



Delta SPC 130

Digital high quality post print for industrial production



Reimagining printing. Unboxing possibilities.

DELTA SPC 130

INDUSTRIAL DIGITAL PRINTING

The Delta SPC 130 is based on the latest generation of single-pass printing systems that Durst is already using successfully in the ceramics and label-printing segments. This single-pass technology has been continuously developed since 2005. Koenig & Bauer Durst has adapted and optimized this single-pass platform to the needs of the corrugated board industry. The Delta SPC 130 combines a well-engineered mechanical design with easily accessible sub-assemblies and selected components to guarantee durable quality and high performance. It is a printing system that offers unrivaled versatility, low maintenance requirements and 24/7 reliability.

The Delta SPC 130 is equipped with recirculating Durst Quadro Array printheads and waterbased inks. These form the basis for the constant readiness for operation and reliability in industrial, multi-shift production environments. With our Flexline concept, we can offer the ideal solution based on the different customer needs.

The standard resolution for most of the production is 800 dpi. For printing of fine details and small text the Delta SPC 130 offers 1000 dpi as the highest resolution. For very high productivity a 600 dpi mode is available too.

1,300
mm

max. sheet width

2,800
mm

max. sheet length

600
mm

min. sheet width and length

12
mm

max. sheet thickness

1
mm

min. sheet thickness (F-flute)

4 - 6
colors

CMYK+Or+Vi (Gn on request)

DURST WATER TECHNOLOGY

Our philosophy in developing our entire SPC digital printing system is to ensure that we can support converters to comply with the ever-changing regulatory environment by eliminating as many process steps with third party fluids as possible.

Durst Water Technology inks are an integral part of the long-term Durst strategy of offering sustainable digital printing systems as an alternative to conventional printing systems for the packaging and display market.

Entirely in synchrony with the requirements of the corrugated cardboard and solid cardboard industry, these are eco-friendly, marking-free, water-based,

organic-pigmented and monomer-free ink systems. They represent the next technological milestone in water-based ink systems, as they allow high-quality, odor-free, indelible, glossy and non-fading products to be manufactured in a single process. Durst Water Technology means that pre-treatment, interim drying and overprinting steps can be eliminated.

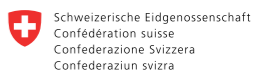
- **Odorless**
- **Flexible**
- **Non-fading**
- **High-gloss**
- **Abrasion resistant**

PRIMARY FOOD PACKAGING

Certified by SQTS - Swiss Quality Testing Services tested the Delta SPC 130 ink set for primary food-safe packaging printed on corrugated cardboard box. For this application printing on the exterior, non-food contact side was approved.

INK SET: DURST WT FOOD SP INK

- ✓ **SQTS - Swiss Quality Testing Services tested**
- ✓ **GMP compliant ink production**
- ✓ **UL 2801 ECOLOGO certified**
- ✓ **Nestlé compliant**
- ✓ **Swiss ordinance compliant**
- ✓ **EuPIA conform**



RECYCLING AND DEINKING

Durst Water Technology prints were evaluated by the independent German institute Papiertechnische Stiftung (PTS). The testing of recyclability of the Durst WT Food SP inks was carried out in accordance with the PTS method PTS-RH 021:2021 – Category I: Paper and board for Recycling (PfR). The criteria used in the assessment of the recyclability were the percentage of non-paper constituents, disintegratability, adhesive impurities and the deinkability according to INGEDE Method 11.

DIGITAL WATER-BASED WHITE

EXPLORE THE POSSIBILITIES OF THE WORLD'S FIRST DIGITAL WATER-BASED WHITE



- The only water-based white ink available for inkjet on corrugated surfaces, specifically designed for primary food packaging.
- Enhance profitability by utilizing cost-effective plain brown media while maintaining high print quality.
- Experience improved quality and accurate color matching for brand colors on brown and lower-grade white media.
- Ideal for e-commerce applications, blending an eco-friendly aesthetic with your sustainability goals.
- Unlocks a myriad of embellishment options across diverse markets, including gift packaging and seasonal promotions.

DIGITAL PRIMER

4 WAY STRATEGY

The digital priming station is widening the range of top liners and therefore the possibility of various applications. As an add-on for the Delta SPC 130, the digital priming station can be installed from the beginning or upgraded in the field later.

- Non-crush priming process
- Widens substrate range significantly
- Flying job change with spot priming
- Fully compatible for variable data printing

Print quality

- Enhancement of print quality
- Improves fine details and text sharpness
- Optimization of color gamut

Top liner

- Allows the use of thinner and lower grade top liner
- High cost saving potential
- Improved TCO compared to conventional priming

Printing effects

- New effects possible
- Special designs for premium products

Ink consumption

- Strong ink saving impact especially for uncoated paper




DELTA SPC 130 AUTOMATIC

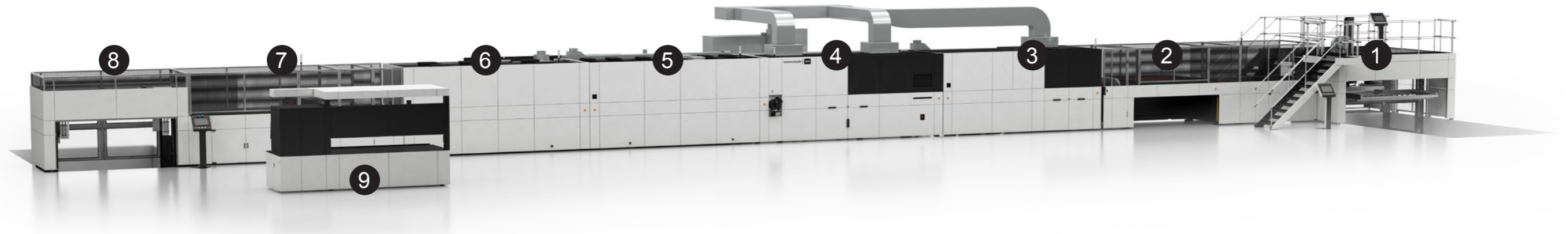
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DELTA CONTROL STATION

- Central control area to run the single-pass digital printing line
- Video support

Specifications

Max. sheet size	1,300 x 2,800 mm 67 x 110" 1,300 x 2,100 mm 51x83" – optional
Min. sheet size	600 x 600 mm 23,5x23,5"
Max. sheet thickness	12 mm 0,47"
Min. sheet thickness	1 mm (F-flute) 0,04"
Max. stack height	2,000 mm 6,6 ft
Print speed – high quality	up to 90 m/min 295 ft/min
Print speed – high productivity	up to 120 m/min 400 ft/min
Resolution	1,000 / 800 / 600 dpi
Colors	4C - 6C Or Vi (Gn on request) 
Line length	38 - 44 m 125 - 144 ft



8

STACKER AUTOMATIC

- Single sheet down stacker
- Non-stop functionality

7

STACKER CONVEYOR AUTOMATIC

- Automatic waste gate after printing
- Additional manual eject gate for test sheet

6

COOLER

- Condition unit for exceptional rub resistance without OPV
- Reduces board temperature for easier post treatment

5

DRYER

- Highly efficient dryer combination with infrared (IR) and hot air

4

DELTA SPC 130 PRINTER

- High quality digital print on all coated and uncoated top liners
- Robust and long lasting piezo inkjet printheads
- Minimized job change set-up time

3

DIGITAL PRIMER – OPTIONAL

- Digital pre-treatment of uncoated and coated top liner

2

FEEDER CONVEYOR AUTOMATIC

- Board quality control
- Automatic waste gate to eject bad quality boards
- Contactless board cleaning

1

FEEDER AUTOMATIC

- Top feeder technology
- Non-stop functionality

DELTA SPC 130 ECO+

Specifications	
Max. sheet size	1,300 x 2,800 mm 67 x 110" 1,300 x 2,100 mm 51x83" – optional
Min. sheet size	600 x 600 mm 23,5x23,5"
Max. sheet thickness	12 mm 0,47"
Min. sheet thickness	1 mm (F-flute) 0,04"
Max. stack height	starting from 1,100 mm 3,6ft
Print speed – uncoated paper	up to 80 m/min 262 ft/min
Print speed – coated paper	up to 60 m/min 197 ft/min
Resolution	1000 / 800 / 600 dpi
Colors	4C - 6C Or Vi (Gn on request) ● ● ● ● ● ●
Length of platform	27 - 33 m 88,5 – 108 ft



DELTA CONTROL STATION
– OPTIONAL

- Central control area to run the single-pass digital printing line
- Video support

STACKER ECO+

- Single sheet down stacker

STACKER CONVEYOR ECO+

- Manual waste gate after printing

DRYER ECO+

- Highly efficient dryer combination with infrared (IR) and hot air
- Condition unit for exceptional rub resistance without OPV
- Integrated cooler reduces board temperature for easier post treatment

4

DELTA SPC 130 PRINTER

- High quality digital print on all coated and uncoated top liners
- Robust and long lasting piezo inkjet printheads
- Minimized job change set-up time

3

DIGITAL PRIMER
– OPTIONAL

- Digital pre-treatment of uncoated and coated top liner

2

FEEDER CONVEYOR ECO+

- Board quality control
- Manual waste gate to eject single bad quality boards
- Contactless board cleaning – optional

1

FEEDER ECO+

- Top feeder technology
- Semi-automatic fast stack change

TRAINING CENTER

TAILORED TRAINING PROGRAMS – OPTIMIZED PRODUCTION

At our training center, we offer customized training programs covering a wide range of requirements: operator training courses, training for in-house engineers focusing on maintenance and the transfer of technological expertise, as well as Koenig & Bauer Durst Workflow training courses covering everything from the image file to the final print product.

We also focus on teaching theory and practical application for printer linearization, media profiling, ink limitation and color management. All of our training courses are practice-oriented to optimize ramp-up phases, ensure smooth production processes and to maximize the performance, quality and productivity of your investment.

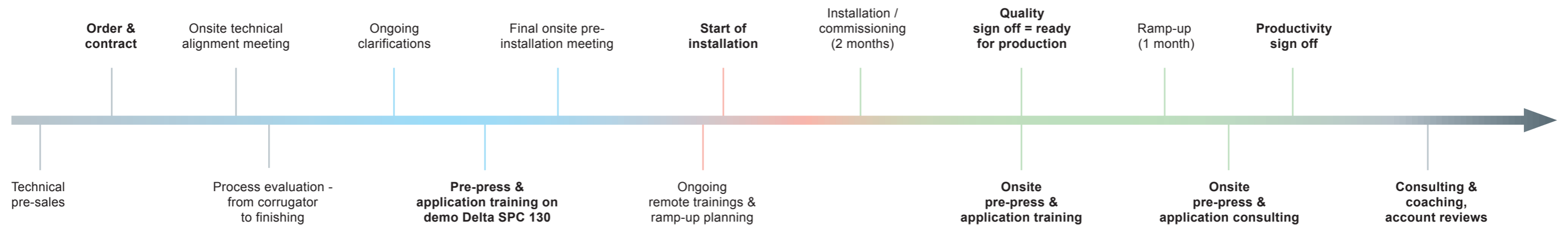
PRE-PRESS AND APPLICATION TRAINING

- General introduction to Delta SPC 130
- Board flow through the press
- Quality requirements for boards
- Introduction and training on GUI
- Introduction to Koenig & Bauer Durst Workflow
- Color management & profiling
- Pre-press training on existing customer jobs
 - Transfer jobs from flexo/offset to digital
 - Edit and modify jobs
 - "Print it yourself"
- Show best practices and how to avoid bad practices
- Define job portfolio for ramp-up phase

CONSULTING AND COACHING – A WIN-WIN PARTNERSHIP

- Overcome unforeseen challenges
- Realize special applications & specific brand requirements
- Gain and realize new opportunities
- Stay ahead of competitors
- Regular account reviews
 - Benchmarking
 - Market trends
 - R&D updates around the Delta SPC 130 ecosystem
 - Supply customers with latest innovations

THE COURSE OF A HOLISTIC DELTA SPC 130 PROJECT



SERVICE AND CUSTOMER CARE

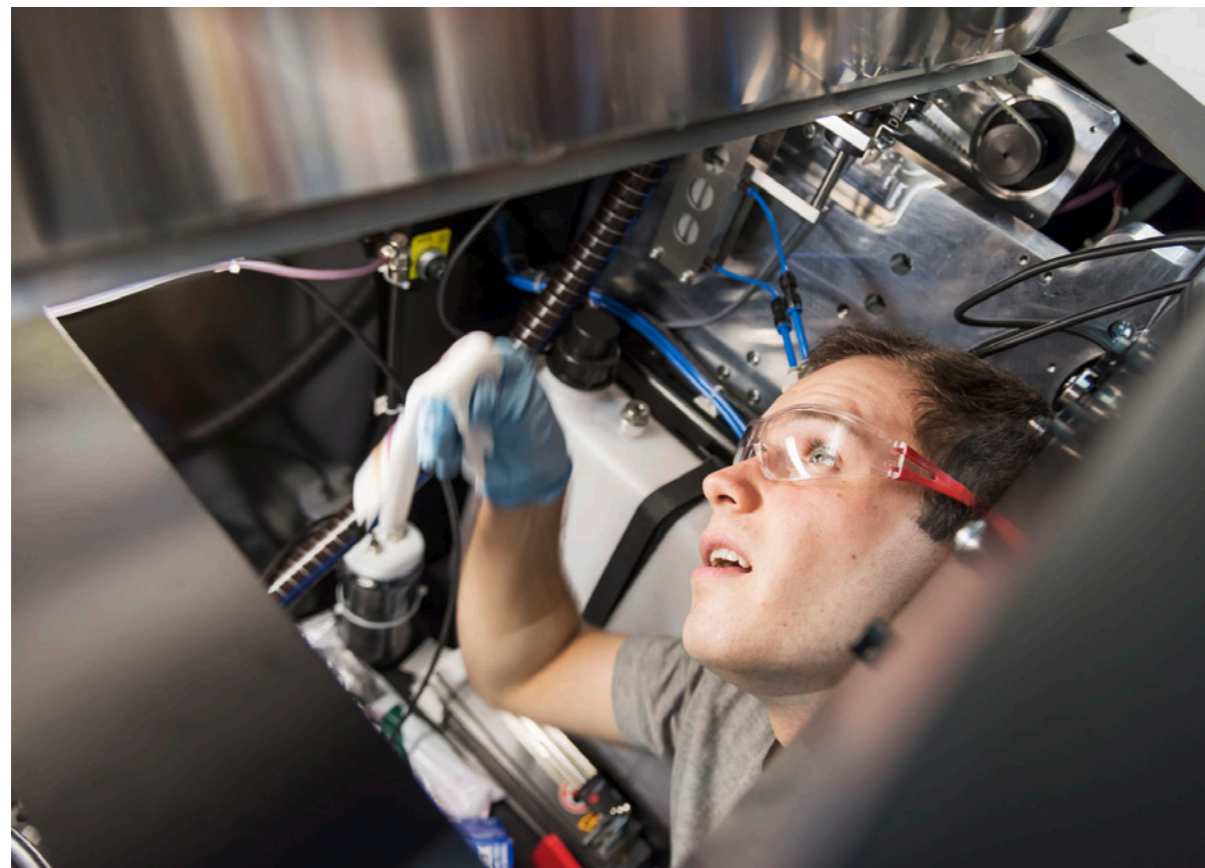
A SERVICE NETWORK YOU CAN RELY ON

We stand for the steadiness and efficiency of our systems. If you still need help, you can rely on our worldwide network of service and support.

For trouble-free operation of your system, we support you with remote diagnostics and telephone service, and with direct service on site, whenever needed.

BENEFITS OF A SERVICE SELECT PRO DELTA SPC130 CONTRACT

- Regular service interactions are planned by the service-provider in alignment with customer
- Maximization of uptime
- Ensure machine safety
- Ensure best possible print quality
- Clear cost model – no unplanned costs
- Service activities performed by trained and certified technicians
- Preventive maintenance activities and Health Check
- Ensure efficient utilization of the Delta SPC 130 through comprehensive trainings for operators and pre-press



Service models and scope of service	Service Select Basic	Service Select Individual	Service Select Pro
Hardware service (RIP) - Exchange of defective RIP station free of charge	✓	✓	✓
Online / remote press support - Online ticket system - Remote support via service hotline - No additional costs for phone calls - Call-back-service from service hotline	✓	✓	✓
Spare parts* - All spare parts are included - Fast shipment for over 90% of the spare parts within 48h		●	✓
Onsite services (1st / 2nd / 3rd level)		●	✓
Labor and travel costs - Costs for labor, travel and accommodation for service experts are included for service interventions or regular preventive service intervals		●	✓
Regular preventive maintenance visits		●	✓
Inspection and calibration - Regular preventive inspections and maintenance interactions of mechanical, electrical and digital print components - Annual printhead inspection with alignment of printheads		●	✓
Printhead insurance – Co-Pay model - The co-payment model for printheads enables a customer oriented reduced rate for replaced printheads		●	✓
Software maintenance - Updates for workflow software, control station, Logotronic - Hotline support for workflow and software - Elimination of faults and errors beyond the warranty period - VDP software support on request	●	●	●
Expert & application training - On request we offer expert support and training for operators, pre-press and application specialists		●	●

*consumables and wear parts are not included

DELTA CONTROL STATION

COCKPIT FOR CENTRALIZED OPERATION AND MONITORING

The Delta Control Station offers a state-of-the-art, ergonomic workstation for simple, clear and central operation of the digital Koenig & Bauer Durst single-pass printing line.

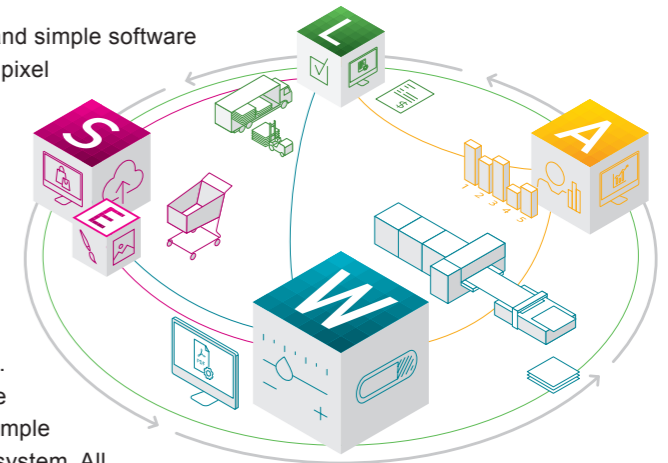


- One 32" touch screen for controlling the Delta SPC 130 line
- Two 55" screens for Q-control, workflow, camera view, ERP
- Working table for sheet size 280 x 130 cm for quality assessment, profiling and color control
- Integrated standing assistance for the operator
- Norm light D 50/65
- Signal lamp for displaying the printer status
- 6 lockers for machine operators incl. mobile phone charging connector
- Integrated refrigerator for PET water bottles 1,5 l (EU version only)

SOFTWARE & SOLUTIONS

A REVOLUTIONARY SOFTWARE ECOSYSTEM 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 pre-press to production and final analysis – help to 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.



PRE-PRESS & PRODUCTION – KOENIG & BAUER DURST WORKFLOW

A browser-based software solution that combines pre-press and production automation tasks. File checking, data preparation, color management, ink and media saving and much more. Koenig & Bauer 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 Koenig & Bauer Durst Workflow.

- Improve your pre-press productivity
- Handle your printing data
- Achieve outstanding color accuracy
- Enhance your print data handling
- Optimize material usage
- Optimize your ripping speed
- Automate your processes
- Increase your variable data management

DATA & TRANSPARENCY – KOENIG & BAUER DURST ANALYTICS

The analytics software designed for your Koenig & Bauer 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.



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KOENIG & BAUER

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