

# DELTA SPC 130

DIGITAL HIGH QUALITY  
POST PRINT (HQPP) FOR  
INDUSTRIAL PRODUCTION



# DELTA SPC 130 – REPRESENTING A NEW GENERATION OF DIGITAL PRINTING PRESSES EQUIPPED WITH DURST WATER TECHNOLOGY.

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.

Durst has been continuously developing single-pass technology since 2005 and has a broad installation base with over 700 Gamma and Tau printing systems around the world.

With the Delta SPC 130, Koenig & Bauer Durst is adapting single-pass technology to 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, high performance and reliability. It is a printing system that offers unrivaled versatility, low maintenance requirements and 24/7 reliability.



- Digital High Quality Post Print (HQPP)
- Industrial
- Productivity
- Digital workflow
- High machine availability
- Versatility

# DELTA SPC 130 – INDUSTRIAL DIGITAL PRINTING WITH ODORLESS INK

The Delta SPC 130 is equipped with recirculating Durst Quadro Array printheads and WT inks. These form the basis for the constant readiness for operation and reliability in industrial, multi-shift production environments.

The Delta SPC 130 prints with a maximum of 6 colors on small formats from 500 x 600 mm through to very large formats with maximum dimensions of 1,300 x 2,100 (optionally 1,300 x 2,800 mm) and a maximum thickness of 12 mm.

## 120

M/MIN

Max productivity mode at 600dpi

## 90

M/MIN

Max Quality mode at 800dpi

## 600

MM

min sheet length  
at 500mm min sheet width

## 800

DPI

Maximum resolution

## 1300

MM

Maximum sheet width

## 2800

MM

max sheet length – optional 2100mm

## 4 – 6

COLORS

(CMYK+Lc+Lm)

## 1

MM

Minimum sheet thickness

## 12

MM

Maximum sheet thickness

# FOOD PACKAGING

## PRIMARY & SECONDARY FOOD PACKAGING CERTIFIED

Primary Food Packaging made from suitable corrugated cardboard or cardboard material surrounds the food directly. Here too, the outside of the packaging is printed without any direct contact between the printed surface and the food.

### INK SET: DURST WT FOOD SP INK

- ✓ SQTS-certified
- ✓ GMP production
- ✓ Swiss ordinance
- ✓ Nestlé-compliant
- ✓ EuPIA

## INK FEATURES

### DEVELOPMENT APPROACH

- Part of a long-term, environmentally friendly strategy
- Developed and quality-controlled entirely in-house
- Optimized for corrugated cardboard

### INK CHARACTERISTICS

- True and full-quality water-based ink
- Organically pigmented
- Based on special resin technology
- Free from monomers and mineral oils

### PROCESSING

- Thermal drying with IR and hot air
- Resin sealing with UVV

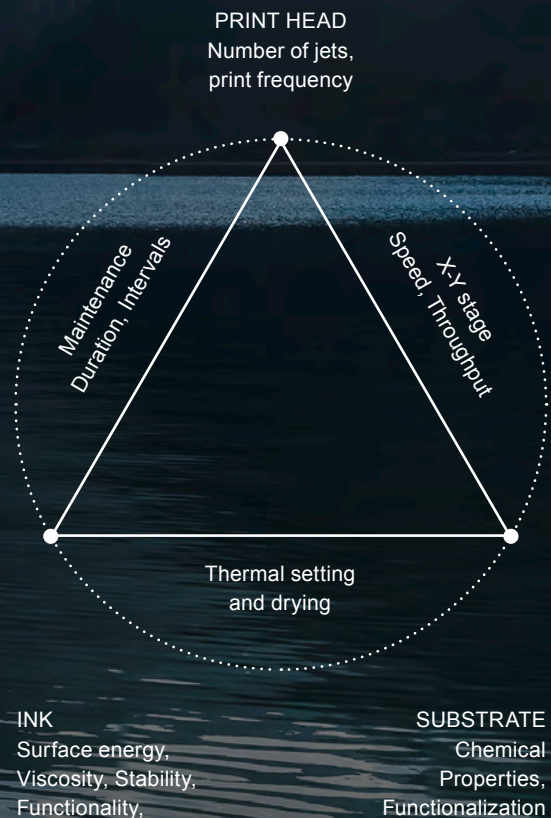


# DURST WATER TECHNOLOGY

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 sector. 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 end products to be produced in a single process.

Durst Water Technology means that pre-treatment, interim drying and overprinting steps can be eliminated.

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



## THE RECYCLING OPTIONS FOR WATER TECHNOLOGY INK

The recycling of Durst Water Technology prints was evaluated by the independent Paper Institute of the University of Darmstadt in Germany in accordance with the PTS-RH 021/12 Directive and the standard. The certificate from October 2018 confirms that the recycling requirements are met.



TECHNISCHE  
UNIVERSITÄT  
DARMSTADT

# DELTA SPC 130 FLEXLINE AUTOMATIC

## S 1 STACKER SECTION

Fully automatic stacker with integrated ejection of waste sheets.

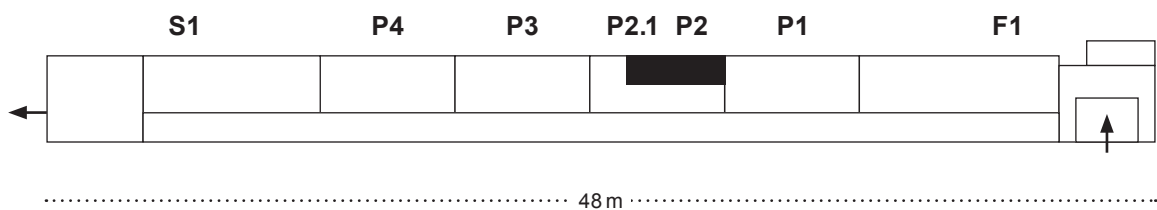
## P 4 COOLING SECTION

Cooling of the printed sheets for fast further processing.



## C 1 DELTA CONTROL STATION

Centralized controlling of the Delta SPC 130 Printing Line.

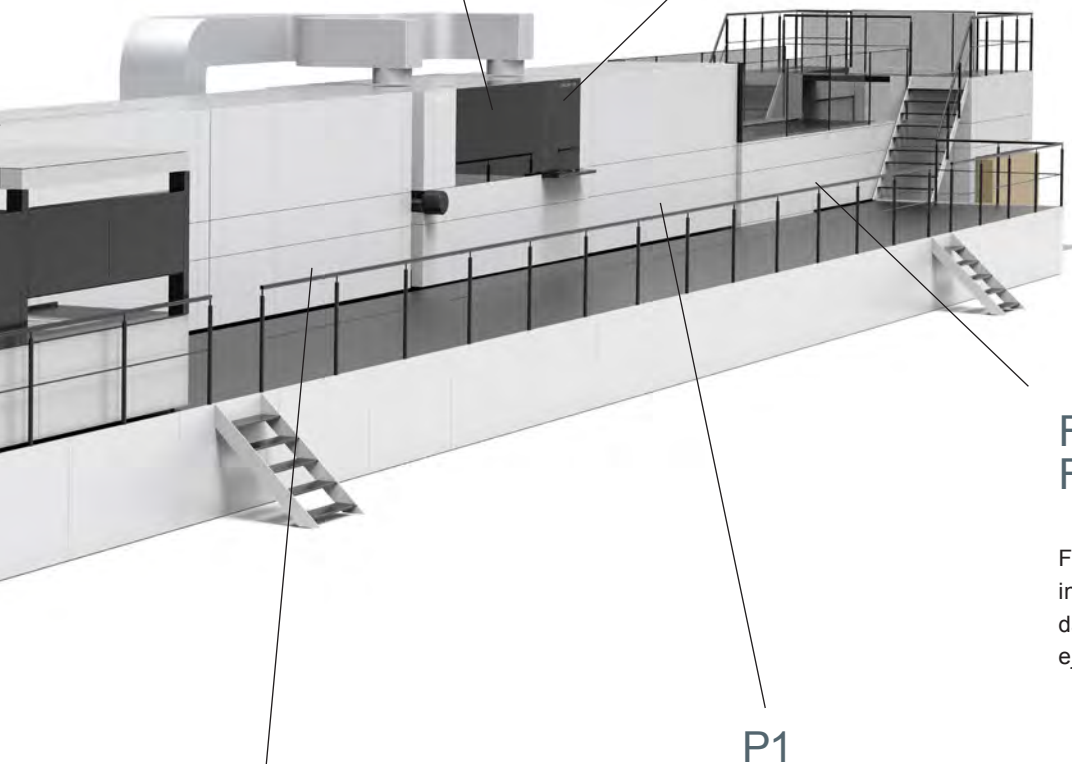


## P 2.1 QUALITY INSPECTION

Detection of errors in the printing process (optional).

## P 2 SINGLE-PASS-PRINTER

Printing on a wide range of fiber-based materials. Minimum set-up times when changing jobs. Repeat accuracy and color stability from the very first sheet. High-precision positioning, no incorrect passes. No color bleeds required.



## F1 FEEDER SECTION

Fully automatic non-stop feeder with integrated cleaning station, detection of damaged sheets and automatic sheet ejection.

## P 3 HYBRID DRYER

Hybrid, adaptive drying technology. High gloss and high adhesion on coated fiber-based materials without pre-treatment. The thin coating layer and high adhesive friction of the ink surface prevents the stack from shifting.

## P1 PRIMING STATION

Digital pre-treatment of uncoated and coated material.



## DURST TRAINING CENTER

### **DURST TRAINING. TAILORED PROGRAMS – OPTIMIZED PRODUCTION.**

At our training center, we offer customized training programs covering a wide range of requirements: Operating training courses, training for in-house engineers focusing on maintenance and the transfer of technological expertise, as well as 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 in order to ensure smooth production processes and to maximize the performance, quality and productivity of your investment.







## SERVICE & CUSTOMER CARE

### **DURST SERVICE. A NETWORK TO RELY ON.**

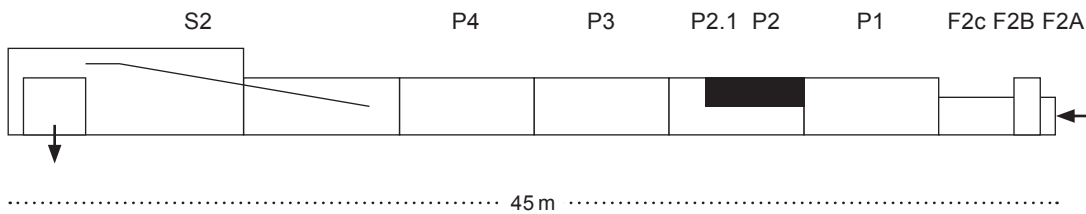
We stand for the steadiness and efficiency of our systems. If you still need help, you can rely on our worldwide network of service and support. For trouble-free operation of your system, we support you with remote diagnostics and telephone service, and with direct service on site, whenever needed, within a very short time. We have focused on maximising these tasks.



## DELTA SPC 130 FLEXLINE SEMI-AUTOMATIC



**S2  
UPSTACKER**  
Cooling of the printed sheets  
for fast further processing.



## DELTA SPC 130 FLEXLINE BASIC

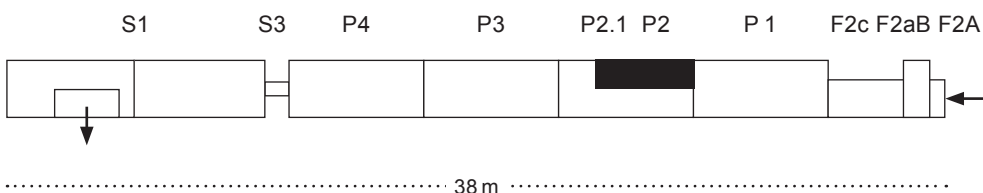


**F 2 A  
NON-CRUSH-FEEDER**  
Transport of sheets without  
damage  
to the material structure.

**F2B  
BOARD CLEANING SECTION**  
Double-sided automatic sheet  
cleaning.

**F2C  
BOARD QUALITY CONTROL  
TABLE**  
Detection of faulty material  
before the printing press.

**S3  
COUNTER EJECTOR**  
Gathering and stacking of  
sheets. (Ejection of faulty  
sheets and test sheets  
(optional)).



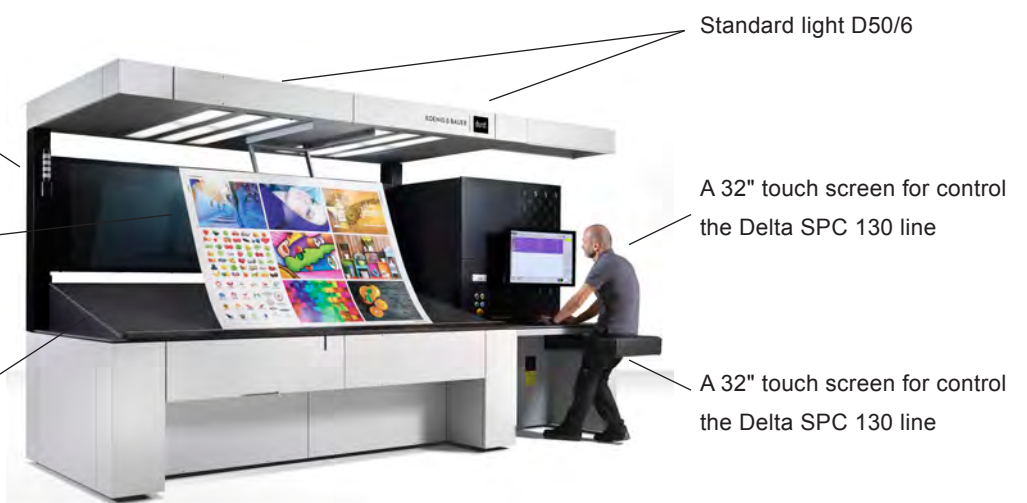
# DELTA CONTROL STATION – CONTROL STATION FOR CENTRALIZED OPERATION AND MONITORING

The Delta Control Station offers a state-of-the-art, ergonomic workstation for simple, clear and central operation of the Digital Durst Single-Pass Printing Line.

Signal lamp for displaying the Printer status

Two 55" screens for Q-control, Workflow, camera view, ERP

Working table for sheet size 280 x 130 cm for quality assessment, profiling and colour control  
Automatic tilt adjustment of the Table top for optimal ergonomics



Standard light D50/6

A 32" touch screen for control the Delta SPC 130 line

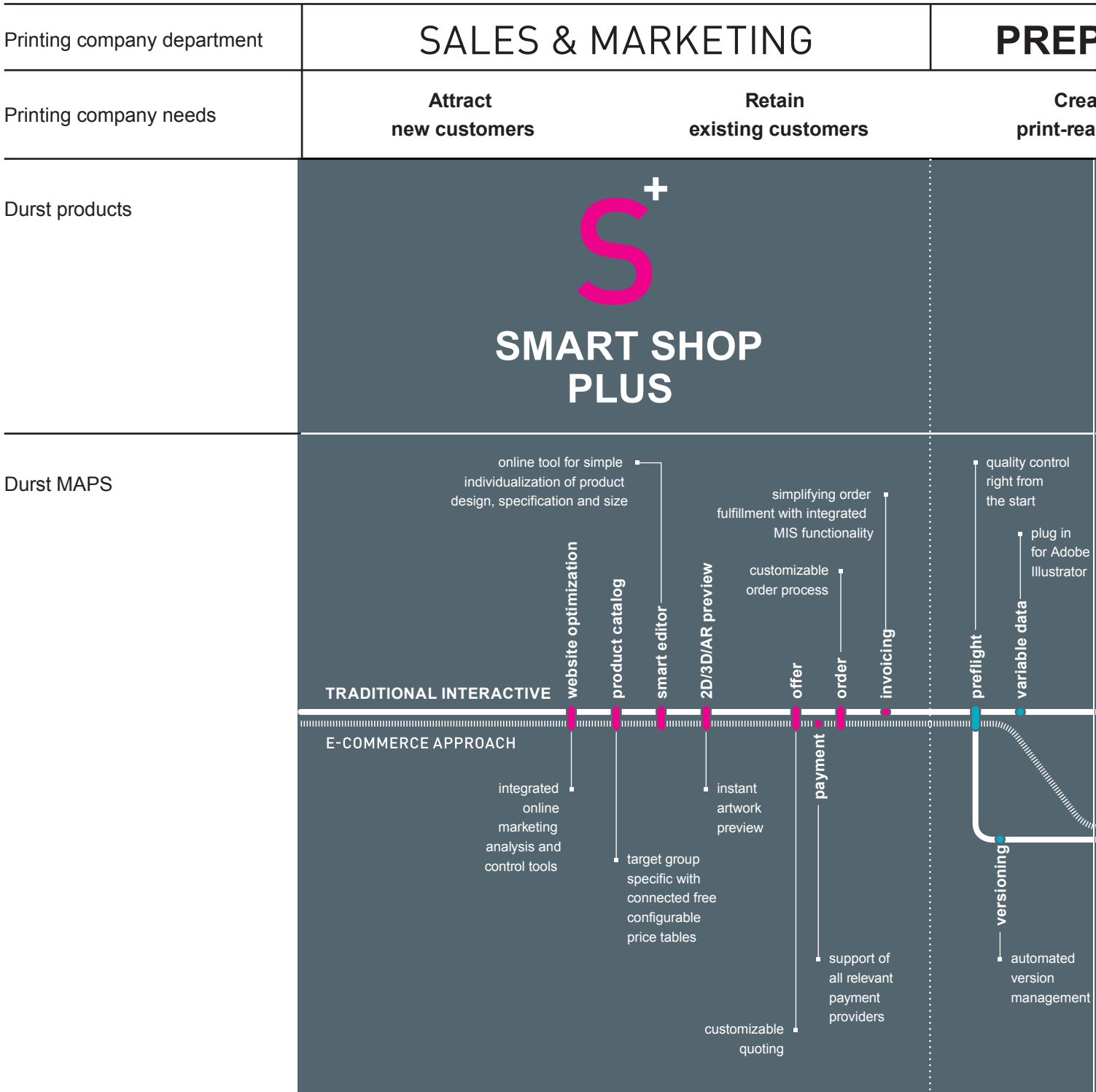
A 32" touch screen for control the Delta SPC 130 line



6 lockers for machine operators  
incl. mobile phone charging option

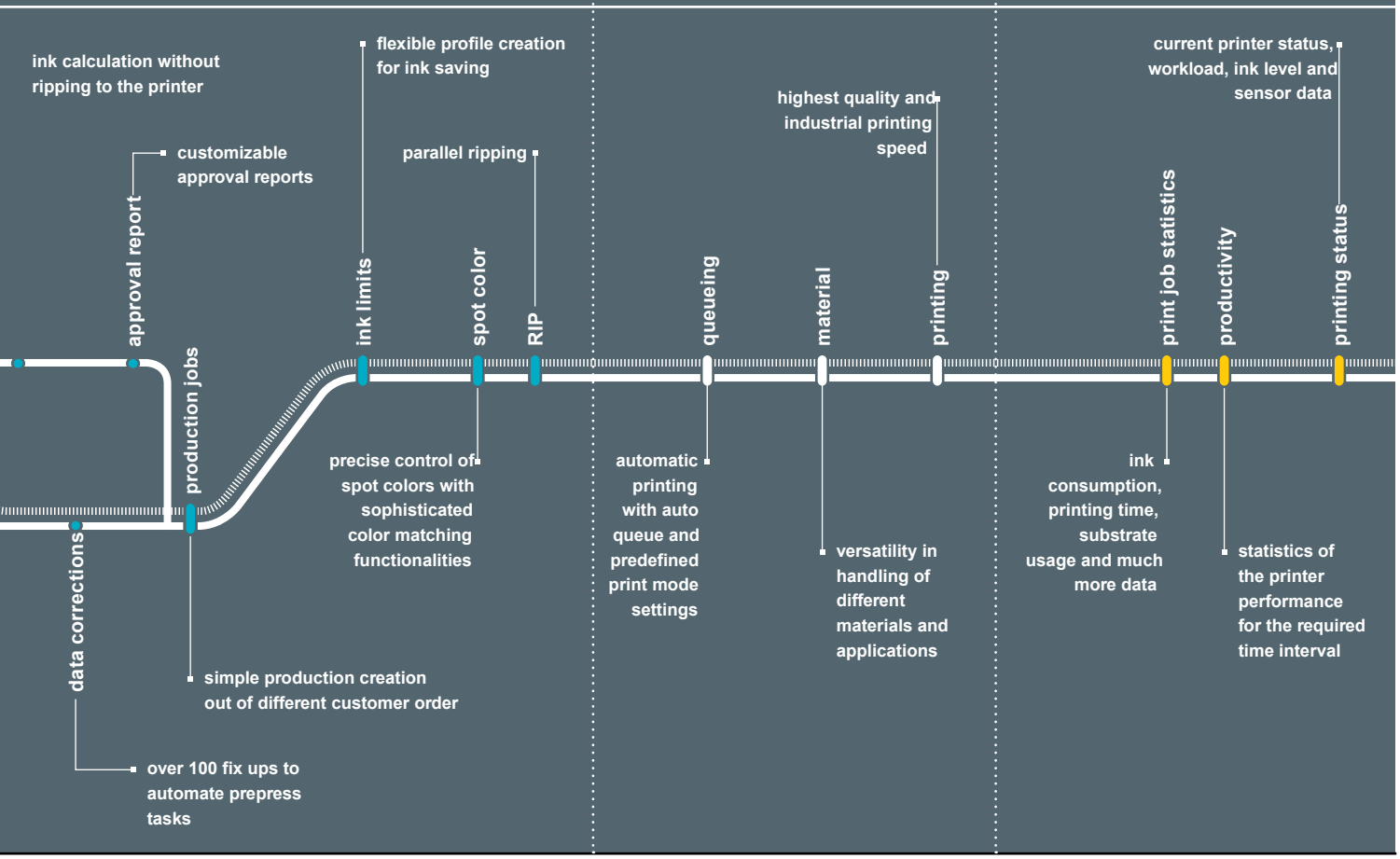
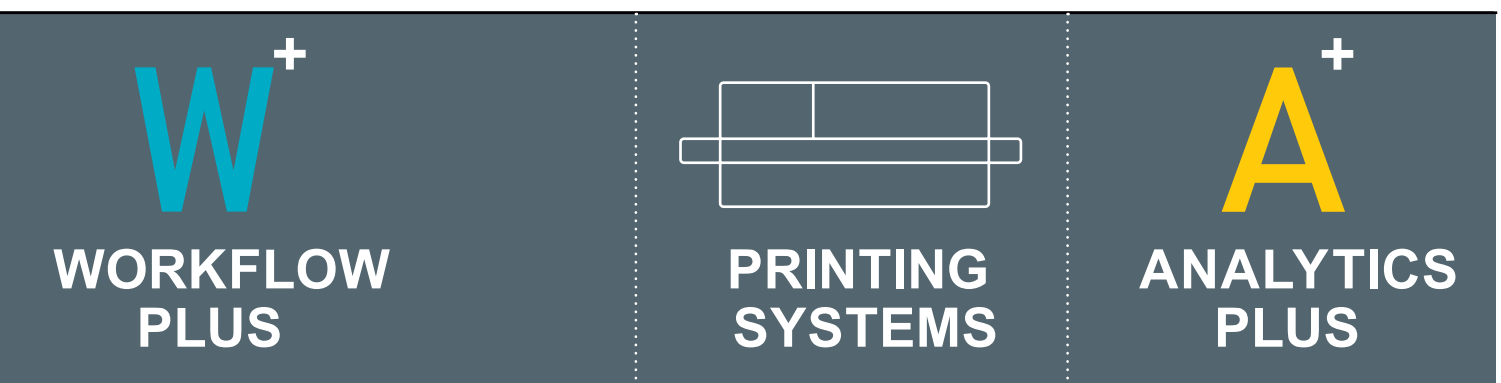
Integrated refrigerator for  
PET water bottles 1,5 l

# FROM PIXEL TO OUTPUT – A MODULAR AND INTEGRATED ECOSYSTEM



**PREPRESS** | **PRODUCTION**

Prepare ready files | Produce production jobs | Print with high performance | Analyze production data





## DIGITAL PRIMING STATION

- **Field Upgradeable**
- **Widen substrate range significantly**
- **Reduction of top liner thickness**
- **Allows ink reduction by keeping high color gamut**
- **Flying job change with spot priming**
- **Fully VDP compatible**
- **Special effects for premium products.**



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