EN

TAU RSC PLATFORM

LABEL & FLEXIBLE PACKAGING

For more information,
please visit

showroom.durst-group.com

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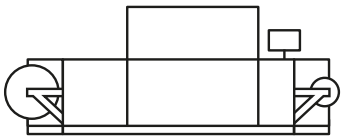

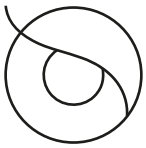

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1 TAU RSC PRINTING SYSTEMS

Best in class quality and productivity, combined with highest uptime, result in a competitive package with lowest total cost of ownership. The Tau RSC platform sets a new benchmark in industrial digital inkjet label printing.

HIGHEST QUALITY

Native 1,200 x1,200 dpi
High opacity & ink resistance
Up to 9 color channels &
95 % Pantone coverage

BEST PRODUCTIVITY

Up to 510 mm
Up to 100 m/min
Operator-friendly E2E process

FUTURE-PROOF TCO

Ink & energy reduction
Minimum production waste
Optimized 360° software support

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TAU 340 RSC E

Equipped with latest RSC technology, the new Tau 340 RSC E combines best in class print quality with an economic investment. Fully upgradable to an 8 color Tau 340 RSC with a print speed of 80 m/min guarantees that future increased production capacity requirements are covered.

LED INK

The new Tau RSC LED ink set combines excellent print quality with sustainable production. By reducing energy consumption and consumable costs, you gain a real competitive advantage. Learn more on page 15.

Print Resolution:
1,200 x 1,200 dpi

Print width:
244 mm (9.6 in), 338 mm (13.3 in)

Print speed:
52 m/min (170 ft/min) –
upgradeable to 80 m/min (262 ft/min)

Inks/Colors:
Tau RSC LED ink: CMYK OVG W
Tau RSC UV ink: CMYK OVG W
Tau RSC Low Migration UV ink: CMYK OB W

CUSTOMER VOICE

"Having carried out extensive testing, we found the Tau 340 RSC E to be the best press on the market to fulfil our needs, not just for now but for our future growth."

Jonathan Wright

Managing Director
Reel Label Solutions

TAU 340 RSC

The benchmark in productivity and flexibility is the Tau 340 RSC. The compact workhorse produces at real 80m/min in full resolution and best quality labels for various industry segments. The press can be also equipped with the revolutionary Durst Hawk AI™ technology to automate the print quality.

Print Resolution:
1,200 x 1,200 dpi

Print width:
338 mm (13.3 in)

Print speed:
80 m/min (262 ft/min)

Inks/Colors:
Tau RSC LED ink: CMYK OVG W
Tau RSC UV ink: CMYK OVG W

CUSTOMER VOICE

"We are happy to see that our investment in Durst Tau 330 RSC has paid off. It saves us time, which is the most important cost of production, with its many features such as high-level print quality, operational convenience, clear user interface, production stability and production analysis."

Erkan Yolgun

Co-Owner
Çiftsan Etiket Ambalaj

TAU RSCi

Innovation for an industrial level of productivity. Available in printing widths of 338, 420 or 510 mm the printer can be equipped with the Tau RSC UV inks or with the new Tau RSC LED inks. The press is designed to take over mid-to long run jobs but is also able to produce short-run jobs in the most economic way.

The user-friendly design including jumbo winders and roll lifts allows fast roll changes and good accessibility to print heads and transport rollers. With the new Double White feature, the Tau RSCi can print white ink with an excellent opacity level at 80m/min in an uncomparable quality. The Tau RSCi is equipped by default with a chill roller to guarantee maximum material flexibility and with its default inline media thickness sensor, it is offering superior print head protection.

CUSTOMER VOICE

"We always had the best digital solution in our facilities, and we wanted to add an inkjet press to our digital portfolio, where we found Durst to be one of the top notch players in the space. Advantage of speed and ease of operation made our choice obvious."

Vinesh Bhimani

Managing Director
Kimoha Entrepreneurs FZCO

Print Resolution:
1,200 x 1,200 dpi

Print width:
338 mm (13.3 in), 420 mm (16,5 in),
510 mm (20 in)

Print speed:
80 m/min (262 ft/min) –
upgradeable to 100 m/min (328 ft/min)

Inks/Colors:
Tau RSC LED ink: CMYK OVG W
Tau RSC UV ink: CMYK OVG W

TAU RSCi WITH FLEXO STATIONS

Optionally the press can be equipped with a full rotary flexo station pre- or post the digital print engine. You can choose between UV, LED and hot air curing.

TECHNICAL OVERVIEW

STANDARD SCOPE OF DELIVERY

Print head: Dimatix Samba

Print resolution – native: 1,200 x 1,200 dpi

Minimum drop size – Greyscale levels: 2 pl – 3 levels: 2 – 4 – 6 pl

Substrate thickness: 100 µm to 500 µm. With chill roller: 20 µm to 500 µm (only aluminum foil and PET)

Substrate type: Coated and uncoated, supported and unsupported substrates. Paper, white and transparent film, aluminum foil, PP, PE, PVC, PET, BOPP

ENVIRONMENTAL INFORMATION

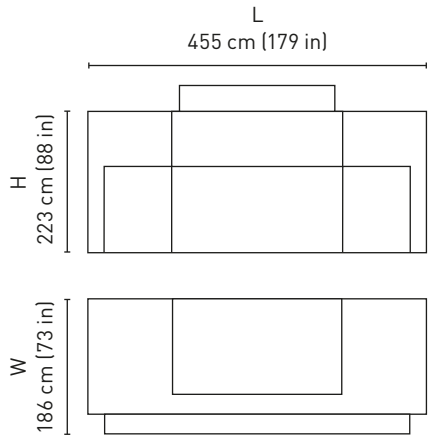
Temperature range: 18 °C (64 °F) – 28 °C (82 °F)

Humidity: 40 – 70 %, non-condensing

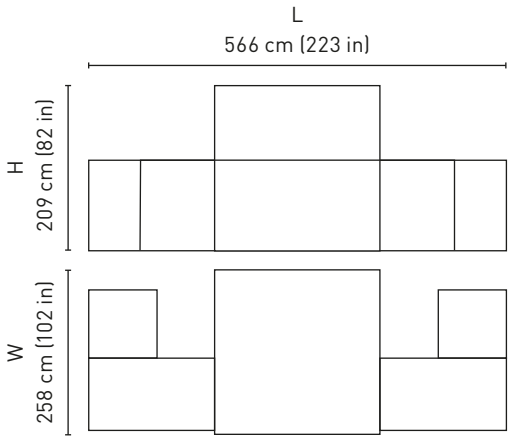
SPACE REQUIREMENTS

for standard scope of delivery

TAU 340 RSC E
TAU 340 RSC



TAU RSCi



VIRTUAL SHOWROOM
More details, live demo, print samples.
showroom.durst-group.com/de/label-and-flexible-packaging

	TAU 340 RSC E	TAU 340 RSC	TAU RSCi
Maximum print speed:	52 m/min (170 ft/min), upgradeable to 80 m/min (262 ft/min)	80 m/min (262 ft/min)	80 m/min (262 ft/min) @ full resolution
Print width:	Max. 244 mm (9.6 in) or max. 338 mm (13.3 in)	Max. 338 mm (13.3 in)	Max. 338 mm (13.3 in), 420 mm (16.5 in), 510 mm (20 in)
Loading capacity:	Roll diameter max. 680 mm (26.7 in), max. 120 kg (264 lbs)	Roll diameter max. 680 mm (26.7 in), max. 120 kg (264 lbs)	Roll diameter max. 1,016 mm (40 in), max. 450 kg (992 lbs)
Substrate width:	Min. 165 mm (6.5 in) – max. 350 mm (13.7 in)	Min. 165 mm (6.5 in) – max. 350 mm (13.7 in)	Min. 200 mm (7.9 in) – max. depending on printing width RSCi 350: max. 350 mm (13.7 in) RSCi 430: max. 430 mm (17 in) RSCi 520: max. 520 mm (20.5 in)

ADDITIONAL OPTIONS

Chill roller	☐	☐	■
Insetter sensor	☐	☐	☐
Webguide with line sensor	☐	☐	☐
Corona unit	☐	☐	☐
Webcleaner (single or double side)	☐	☐	☐
Inertisation kit	☐	–	–
Durst Hawk AI™	☐	☐	☐
High Opacity White print mode	☐	☐	☐
Double White	–	–	☐
100m/min print mode	–	–	☐
Full rotary flexo stations	–	–	☐
Jumbo winders	☐	☐	■
UPS – uninterruptable power supply	☐	☐	☐
Web monitoring system	☐	☐	☐
Variable data printing	☐	☐	☐
Integration to ERP system	☐	☐	☐

☐ optional ■ included – not available

Bringing real innovation to the UV Inkjet printing world.

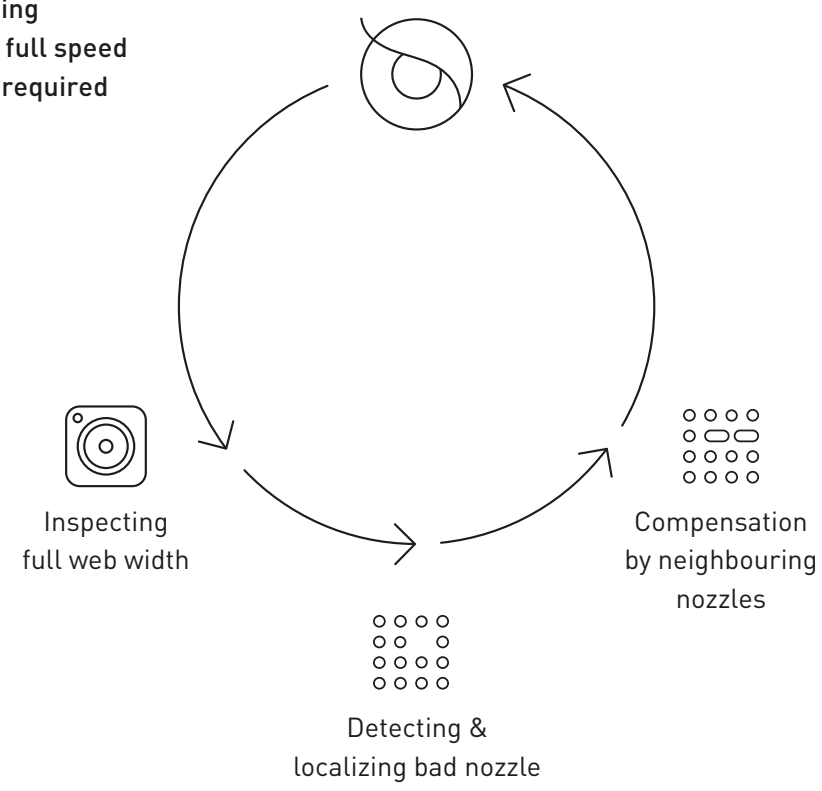
Significant reduction of waste	Improved print quality	Fully automated

2 DURST HAWK AI™

The Durst Hawk AI™ is revolutionary. This innovative technology utilizes camera vision systems with the aim of automating print quality, resulting in significantly reduced waste and overall improved print quality. The Durst Hawk AI™ is not only an inspection system, it goes one step further as it is correcting print mistakes, such as missing nozzles, inline and in real time, without any setup needed and without any operator intervention.

PRINTING WITH DURST HAWK AI™

> In-line image processing
> Any job in real time at full speed
> No setup or test print required



DURST INK TECHNOLOGIES

The commitment of Durst to innovation and technology helps to create advanced printing inks.

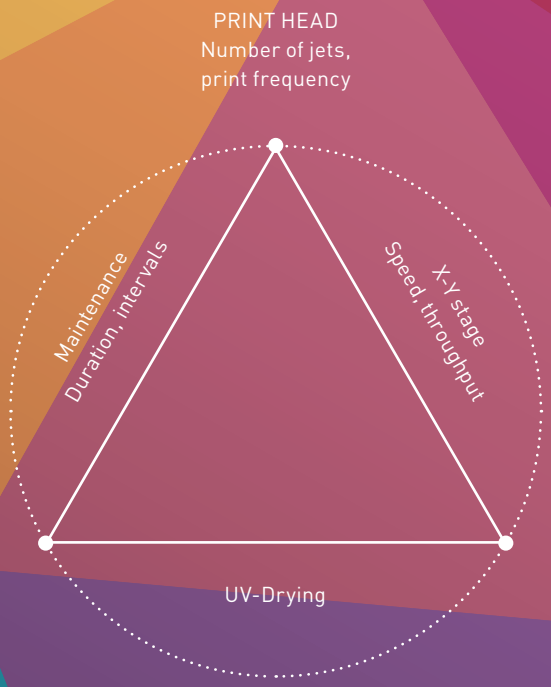
Maximum print quality, uptime and productivity with minimum ink consumption are the result of the continuous and systematic development process. In house quality control and batch tracking ensure long term stability and excellent print results.

Compliances:

> REACH and SVHC
> RoHs 3
> No intentional use of heavy metals, mineral oils, VOC, benzophene, Bisphenol A and Bisphenol A derivates, Phtalates of any chemical type, Nanomaterials, Conflict materials.
> And many more – ask your Durst Expert!

Certifications:

Durst conducted successfully several important certifications such as BS5609 section 3, UL Toy standard and various recyclability tests with its inks.



GREENGUARD GOLD

VOC free

Heavy metal free

Reach compliant

3 TAU RSC INK SETS

TAU RSC LED INK

The new Tau RSC LED ink combines the excellent print quality and performance of the existing Tau RSC UV ink with our roadmap towards a more sustainable printing industry. It provides reduced energy consumption and a reduction in consumable cost and maintenance time resulting in economical benefits for customers and a reduced ecological footprint.

The vivid inks create a huge color space allowing to precisely reproduce important brand colors.

Tau RSC LED ink	Light-Fastness Blue Wool rating
Cyan	8
Magenta	7
Yellow	7
Black	8
Orange	6
Violet	6
Green	8

TAU RSC UV INK

Working successfully in multiple hundred of Durst presses, the reliable and universal Tau RSC UV ink set is designed to offer the largest possible color space combined with excellent resistance properties.

This is why label printers in the automotive and durables industry are specifically choosing the Tau RSC UV ink set.

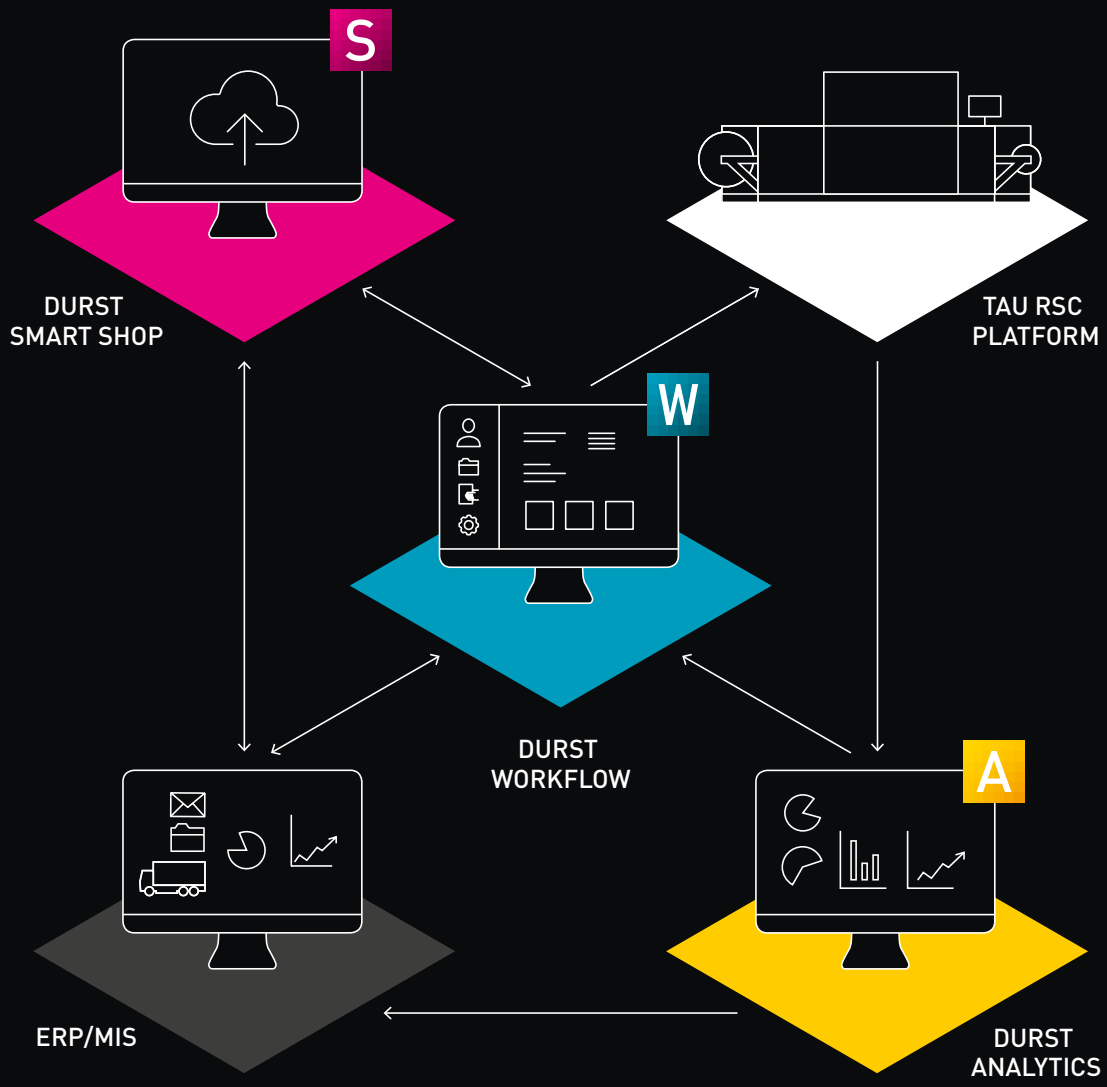
Tau RSC UV ink	Light-Fastness Blue Wool rating
Cyan	8
Magenta	8
Yellow	8
Black	8
Orange	6 – 7
Violet	8
Green	7 – 8

TAU RSC LOW MIGRATION INK

Specifically developed for applications in the food, cosmetics and pharmaceutical market, the Tau RSC Low Migration ink set meets the necessary compliance requirements such as Nestlé Guidance Note on Packaging Inks (Version October 2018), Swiss Ordinance RS 817.023.021 and Good Manufacturing Practice on Printing Inks for Food Contact Materials (4th edition – March 2016).

Independent test institutes tested the ink set and confirmed that Low Migration compliant prints can be achieved. For detailed information ask your Durst Expert.

Tau RSC Low Migration ink	Light-Fastness Blue Wool rating
Cyan	8
Magenta	6
Yellow	6
Black	8
Orange	7 – 8
Blue	7



Software for business growth

4 DURST SOFTWARE LABEL ECOSYSTEM

Tau printers are equipped with Durst Workflow Label, prepress and production software, and Durst Analytics, analytics and monitoring tool, right from the start. This makes the printer a production unit from day one. All Durst software solutions are modular and can be easily managed through a web-based user interface.

DURST WORKFLOW LABEL

> Browser based workflow solution
> Automatic preflight and data preparation
> Powerful and scalable rip
> Precise color management tools
> Ink cost calculation for each job
> Easy creation of variable data jobs
> Access control and user management
> Multiple automation and integration possibilities

NEW

NEW VARIABLE DATA TOOL

We want to make operators' life easier, and that is why we released the new VDP Plus tool:

> No need of third party software to add variable data to your labels
> Browser based and easy to operate, also from the press
> Variable text, serial numbers, barcodes, QR-codes, images and colors
> Live preview of every VDP job in Durst Workflow.
> Fast and powerful ripping of VDP jobs

DURST ANALYTICS

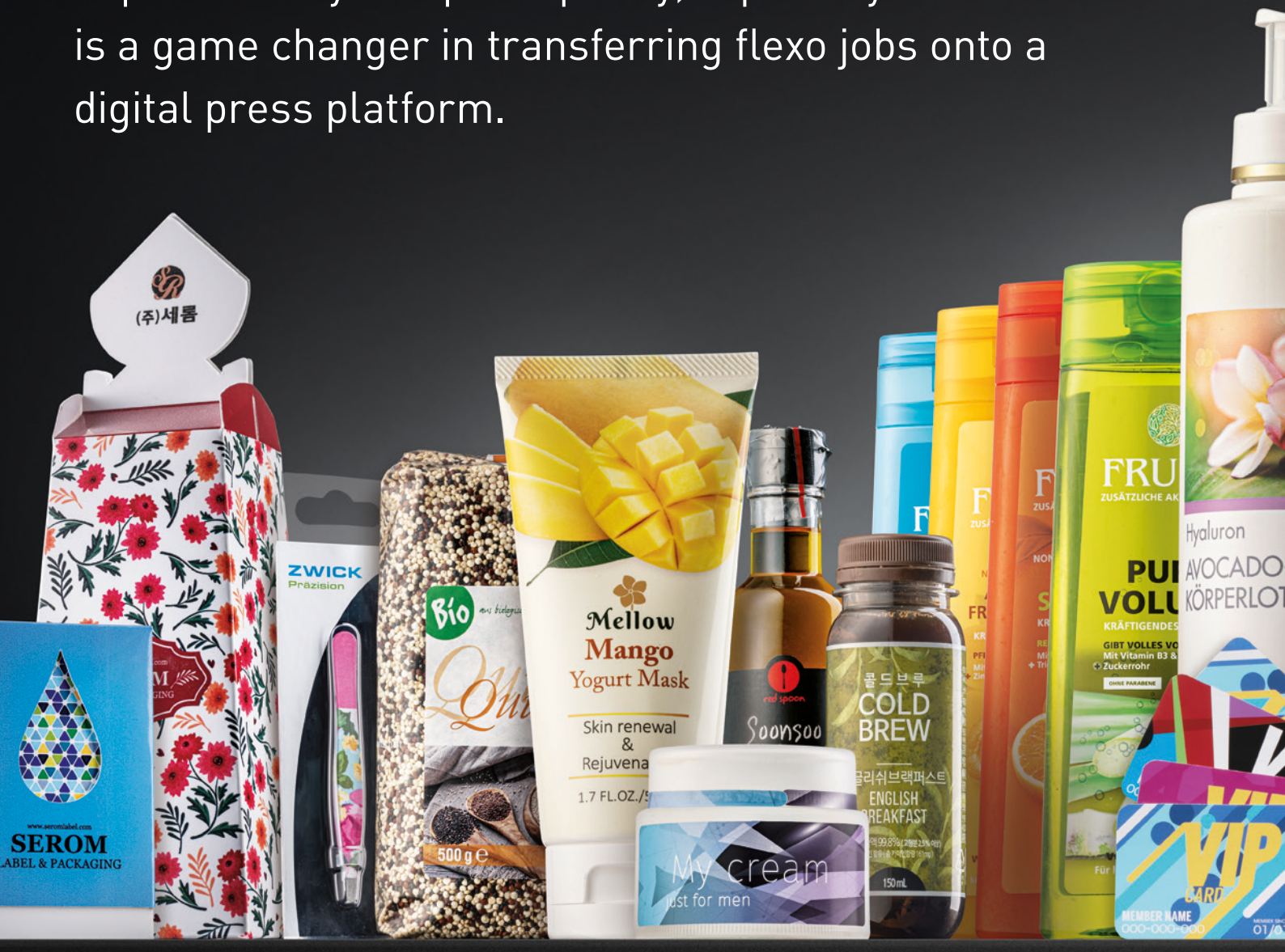
> Real time monitoring of production data
> Analysis of printer status and history
> Reporting of job details, including ink consumption
> Export of all printer data to Excel or via REST API interface
> Creation of production reports
> KPIs measurement for improved productivity and efficiency

DURST SMART SHOP

> Easy website creation
> Intuitive E-Commerce management
> Integrated graphical online editor
> Print ready files output
> Increased sales
> Improved customer retention
> Optimal product delivery

5 APPLICATIONS

With the printing quality and ink performance provided by the Tau RSC printers, converters are able to cover multiple applications with one printing system in a flexible and economic way, having a choice between RSC, RSC Led and RSC Low Migration ink to address dedicated applications. Thanks to its outstanding performance in productivity and print quality, especially the Tau RSCi is a game changer in transferring flexo jobs onto a digital press platform.



> Cosmetics & toiletries
> Food & beverages
> Durables

> Variable data printing
> Wine & spirits
> Speciality packaging

6 SERVICE & CUSTOMER CARE

We understand that exceptional service is the cornerstone of a successful partnership. Our commitment to providing top-tier support goes beyond expectations, ensuring that your production processes remain smooth, efficient, and uninterrupted. With our array of innovative service offerings, we're dedicated to maximizing your experience and minimizing any operational challenges.

REMOTE ASSISTANCE FOR INSTANT SOLUTIONS

Our remote assistance service allows you to connect with our skilled technicians instantly, bridging the gap between your challenges and expert solutions. No matter where you are, our team can remotely diagnose issues, provide guidance, and implement fixes, reducing downtime and maintaining the rhythm of your production line.

INTUITIVE SPARE PART ORDER PORTAL

Recognizing the value of time in your industry, we have designed a user-friendly spare part order portal. Effortlessly browse, select, and order the parts you need, streamlining the replacement process and helping you get back to full production capacity promptly.

PROACTIVE MAINTENANCE

Automated monitoring systems keep track of your equipment's performance and status. This data empowers us to implement proactive maintenance strategies, ensuring your machines are at peak efficiency and reducing the risk of unexpected disruptions.

LOCAL SUPPORT IN YOUR LANGUAGE

Communication is key to effective troubleshooting and support. That is why we offer local support in your language, connecting you with our experts who not only understand your equipment but also speak your language fluently. This personalized approach ensures that your concerns are addressed comprehensively and accurately.

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 are elaborated together.

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:

GRAPHICS	PACKAGING	CERAMICS	SOFTWARE & SERVICE
Large Format Digital Textile	Label Flexible-Packaging Corrugated Folding Carton	Industrial Technical	Software Service Media Services

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

TOGETHER TOWARDS FUTURE

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