P5

PRODUCTION EXCELLENCE

GREENGUARD
PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

P5 210/HS

The hybrid printer that elevates the efficiency in your production cycle.

For more information, please visit

durst-group.com/p5210

D4

DURST P5
DOUBLE 4

DURST
RELIEF

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P5 210/HS

The most efficient 2.1 m LED hybrid printer in the market.

Peripherals

> P5 Automat ready (feeder/stacker) for full and 3/4 automation
> Interface for third party inline cutting systems

Foldable roller tables

> Heavy duty roller table
> Easily movable
> Space savings
> Foldable for small board size
> Fast change from board to roll and vice versa

Multitrack 6

> Minimum size A3
> Up to 6 independent printing queues
> Sensor control boards feeding
> No front registration table needed
> Continuous boards printing
> Different board sizes

Multiroll

> Upper and lower roll loading positions
> Fast material change for time savings
> Roll loading/unloading while printing
> Tension bar system

Width & thickness detection

> Width and thickness measurement
> Wrinkles alert
> Reduced to minimum risk of media crash
> Auto media channel settings

(D4) Double 4

> Double CMYK color configuation
> Maximized productivity
> Highest performance

Corrugated printing

> Special adjustable guides system for corrugated carton
> Single and dual track
> Automated corrugated option for HS version

Safe ink refill

> Avoid wrong ink filling
> Ink batch scanning
> Inks expiration alert
> Mechanical lock and light alert

Heavy duty roll

> Roll diameter up to 600 mm

Special ink effects

Durst Relief
(Hapt & gloss effect)
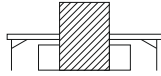
> Varnish with Extra Gloss
> Primer for extra adhesion

VIRTUAL SHOWROOM
More details, live demo, print samples.
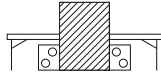**showroom.durst-group.com/p5210**

CONFIGURATIONS & TECHNICAL DATA

P5 210/HS
BOARDS

> Roller tables for manual operation
> Continuous board feeding
> 2 tracks

Options:
> Multitrack 6
> Single/dual track corrugated

P5 210/HS
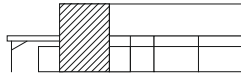**HYBRID**

> Roller tables for manual operation
> Continuous board feeding
> 2 tracks
> Roll tool

Options:
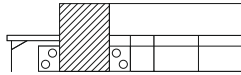> Multitrack 6
> Multiroll
> Single/dual track corrugated

P5 210/HS
¾ AUTOMATION
BOARDS

> Roller table for manual feeding
> P5 Automat stacking unit
> Continuous board feeding
> 2 tracks

Options:
> Multitrack 6 (manual op.)
> Single/dual track corrugated

P5 210/HS
¾ AUTOMATION
HYBRID

> Roller table for manual feeding
> P5 Automat stacking unit
> Continuous board feeding
> 2 tracks
> Roll tool

Options:
> Multitrack 6 (manual op.)
> Multiroll
> Single/dual track corrugated

P5 210/HS
FULL AUTOMATION
BOARDS

> P5 Automat feeding unit
> P5 Automat stacking unit
> Continuous board feeding
> 2 tracks

Options:
> Multitrack 6 (manual op.)
> Single/dual track corrugated

P5 210/HS
FULL AUTOMATION
HYBRID

> P5 Automat feeding unit
> P5 Automat stacking unit
> Continuous board feeding
> 2 tracks
> Roll tool

Options:
> Multitrack 6 (manual op.)
> Multiroll
> Single/dual track corrugated

GENERAL TECHNICAL DATA
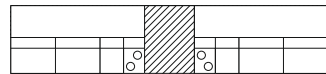
Max. productivity	P5 210 HS	up to 568 sqm/h (6110 sqft/h)
	P5 210	up to 243 sqm/h (2620 sqft/h)
Resolution		700 x 1200 dpi, 900 x 1200 dpi
Drop size		7 pl
Color Channels		up to 8
Max. printing width	Boards	2100 mm (6.89 ft)
	Single roll	2100 mm (6.89 ft)
Max. roll weight (lower & upper each)		300 kg (660 lbs)
Max. roll diameter		420 mm (16.5 in)
Roller table lenght		Std. 75 cm (29.5 in)/140 cm (55.10 in), Opt. up to 220 cm (86.60 in)

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PRODUCTION EXCELLENCE

D4

DURST P5 DOUBLE 4

Maximized productivity for a new level of performance.

For more information, please visit

durst-group.com/d4

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DURST P5 DOUBLE 4

The Durst P5 Double 4 (D4) technology maximizes the productivity of the P5 UV series printing systems through the implementation of a double CMYK color configuration.

This brings the P5 printing system to a new level of performance:

P5 350 HS D4

2 Pass	708 sqm/h
3 Pass	472 sqm/h
4 Pass	354 sqm/h

P5 210 HS D4

2 Pass	568 sqm/h
3 Pass	378 sqm/h
4 Pass	280 sqm/h

CONFIGURATION

The Durst D4 technolgy can currently be configured for all available P5 350 HS and P5 210 HS versions (Boards, Hybrid, 3/4 automation, full automation) and is also available as a field upgrade.

D4

DURST P5
DOUBLE 4

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DURST UV-LED INKS

Greenguard Gold certified

ATURION LED INK

Multipurpose ink with balanced stackability and flexibility, a wide adhesion range combined with larger color gamut make this ink suitable for many applications.

P5 210/HS
P5 350/HS
P5 Automat

Colors

ROLL LED INK

This versatile ink is particularly suitable for flexible media applications requiring a wide adhesion range and very good flexibility.

P5 210/HS
P5 350/HS
P5 500

Colors

POP FLEXIBLE LED INK

High volume production ink, ideally suited for paper surfaces and tack sensitive applications even at highest print speed conditions.

P5 210/HS/D4
P5 350/HS/D4
P5 Automat

Colors

RIGID LED INK

Designed for specific flatbed applications providing wide color gamut, good surface resistance, low tack, and excellent adhesion.

P5 210/HS
P5 350/HS
P5 Automat

Colors

FLT LED INK

This highly flexible ink is particularly suitable for materials that demand highest flexibility, such as lightbox textiles, transparent films, banner and day & night applications.

P5 500

Colors

For more information,
please visit

durst-group.com/led

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INK SELECTION GUIDE*

Application/Substrate/Feature	Roll LED	FLT LED	Aturion LED	POP Flexible LED	Rigid LED
Blockout PVC	■	□	□	□	◊
Lightbox textile (e.g. Pearl, Samba)	□	■	◊	◊	◊
Frontlit PVC banner	■	■	□	□	◊
Backlit PVC banner	■	■	◊	□	◊
Mesh	□	■	◊	◊	◊
Truck curtain	◊	□	◊	◊	◊
Monomeric self adhesive foil	■	■	□	□	□
Car wrapping (cast self adhesive)	◊	□	◊	◊	◊
Clear PET (e.g. PMX729)	■	□	■	■	◊
Frame textile (e.g. Canvas)	■	□	■	■	□
Plastic hard foam (e.g. Forex)	■	◊	■	■	□
Soft foam board (e.g. Kapa)	□	◊	■	■	■
Folding carton	□	◊	□	■	◊
Corrugated boards	□	◊	■	■	■
Whiteback paper	◊	◊	■	■	■
Synthetic paper (e.g. Yupo)	□	◊	■	□	□
Coated satin paper (e.g. Gardamatt)	□	◊	□	■	■
Polystyrene / HIPS	■	–	■	□	□
Coated metal (e.g. Dibond, Dilite)	■	–	■	□	■
Hard rigid PVC	■	–	■	□	□
Magnetic PVC coated	■	□	■	□	□
PETG	■	–	■	◊	■
Acrylic/Plexi PMMA	□	◊	■	◊	■
Polycarbonte PC	□	–	■	◊	■
Polypropylene PP (corona treated)	■	–	■	□	■
Flexible Color-White-Color	■	■	□	□	◊
Rigid Color-White-Color	□	–	■	■	■
Wallpaper	■	◊	□	■	–
Hapt print application	■	–	■	■	–

■   recommended
□   substrate or application specific, limitations possible, customer tests recommended
◊   not recommended
–   not tested

* Recommendations are based on Durst internal ink tests and do not constitute a guarantee
  and are subject to change. Requierments may vary according to specific customers needs.
  Please contact your local Durst sales team for further information.

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P5

PRODUCTION EXCELLENCE

™

GREENGUARD
PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

VOC FREE

HEAVY METAL FREE

REACH COMPLIANT

P5 AUTOMAT powered by Elitron

The versatile high productive feeding and stacking system for full and 3/4 automated printing processes.

For more information, please visit

durst-group.com/p5automat

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P5 AUTOMAT powered by Elitron

The feeding and stacking system for versatile, safe automated production.

Safety metal coverage

> Safety regulatory fulfilment
> Avoids accidental collisions
> Perforated carters for workspace visibility

Extra large boards

> Manual operation for extra large boards
> Docking kit for roller tables

Safety light barriers

> System stops by accidental overstepping

Dual track operation

> Dual track loading/unloading
> Stack capacity up to 90 cm. (35.4 in)
> Suitable for different board sizes
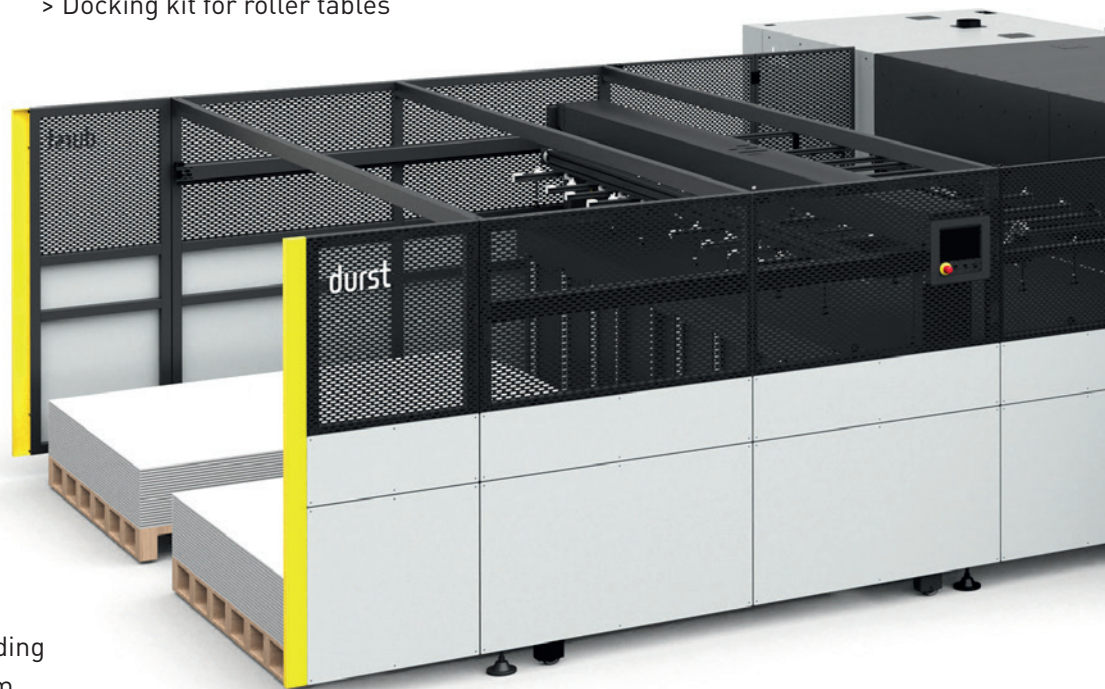
Boards registration

> High accuracy side and front media registration
> Selectable registration mode priority
> Media positioning by pick-up suction system

Servicing side doors

> Safe operation
> Quick opening
> Enable easy access for servicing

Media detection sensors

> Optical sensors for detection of any type of media
> Double sided printing registration

Adjustable suction sectors

> Media channel presets for suction cups activation
> Boards size versatility
> Suitable for thin media
> Turbo vacuum for heavy media

Sliding registration tables

> Enable the use of roll-to-roll without moving the entire system
> Fast material change
> Easy sliding operated by one person
> Quick lock and unlock system

Media pressure rollers

> Input pressure rollers for media loading stability with auto height adjustment by media channel
> Output pressure rollers to avoid media sliding on stacking side

Advanced software control

> Touch screen panel
> User friendly software
> Automatic media channel settings thanks to ID communication from printer to Automat

VIRTUAL SHOWROOM
More details, live demo, print samples.
showroom.durst-group.com/p5automat

P5 AUTOMAT MODELS

> Loading capacity up to 900 mm (35.4 in)
> Tracks up to 2

	Max. boards length	Max. boards width
P5 AUTOMAT 350/HS 2100	2150 mm (84.6 in)	3500 mm (137.8 in)
P5 AUTOMAT 210/HS 2100	2150 mm (84.6 in)	2100 mm (82.7 in)
P5 AUTOMAT 210/HS 3200	3200 mm (126 in)	2100 mm (82.7 in)
P5 AUTOMAT 250 WT 2100	2150 mm (84.6 in)	2500 mm (98.4 in)
P5 AUTOMAT 250 WT 3200	3200 mm (126 in)	2500 mm (98.4 in)

P5 AUTOMAT CONFIGURATIONS

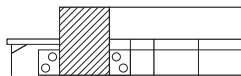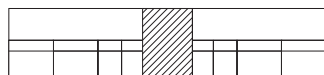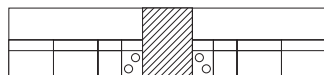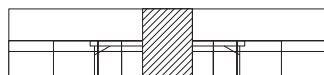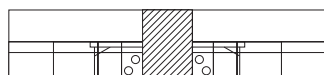|			
¾ AUTOMATION BOARDS		> Roller table for manual feeding > Automat Stacker > Continuous boards feeding	> 2 Tracks
¾ AUTOMATION HYBRID		> Roller table for manual feeding > Automat stacker > Continuous board feeding	> 2 Tracks > Roll tool
FULL AUTOMATION BOARDS		> Automat feeder > Automat stacker > Continuous board feeding	> 2 Tracks
FULL AUTOMATION HYBRID		> Automat feeder > Automat stacker > Continuous board feeding	> 2 Tracks > Roll tool
FULL AUTOMATION EXTRA SIZE MANUAL BOARDS		> Automat feeder > Automat stacker > Continuous board feeding	> 2 Tracks > Roller tables with docking kit
FULL AUTOMATION EXTRA SIZE MANUAL HYBRID		> Automat feeder > Automat stacker > Continuous board feeding	> 2 Tracks > Roll tool > Roller tables with docking kit

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DURST SOFTWARE & SOLUTIONS

forFor more information,
please visit

**durst-group.com/software**

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DURST SOFTWARE & SOLUTIONS

A revolutionary software eco-system that covers all relevant aspects of your printing business – open and modular.

Durst Software & Solutions offers smart and simple software solutions to streamline the process "From Pixel to Output". The solutions which are specifically tailored to digital printing – from initial file creation through prepress to production and final analysis – help improve your printing production processes and simplify your business. Consulting and training services tailored to your specific needs will help you to achieve optimized work processes.

The Durst software is modular and can be flexibly adapted to your needs – from a simple stand-alone solution to a fully integrated system.

All products are individually expandable and can be used for large format, label, corrugated, and textile printing.

Web-to-Print

Prepress & production

YOUR
production
environment

ERP/MIS
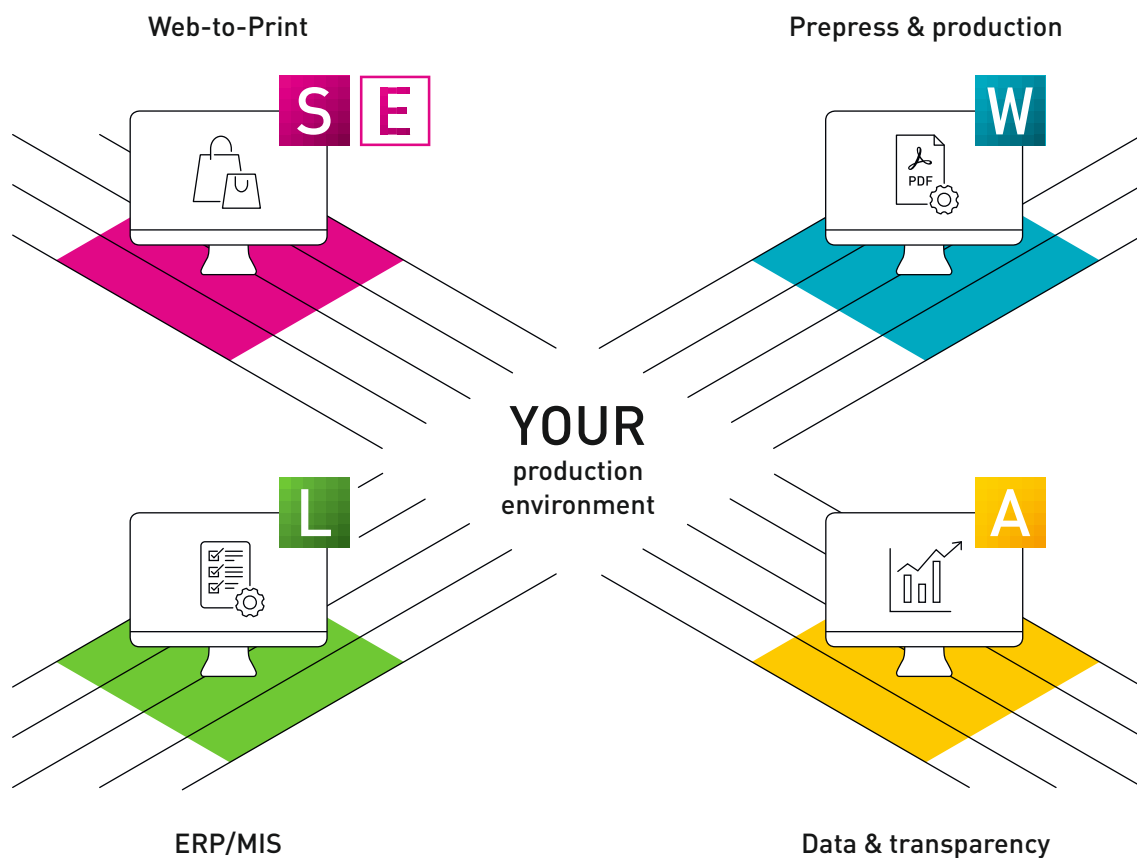
Data & transparency

PRODUCT OVERVIEW

ERP/MIS
Durst Lift ERP

Durst Lift ERP is a print specific cloud-based ERP system that automates all processes within your printing company and provides a transparent, paperless and interactive experience for you and your customers. A configurable software suite to keep your print shop running lean and efficient. Streamline your business from quote to delivery with Lift ERP.

WEB-TO-PRINT
Durst Smart Shop & Editor

Durst Smart Shop is an innovative web-to-print solution designed for the printing industry. From the online sale of products with print specific attributes to the print-ready PDF file: a global solution to address target specific groups, get new customers and offer them unlimited personalization options with the online editor, Durst Smart Editor.

Durst Smart Editor is a cloud-based application that allows personalized print products to be designed directly in the web-browser. It is easy to integrate into your existing web shop via API. Allow your customers to get exactly what they want with real-time product customization and realistic previews and receive their orders as a print-ready files.

PREPRESS & PRODUCTION
Durst Workflow

A browser-based software solution that combines prepress and production automation tasks. File checking, data preparation, color management, ink and media saving and much more. Durst Workflow is the ideal toolbox to ensure an efficient production flow with optimal results in the shortest time. Generate print predictable files, manage your process according to your production requirements and get real time feedback on the current status with Durst Workflow.

DATA & TRANSPARENCY
Durst Analytics

The analytics software designed for your Durst printer to allow data-driven decisions. Customized dashboards with key performance information, production timelines, detailed job information as well as KPI reports. Spare part conditions are also effortlessly checked to allow preventive maintenance operations. Increase your productivity and keep your equipment under control with Durst Analytics.

DURST SMART FACTORY

A smooth path to peak performance with Durst's software and solutions.

The Smart Factory approach from Durst is about providing a holistic product portfolio with accompanying services, designed for 360° business solutions, offering not just the printing systems themselves but e-commerce, PDF workflow, ERP, analytics, consulting, integration services, and training. This scalable approach enables your business ideas and innovations.

CUSTOMER EXPERIENCE
Engage your customers with digital touchpoints along the entire sales and fulfillment process. As you implement services such as online shops, dedicated customer portals, order tracking, instant notifications on mobile devices, and automated approval processes, your customers will thank you with many (re)orders.

PROCESS AUTOMATION
Complete automation of repetitive tasks gives you more time for the creative work. Paperless production and embedded quality assurance will increase your internal efficiency, while faster turnaround times and transparent order status information will excite your clients.

PRODUCTION LINE AUTOMATION
A digital workflow increases productivity, reduces error rates and any necessary reprints through defined file preparation and balanced color calibration between all printers.

DATA GENERATION
Digital processes provide data and the corresponding history. This is the basis for any kind of improvement, whether in sales, process efficiency and speed, quality, or maintenance; they all result in lower operating costs and higher revenues.

Take the next step towards the Smart Factory with Durst Software & Solutions!
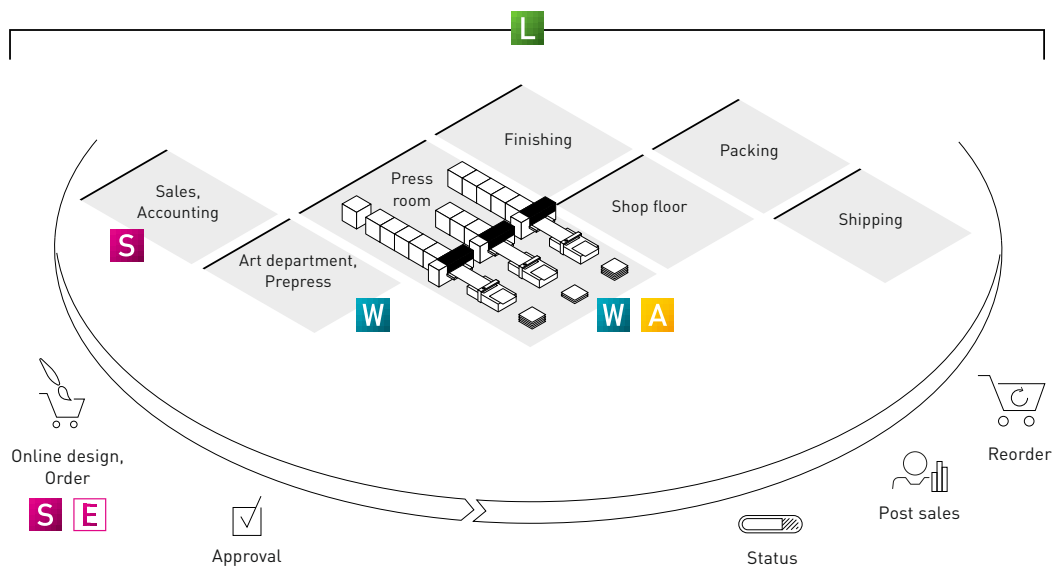
More details about the
Smart Factory concept
durst-group.com/smartfactory

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DURST
TRAININGS

For more information,
please visit

durst-group.com/trainings

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DURST TRAININGS

In our training center, customers have the opportunity to take part in one of our target-group-oriented training courses. Alternatively, tailor-made training concepts can also be offered.

OPERATOR

> **Qualified operator**
> **Printing process control**

Training for machine operators to learn the general handling and maintenance of the printing system.

PRINT WORKFLOW PREPRESS

> **Printing performance**
> **Effective workflow**

Training for Durst Workflow from prepress to final printing: theory and implementation of printer linearization, media profiling, determination of ink limits and color-management-specific settings.

MAINTENANCE OPERATOR

> **Operator training**
> **Preventive maintenance**
> **Guided troubleshooting**

Level 1: Training for maintenance operators to deepen their knowledge of the regular and preventive maintenance of machines for a flawless production as well as remotely guided first-aid troubleshooting.

MAINTENANCE ENGINEER

> **Basic printer operations**
> **Preventive maintenance**
> **Guided troubleshooting**
> **Proper repair**

Level 2: Training for maintenance technicians to deepen their knowledge of the regular and preventive maintenance of machines as well as troubleshooting to acquire advanced technical knowledge.

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FROM
PIXEL
TO
OUTPUT

For more information,
please visit

durst-group.com

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DURST GROUP

We are a manufacturer of advanced digital printing and production technologies with headquarters in Brixen, South Tyrol, Italy. Our core business is digital inkjet printing and the associated ecosystem of printing inks, software and services. We offer holistic solutions in the following business areas:

GRAPHIC BUSINESS	SPECIAL SOLUTIONS	LABEL & FLEXIBLE PACKAGING	NEW BUSINESSES
Large Format Printing Textile Decoration	Ceramics Digital Glaze Industrial 3D	Label Digital Label Hybrid Specialty Packaging	Software & Solutions Corrugated & Folding Carton

OUR CORE VALUES

To earn loyalty and respect from our customers and employees
by providing high-tech systems and solutions in the highest quality and
by being true to ourselves:

›A little big company with firm roots in Tyrol‹.

Christoph Gamper
CEO & Co-Owner, Durst Group AG

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