
- > Successfully implement an e-commerce solution.



For more information visit
durst-group.com/dps



5

TRAINING

Our training center offers customers the opportunity to participate in one of our target group-oriented training courses.

OPERATOR TRAINING

- > 2 days
- > Qualified operator
- > Printing process control

This training is intended for machine operators to learn the general handling and maintenance of the printing system.

MAINTENANCE ENGINEER TRAINING

- > 3 days
- > Preventive maintenance
- > Guided troubleshooting

Proper Repair Level 1

This module enables maintenance engineers to deepen their machine knowledge, as well as remotely guided first-aid troubleshooting.

Proper Repair Level 2

The engineer gains advanced technical knowledge in troubleshooting and repairing, based on detailed information about the various printer components and troubleshooting guidelines.

SHIFT SUPERVISOR TRAINING

- > 1 day
- > Printing performance
- > Maintenance process
- > Production statistics

This course deepens the knowledge from production planning to the production process in order to achieve optimum printing performance.

PRINT WORKFLOW PREPRESS TRAINING

- > 2 days
- > Printing performance
- > Efficient workflow

This module includes general 'Print Workflow Operations' and focuses on the workflow from the image file/prepress to the final print, including conducting of printer linearization, media profiling, determining of ink-limits and color management specific settings.

CUSTOMIZED TRAINING

Alternatively, our training center offers a tailor-made, customized training concept for your team with individual training programs for the needs of your organization. Tailor-made for your production process as certification or further training for your staff.

For more information visit
[durst-group.com/dps](https://www.durst-group.com/dps)



6

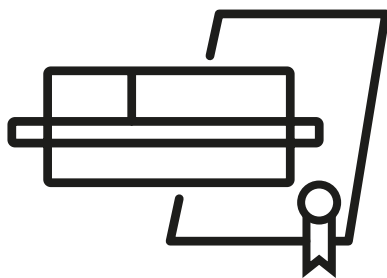
SERVICE AGREEMENTS

DURST PRINTER SERVICE AGREEMENTS

The Printer Service Agreements always ensure maximum uptime and the required printing quality with predictable and stable service costs. Furthermore, Durst Service results in higher resale value due to maintaining the printer continuously in a top condition:

- > Preventive maintenance performed at a regular interval
- > Service intervention whenever needed
- > Remote support by phone, e-mail or online

The agreements are flexible and tailored at individual customer needs.

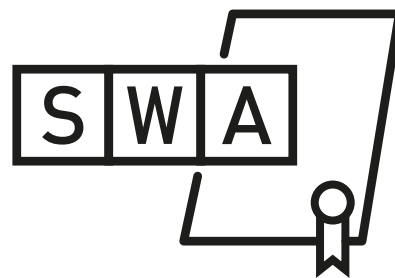


DURST SOFTWARE AGREEMENTS

The Durst software Agreement keeps the Durst software Ecosystem always up to date and makes the latest innovations accessible:

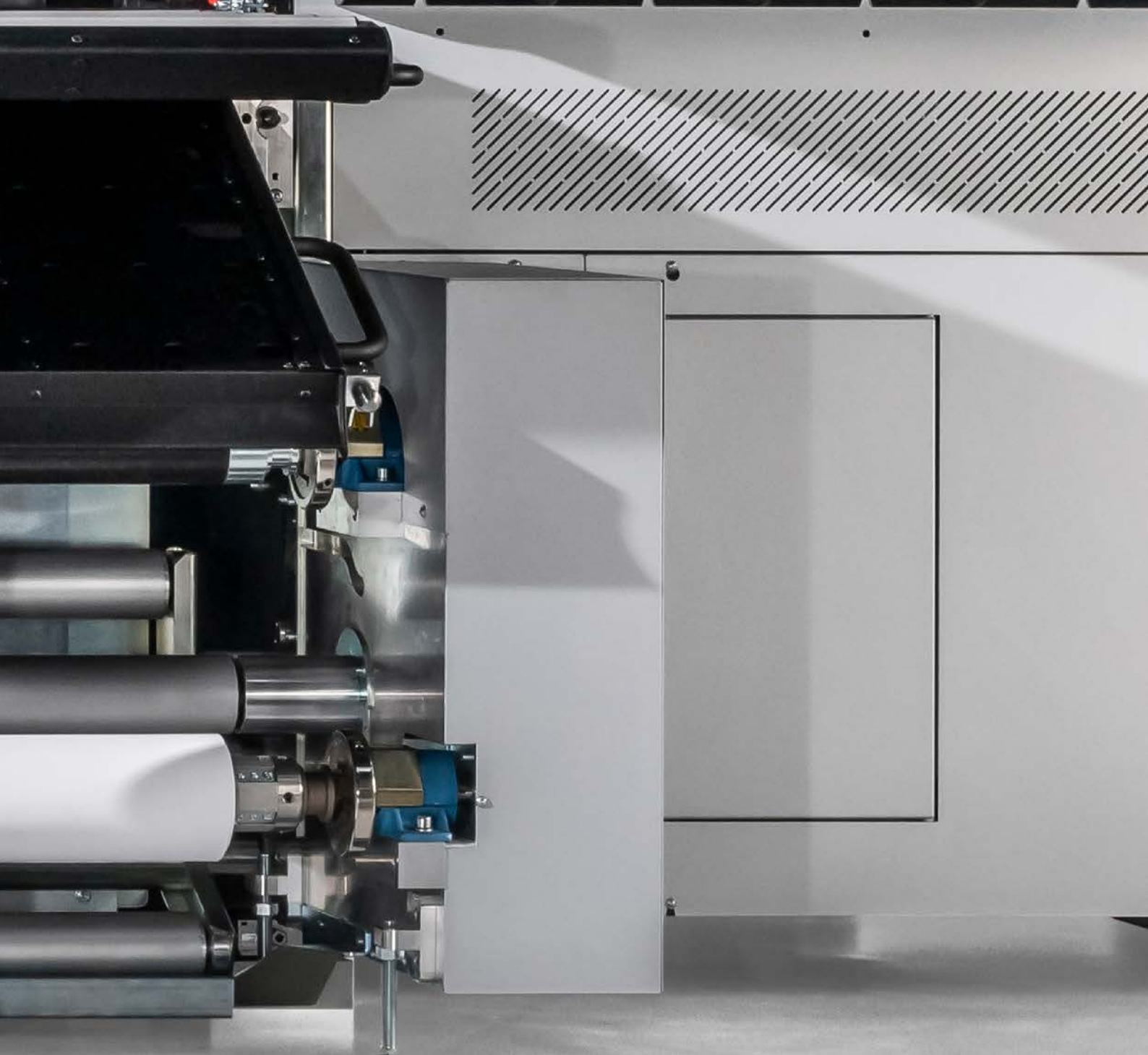
- > Free updates including new features and functionalities
- > Special offers for local support, software trainings and consultancy
- > Predictable and stable costs
- > Professional remote support by Durst certified technicians
- > Software as a service (coming soon)

The duration and payment conditions of the agreements are flexible depending on the customer needs.



For more information visit
durst-group.com/dps





DURST. ADVANCED DIGITAL PRINTING AND PRODUCTION TECHNOLOGY

Durst is a manufacturer of advanced digital production technologies. In the active business areas, Durst is the first choice for the transformation and digitization of industrial production processes. Durst is a family company with an 80-year history, where values are focused on innovation, customer orientation, sustainability, and quality.

- > Customer orientation
- > Innovation
- > Quality
- > Sustainability



Durst Headquarters, Brixen, Italy



Durst Production Site, Lienz, Austria



durst

READY TO PRINT

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EN | 05/2019

The Durst logo consists of the word "durst" in a lowercase, sans-serif font, centered within a white rectangular box.