

# KJET / XJET

EN



## THE NEW BENCHMARK FOR HYBRID PRINTING SYSTEMS



For more information,  
please visit  
[durst-group.com](http://durst-group.com)





# UNLEASHING THE BOUNDARIES OF PRINTING

---

Welcome to the start of the next revolution for the label and flexible packaging market.

The new KJet and XJet printing presses include seamless integration of analog printing technologies and best in class digital UV Inkjet technology. This fusion promises unmatched quality, performance and customization possibilities for the labels and flexible packaging industry.

Seamlessly integrated into your company's production environment, the new KJet and XJet add user friendly power to your label factory.

Join us on this journey as we redefine industry standards, marrying tradition with innovation to unlock the next generation of printing presses.

- > Quality fusion
- > Efficiency enhancement
- > Innovation leadership
- > Customer-centric approach
- > Single point of contact

---

# HYBRID PRINTING SOLUTION

## THE ULTIMATE INTEGRATION

Durst hybrid printing solutions are the true combination between the renowned Omet flexo quality and the cutting edge Durst digital Inkjet printing technology. This merge brings to the market a paramount symbiosis in which analogue and digital printing unite the maximum level of automation and reliability to provide the unrivalled benchmark of productivity independently from the length or complexity of the run. Always one step ahead in production planning and execution with the freedom of choosing whether to use flexo or digital, or both, according to daily production demand and brand's requests, thus choosing the most convenient combination at every run.

## IN-LINE MULTI-PROCESS CONFIGURATION

KJet and XJet offer an innovative way to extend label printer's productivity and erase unnecessary costs. Endless possibilities with in-line multi-process configuration, combining Durst Inkjet technology with flexo technology, plus exclusive finishing and converting solutions to obtain the perfect final product always in one single passage.

Explore the advantages of the two printing technologies in one press. It widens significantly the range of printing opportunities, adapting the production to changeable market trends like personalization, just-in-time deliveries and final product added value.



### ADAPTABILITY

3 presses in 1

- > Get the final product in one single passage
- > Combine digital, flexo, finishing, converting modules
- > Unlimited flexibility in terms of substrates and range of applications



### PRODUCTIVITY

Increase your production by reducing waste

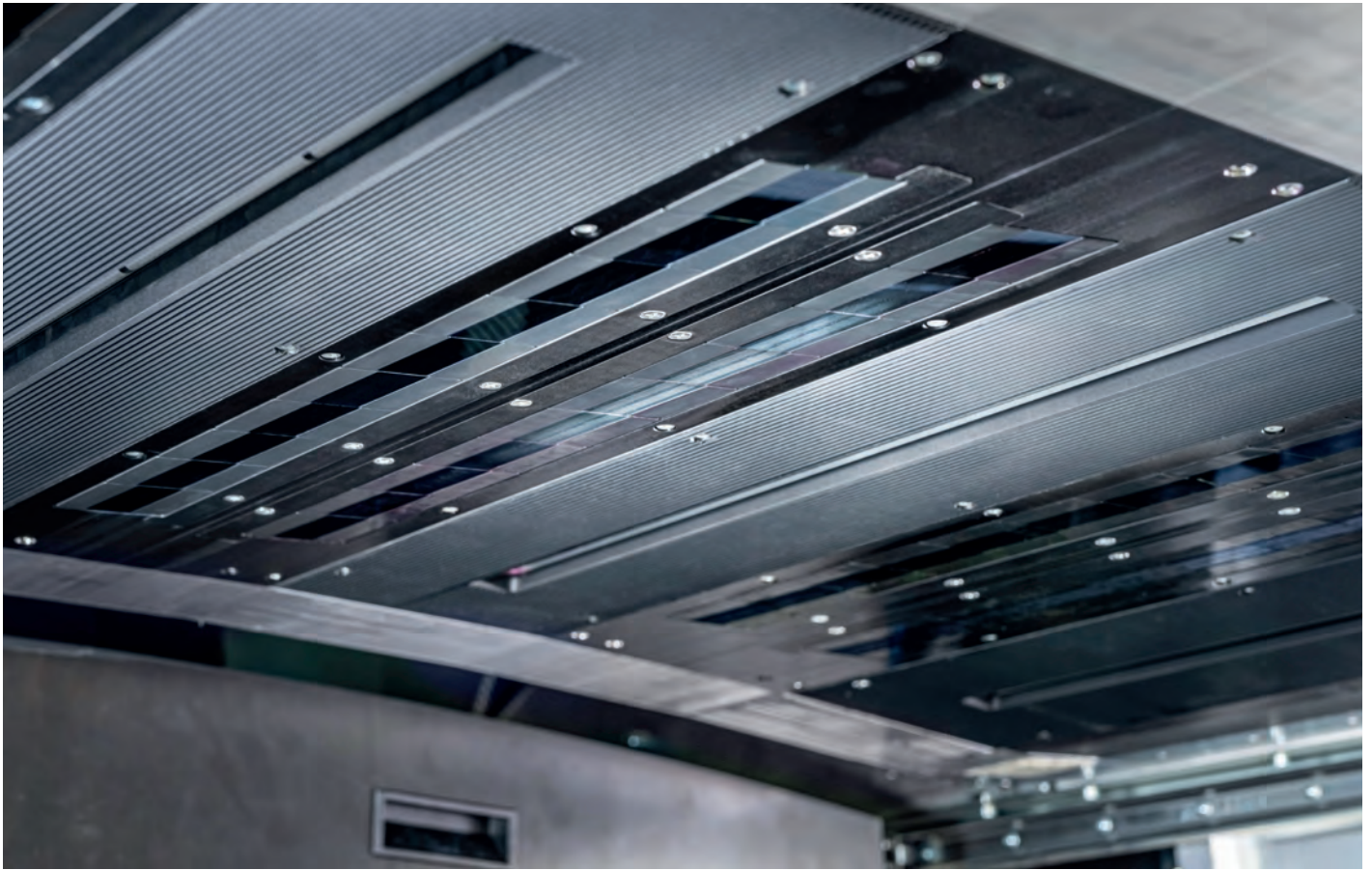
- > Get faster ROI with highest up-time
- > Choose the most suitable printing process at every run
- > Optimize production time and costs



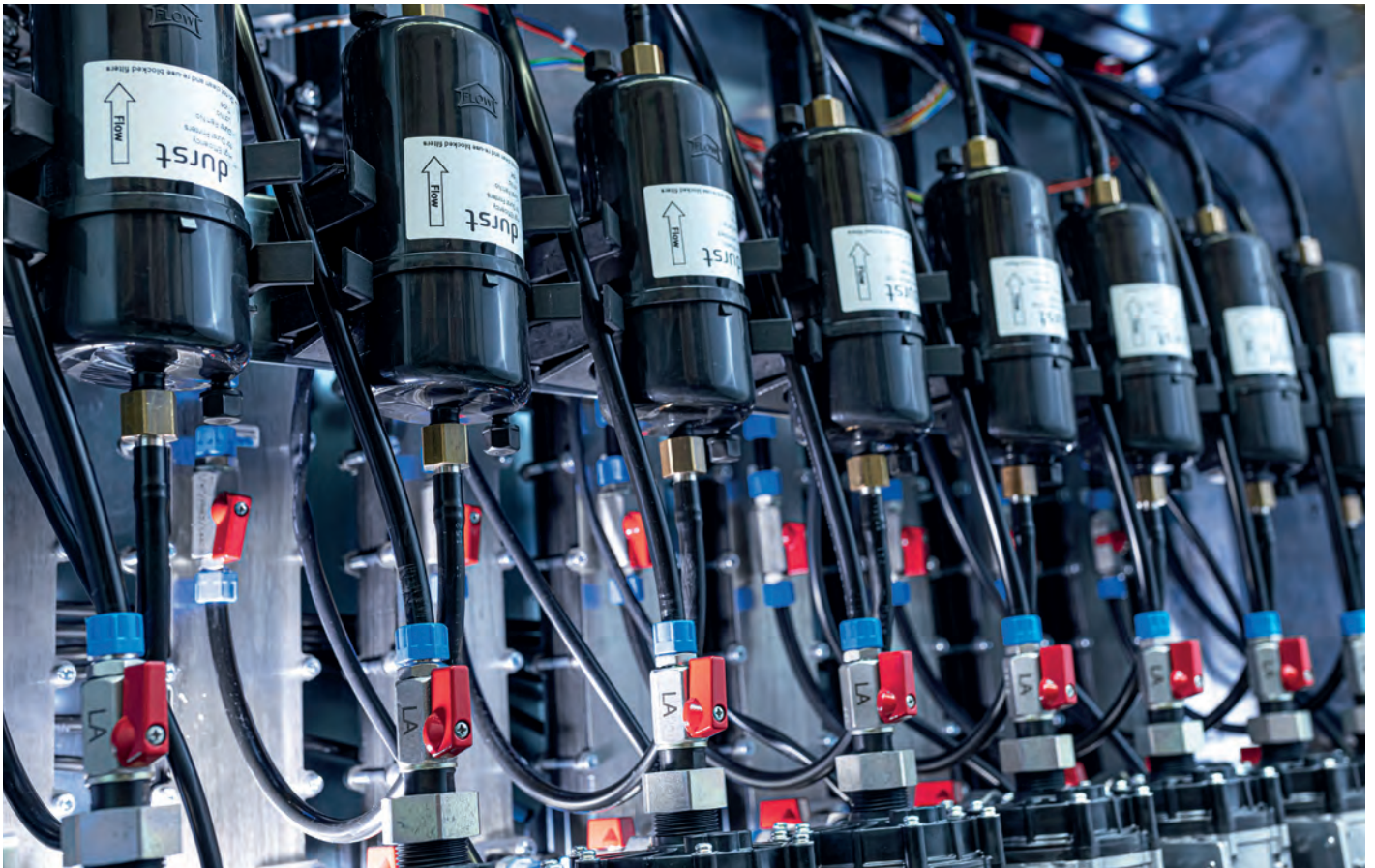
### CUSTOMIZATION

Ready to meet any need

- > Fulfill just-in-time deliveries and test orders
- > Product versioning and variable data printing
- > Add strategic value to the final product



Digital print area of KJet and XJet with up to 510 mm digital printing width.



Durst Inkjet inking section, organized and easy to access.

---

# KJET

## The new KJet is the ultimate hybrid concept. It is the full labels factory in one press.

Combining the great 'cylinder-base dual-servo' flexo technology from Omet, with the robustness and reliability of Durst RSCi digital printing engine, the KJet line is born to be the benchmark in hybrid printing machines.

It provides the operators with a new experience in simplicity and easy of use together with an ultra-short web path that minimizes waste and reduces the set-up times highlighting the benefits of digital printing.

The power of its automation and register control redefine the concept of versatility and extend the boundaries of printing and converting solutions.

Endless possibilities of applications, from labels to packaging without compromising on performance or print quality.

### Simplicity like no other

- > Automatic register control
- > Operator-oriented design
- > Ultra short web path
- > Ease of use
- > Quick flexo set-up with light tooling

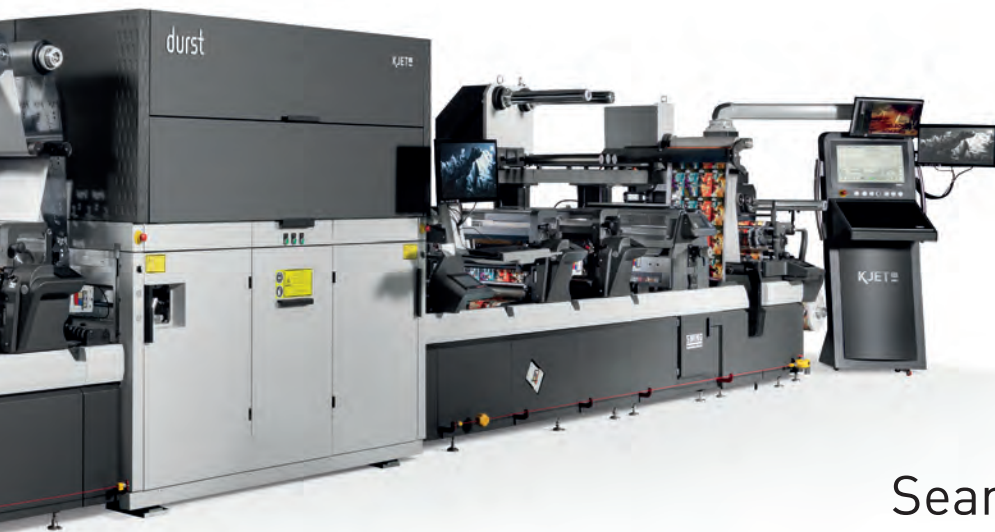


### All converting possibilities

- > Cutting edge semi-rotary die cut
- > Full rotary die with Easy-Change
- > No limit converting options (Peel and Seal, turn bars, lamination, foiling, silk screen, etc.)
- > Complete addaptability

## Single line label factory

- > All converting and printing possibilities in one device
- > Possible to connect with non-stop winders
- > Interchangeable units (optional)
- > Remote monitoring and servicing



## Seamless digital-analogue integration

- > Cutting edge register control
- > Omet Vision camera system
- > Autonomous tension control in the entire press
- > Full-control user interface
- > Complete Durst Workflow (DWL) integration and control

## Unrivaled output and productivity

- > Up to 100 m/min printing speed
- > 420 mm and 510 mm digital printing width (>3000 sqm/h max output)
- > Screenlike digital white up to 80 m/min
- > Multi-functional platform

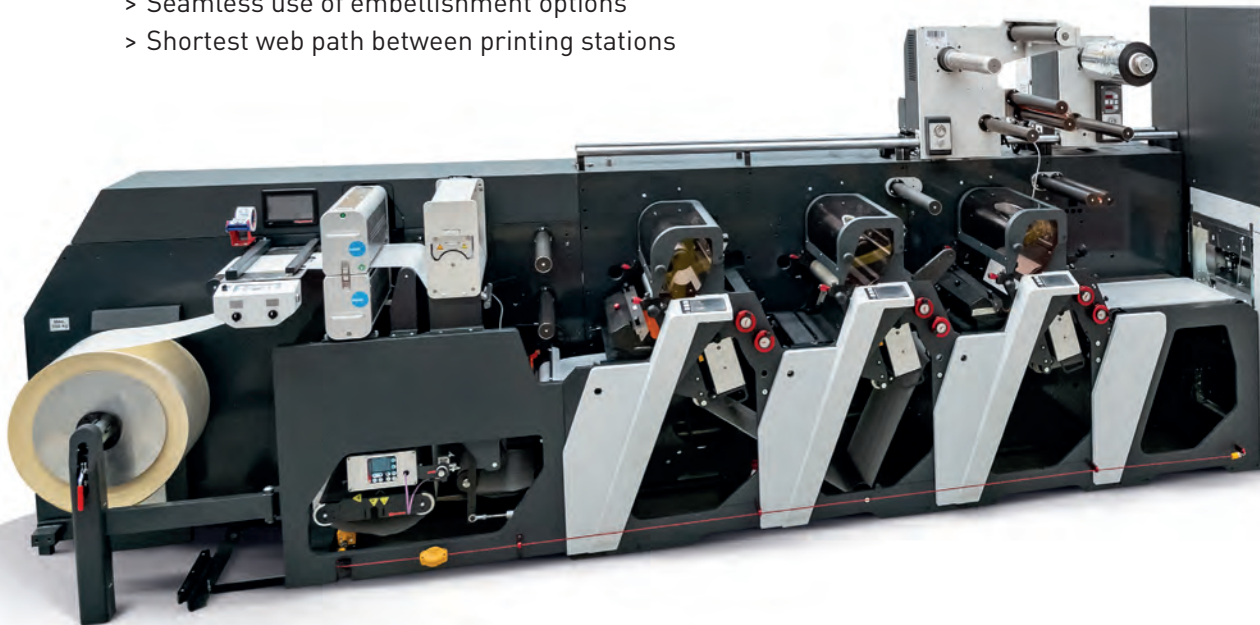
## Established and high end label production with perfect interaction between analogue and digital.

Installed in multiple dozens of world wide leading label converters the XJet proves to be the reliable and easy to use hybrid press. Available now in its third generation

it provides multiple fine tuned features, which make the life of the operators as easy as possible in order to allow them to create highest output numbers.

### Secure converting for long print runs

- > Different diecut options for every companies need
- > Monotwin cut or twist easy change system
- > Seamless use of embellishment options
- > Shortest web path between printing stations



### Automatic print registration

- > Perfect coordination between conventional and digital
- > Quick setup and stable during printing
- > Omet Vision or Multivision automatic register adjustment and control



## Flexibility with digital inkjet

- > 1200x1200 dpi for photorealistic print
- > Automatic maintenance for inkjet heads
- > Automatic nozzle compensation for maximum uptime
- > 95% Pantone coverage (dE00<2) and highest opacity white

## Perfected flexo technology

- > Servo direct drive technology
- > Gearless concept
- > Sleeve based for easy usage
- > Purest print quality with perfect register



## UV or LED

- > UV mercury or LED curable inks for the digital unit
- > UV mercury, LED or interchangeable for the flexo stations
- > Lowest energy consumption and most sustainable

## Digital workflow and efficient support

- > Durst Workflow Label for exact color management
- > Pre-print ink cost calculation
- > Powerful variable data tool with easy setup
- > Secure remote connection tool for fast troubleshooting and support

# TECHNICAL OVERVIEW

## FLEXO

### KJET PLATFORM

	430	530
Web width	430 mm (16.87 in)	530 mm (20.87 in)
Print width	420 mm (16.5 in)	520 mm (20.5 in)
Printing repeat	6 in – 24 in	8 in – 24 in
Flexo print technology	Dual servo – plate cylinder	
Register adjustment and control	Automatic	
Drying systems	Hot air, UV, UV LED	

### KJET AVAILABLE DIE-CUTTING UNITS

	430	530
ECDC Easy-Change Die Cut	12 in – 24 in	16 in – 24 in
SWING Semirotary die-cutting system	10 in – 24 in	10 in – 24 in

### XJET PLATFORM

	430	530
Web width	430 mm (16.87 in)	530 mm (20.87 in)
Print width	420 mm (16.5 in)	520 mm (20.5 in)
Printing repeat	12 in – 25 in (10 in optional)	
Flexo print technology	Direct drive – sleeve	
Register adjustment and control	Automatic	
Drying systems	Hot air, UV, UV LED	

### XJET AVAILABLE DIE-CUTTING UNITS

	430	530
Double die-cutting station	12 in – 25 in	12 in – 25 in
TWIST die-cutting unit	12 in – 25 in	16 in – 25 in
MonoTwin Cut	12 in – 25 in	12 in – 25 in
Cassette-style die-cutting	12 in – 25 in	16 in – 25 in

### OTHER AVAILABLE OPTIONS

- > Cold foil & lamination
- > Rotary silk screen
- > Hot foil
- > Peel & Seal
- > Delam-Relam

## DIGITAL

### TAU RSCi

Print width	338 mm (13.3 in) 420 mm (16.5 in) 510 mm (20 in)
Max. speed	Up to 100 m/min (328 ft/min)
Printing technology	Digital UV inkjet
Native resolution	1,200 x 1,200 dpi
Color configuration	CMYK + O,V,G,W (optional)
Inks	Tau RSC UV Ink 3 Tau RSC LED Ink
Drop size	2 – 4 – 6 pl
Automated nozzle compensation system	Included
Automatic density adjustment	Included
Workflow system	Durst Workflow Label

### TAU RSCi – AVAILABLE OPTIONS

Double white	Printing white with highest opacity at 80 m/min (262 ft/min)
High opacity white	40 m/min (131 ft/min) or 52 m/min (170 ft/min)
Repeat length extension kit	Up to 6,000 mm repeat length
Variable data printing	All colors, 80 m/min (262 ft/min)
ERP integration interface	Available

# DURST SOFTWARE ECOSYSTEM

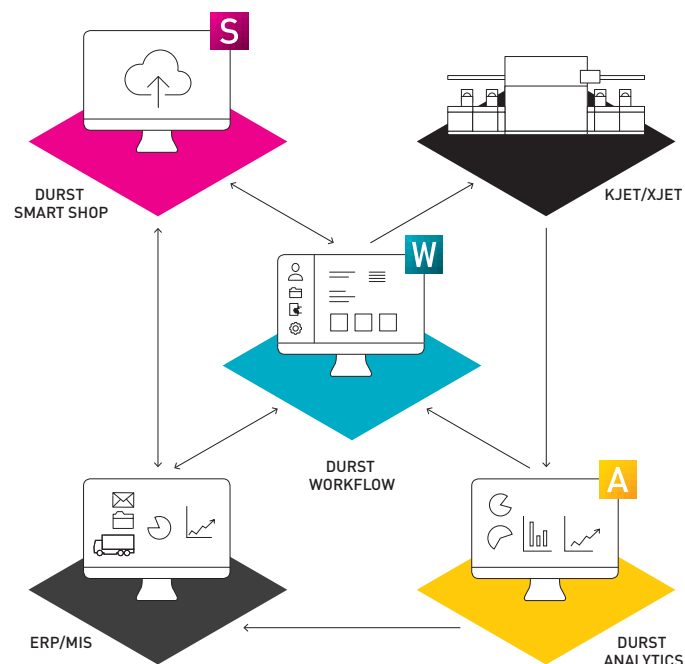
Both, KJet and XJet, come together with the Durst Workflow Label software and the monitoring tool Durst Analytics.

The browser based and therefore accessible software tools can be fully integrated into the customers IT infrastructure. With the help of Durst Workflow Label it is possible to fully automate preflight, file preparation and ripping of the print jobs. Accurate color management guarantee perfect color matching and the newly developed VDP browser opens up new possibilities.

- > Ink usage calculation and save ink functionalities
- > Expandable RIP architecture and virtualization possibilities
- > Automatic file preparation to use the automatic register control functions
- > Easy to use VDP tool
- > Various color management tools for perfect color matching
- > More than 100 pre-defined corrections for data preparation
- > REST API interface for bi-directional connection to the customers IT infrastructure

**DURST OFFERS A LARGE SOFTWARE SUITE FOR DIFFERENT USE CASES INCLUDING:**

- > **LIFT ERP**  
The single integrated platform to run every aspect of your business
- > **Web to Print – Ecommerce**  
The ultimate solution fully managed for the complete processing of print orders
- > **Web to Print – Editor**  
The graphical online editor to allow print products to be designed directly in the web browser
- > **Analytics**  
Understand and optimize the performance of your Durst printer



# PRODUCTS & APPLICATIONS

Widen your possibilities. Durst hybrid printing solutions gives you the opportunity to extend your product portfolio as much as you want.

Your imagination and intuition will drive your business to a new level thanks to the flexibility and the reliability of the KJet or the XJet.

- > Self-adhesive labels
- > Multi-layer labels
- > Wraparound
- > Shrink sleeves
- > Wet-glue labels
- > Tags & tickets
- > Lids
- > Lamitube
- > In-Mold-Lables (IML)



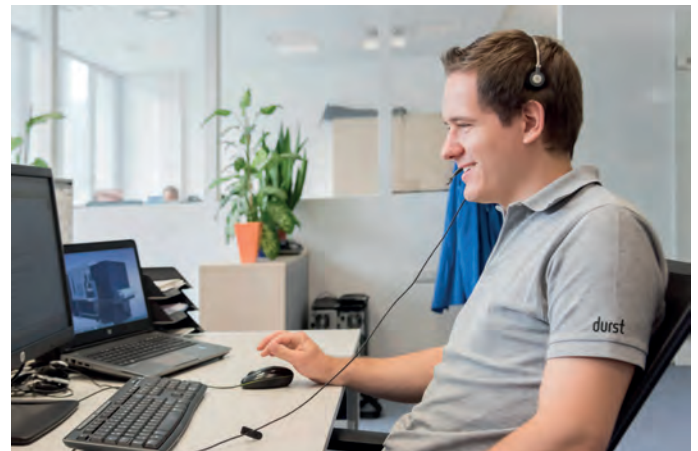
---

# SERVICE & CUSTOMER CARE

In our commitment to providing unparalleled support, we have implemented a streamlined service experience facilitated by a 'single point of contact' approach.

This initiative ensures that all inquiries and requests related to service and application are efficiently addressed, minimizing time wastage and eliminating potential overlaps. With our array of innovative service offerings, we're dedicated to maximizing your experience and minimizing any operational challenges.

- > Single point of contact – your Durst partner
- > Remote assistance for instant solutions
- > Intuitive spare part order portal
- > Proactive maintenance
- > Local support in your language
- > Tailor-made training concepts



---

# 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

Large Format Printing  
Textile  
Decoration

## SPECIAL SOLUTIONS

Ceramics  
Digital Glaze  
Industrial 3D

## LABEL & FLEXIBLE PACKAGING

Label Digital  
Label Hybrid  
Specialty Packaging

## NEW BUSINESSES

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‹.

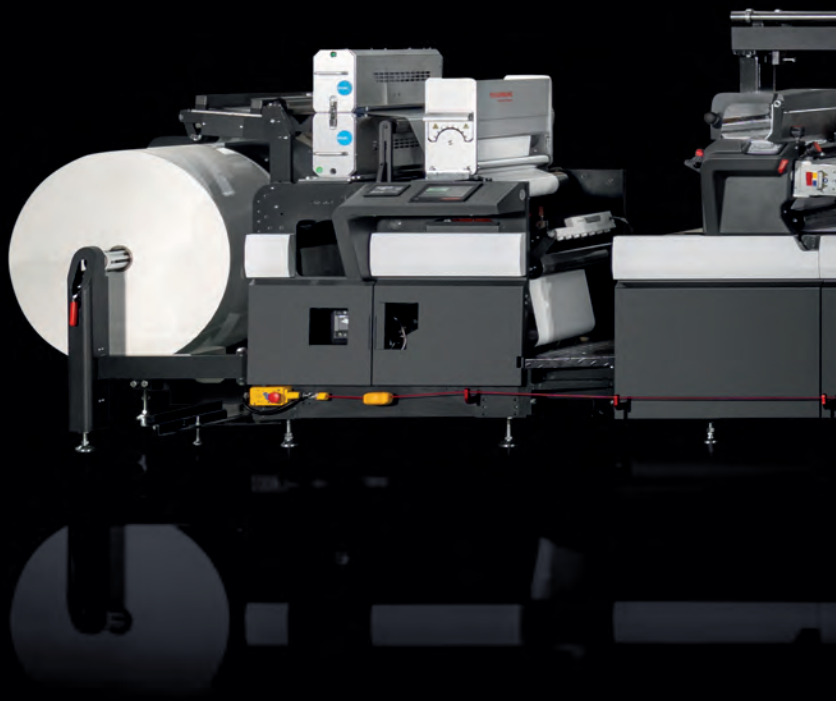
Christoph Gamper  
CEO & Co-Owner, Durst Group AG



durst

READY TO  
PRINT

durst-group.com



---

**Durst Group AG, Headquarters**  
Julius-Durst-Str. 4, 39042 Brixen, Italy  
P +39 0472 810111, [info@durst-group.com](mailto:info@durst-group.com)  
[durst-group.com](http://durst-group.com)



The durst logo features the word 'durst' in a lowercase, bold, sans-serif font, centered within a white square.