

Highly productive digital printing press



DIGITAL LABEL PRODUCTION

DIGITAL EXPERT 340

Profitable **digital label production**

Introducing the **DIGITAL EXPERT 340**: boosting productivity and profitability. Print more jobs at lower costs **up to 8000 linear meters**. Achieve top-quality results with **1200x1200 dpi** resolution and **70% opacity digital white**. Enjoy a printing speed of **65 m/min**, upgradable to **100 m/min** for peak productivity. Handle complex substrates with an additional flexo module.



High productivity

Exceptional print quality

Competitive production cost

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- > BOBST Support Services

REQUEST
CONSULTING

 Print responsibly

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Creating value

BOBST innovations
are driven by customer
and brand owner needs

> **READ MORE**

Shortening production run lengths

Many factors are pushing towards reduction of the run length: SKU proliferation due to demand fragmentation and an increase of the offer linked to the rise of own-brand private label, changing face of retail towards direct to consumers channel. Being profitable in this environment is one of the main challenges for converters and the coexistence of different technologies is crucial to stay competitive.

Customization, versioning, personalisation

Labels can take almost any shape, texture and format. Special embellishing techniques and extended die-cutting capabilities create unique ways for brands to present their products, offering a high degree of customization and potential.

Digitalizing the label production

The availability of various technologies makes label production easier. Converters no longer need to use one technology only. They can optimize the entire production floor using all technologies and inkjet is for the coming 10 years the one to integrate in the printing production portfolio.

Sustainability

Label production needs to reduce its environmental carbon footprint. Capability to process optimized thinner and functional label materials – be they face or liner – associated with equipment efficiencies in terms of consumption of energy and consumables.

Faster time-to-market

A growing number of products need to reach the consumer faster. Product life time is shorter. From product design to the consumer experience, the supply chain has to be more agile.

Color control and brand image

Color consistency and control across all substrates needs to be guaranteed for brands to look good across the globe.



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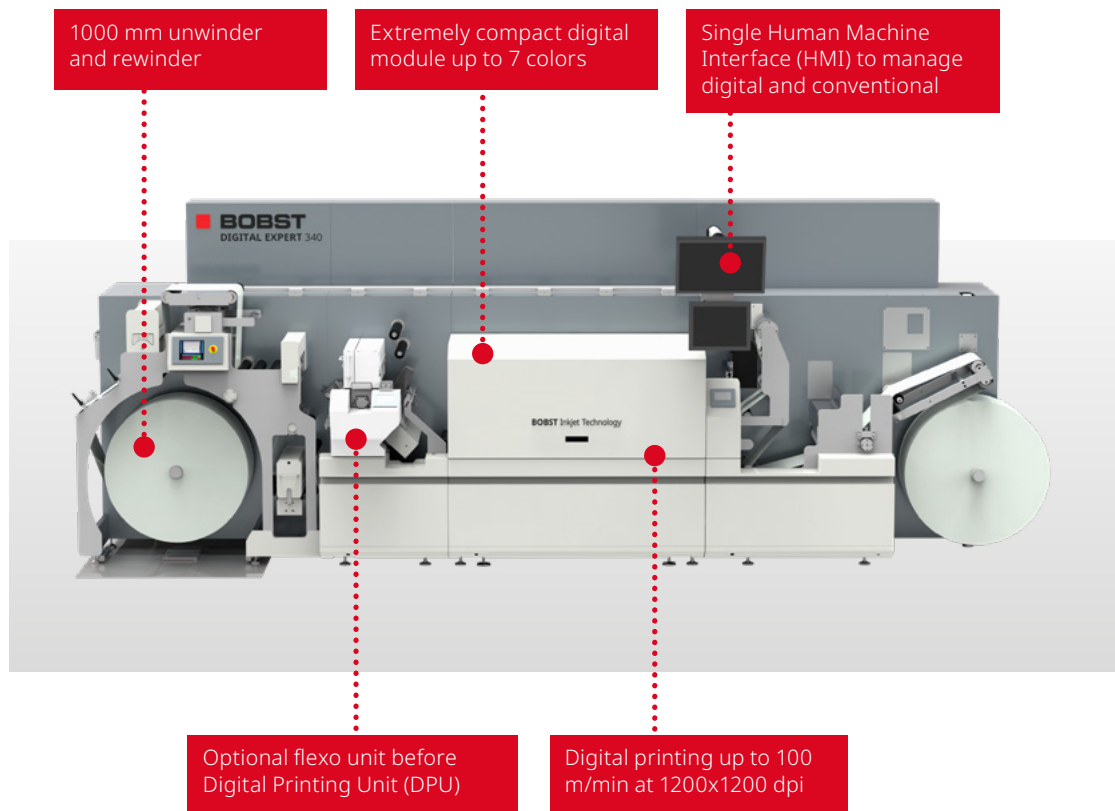
Exceptional productivity and quality



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1000 mm unwinder and rewinder

Extremely compact digital module up to 7 colors

Single Human Machine Interface (HMI) to manage digital and conventional

Optional flexo unit before Digital Printing Unit (DPU)

Digital printing up to 100 m/min at 1200x1200 dpi

Included in basic configuration – Pure digital

- Jumbo roll unwinder and rewinder
- Splice detector
- Web cleaner (single)
- Corona unit
- Web guide
- Digital printing unit CMYK + White
- Simplex mark reader
- Chilled roller for high substrate versatility
- Maintenance automation device
- BOBST DFE server for fast data processing

Optional modules

- 7 colors upgrade (Orange and Violet)
- Speed upgrade up to 100 m/min
- Additional flexo station before digital printing unit

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High productivity

- Significantly faster turnaround and reduced machine downtime
- **65 m/min** upgradable to **100 m/min** for highest digital productivity
- High machine up-time
- **Maintenance device** designed to protect, maintain and provide contactless cleaning for consistent quality, high uptime and productivity



Exceptional quality

- **1200 x1200 dpi** native resolution for exceptional quality
- Perfectly meet requirements in terms of **color predictability, accuracy, consistency, repeatability**
- **70% opacity digital white** as standard



Competitive production cost

- Print any job with any run length **up to 8000 linear meters**
- Produce at **lowest cost**
- Grow your profitability

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Most compact **digital** **printhead technology**

BOBST Digital Inkjet Technology self-developed by BOBST contains all the mechanics for head alignment, the ink management, and the software steering each individual Fuji Dimatix Samba head integrated.

High Quality

Achieve superb print quality thanks to its native resolution of 1200x1200 dpi.

Produce more, deliver faster

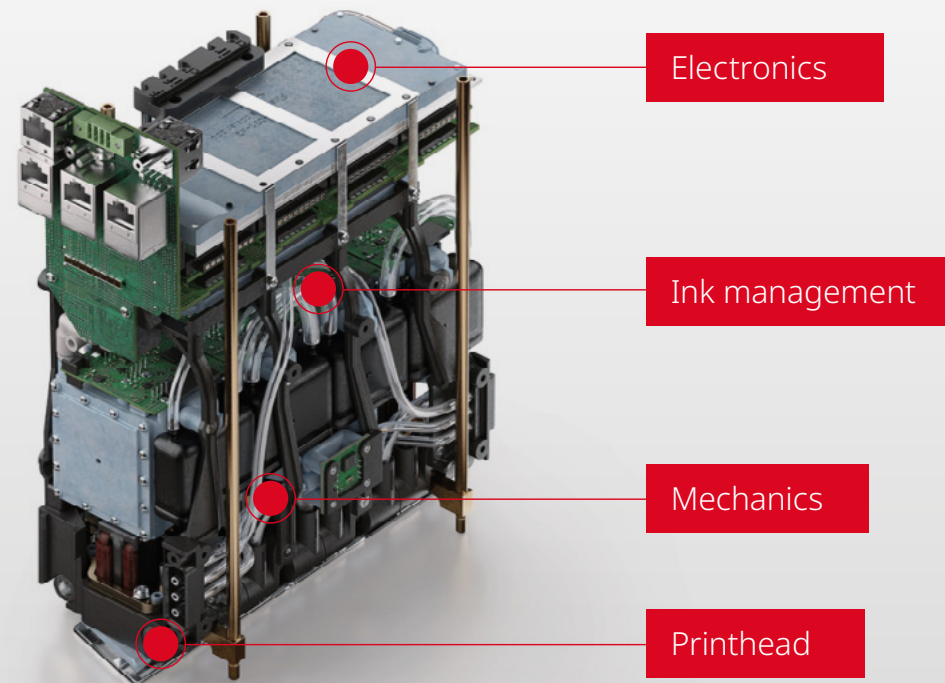
Printing at a speed of up to 100 m/min with 6 color configuration and up to 45 m/min with high opacity white.

Extended Digital Color Gamut

Printing up to 6 colors plus 70% opacity digital white being able to cover a wide range of the Pantone.

Compact & accessible print unit

4 Fuji Dimatix Samba printheads in every cluster. Each of them is fully autonomous with an easy and fast maintenance as each unit can be replaced with minimal manual intervention.



MORE INFO

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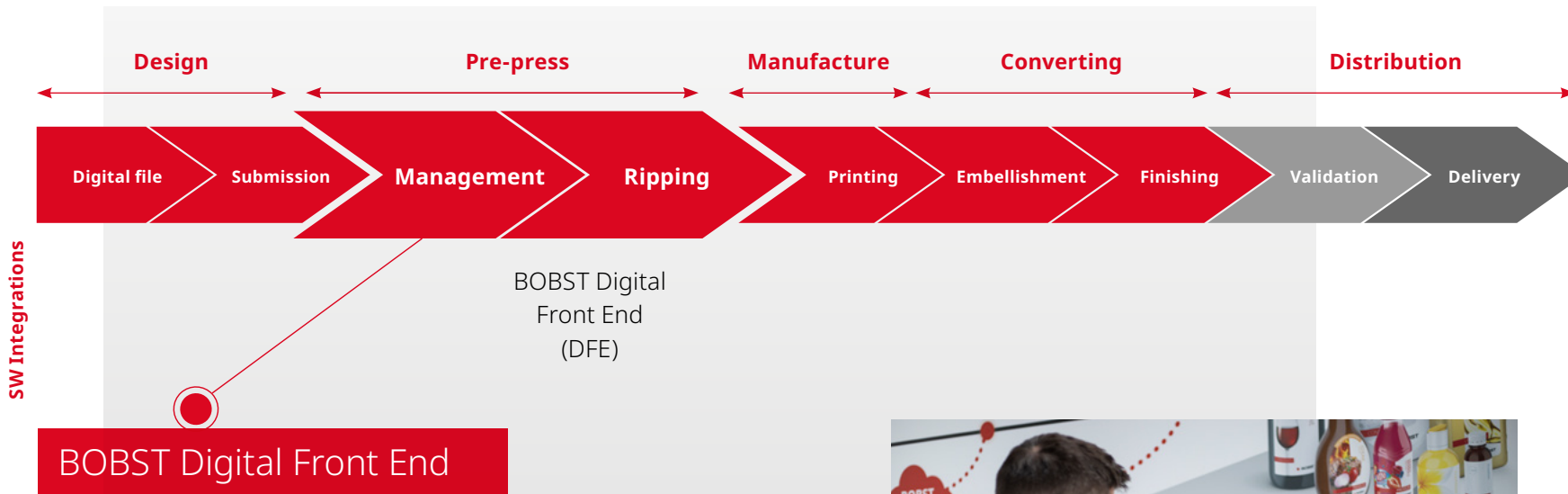
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End-to-end pre-press software

From the PDF to the final label, we collaborate with leading partners (ESKO, Pantone, Adobe and X-Rite) for a smooth and complete workflow deployment into your environment.



BOBST agile and easy-to-use workflow solution

BOBST Digital Front End (DFE) brings you a smooth and complete workflow, from PDF to final label. We've collaborated with expert partners to bring you a user interface that's fast and easy to use, making your pre-press process more agile and improving your productivity. BOBST DFE has been developed in-house with Adobe RIP and a PDF-based workflow. It brings X-rite color management as standard, digitalizing the whole process from acquisition and preparation through to management and production. Thanks to its open architecture, it allows integration in your existing workflow.



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Digital printing UV inks

Personalized formula to achieve the best quality results. All our manufacturing processes and materials meet the requirements EuPIA guidelines.*

Color configuration



Technical information and certificates

- **Pure white with 70% opacity** achieving full coverage running at a speed of up to 45 m/min into any transparent or metalized substrate, getting more flexibility without compromising your productivity
- We certify that all components used in the formulation of the CMYKW only products are listed on list A or list B of the Swiss Ordinance SR 817.023.21 regulation
- We do not intentionally add nitroamines, so such substances are not expected to be present in the inks
- Compliant with the European Directive 94/62
- Compliant with the CONEG requirement
- Compliant with the requirement regulation EU 1021/2019 regarding the Persistent Organic Pollutant
- Substances listed in the current list of SVHC are not present in our inks or below 0.1%

UV inkjet benefits

- High mechanical, chemical, water and light resistance
- Cold foil over-printable for metallic effects
- Optimized for high-speed printing
- High color gamut and color coverage
- Vibrant colors

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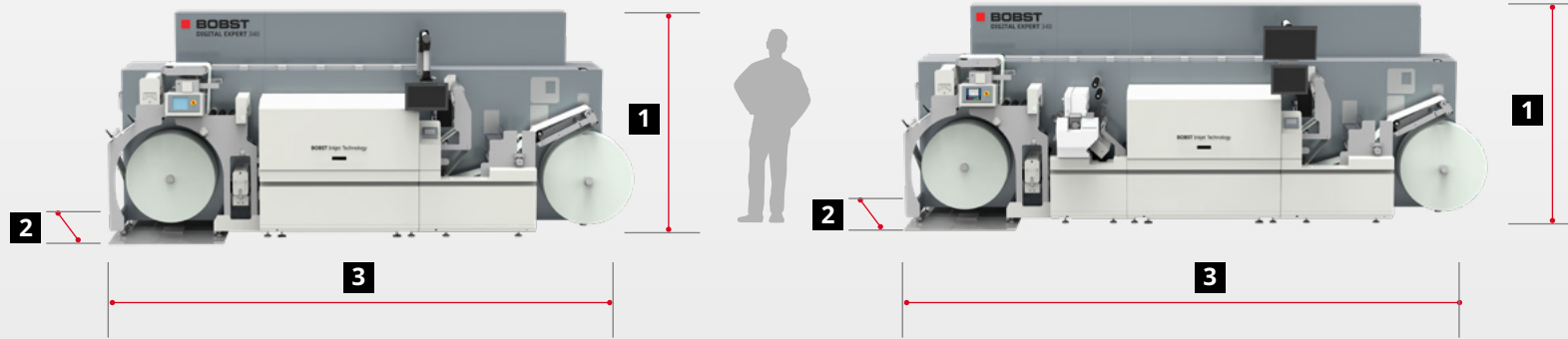


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* The manufacturing processes and materials do not meet the requirements EuPIA guidelines:
Good Manufacturing Practice (GMP) Printing Inks for Food Contact Materials - March 2016

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DIGITAL EXPERT – Pure digital configuration

1	2.10 m	6.9 ft
2	2.25 m	7.4 ft
3	5.00 m	16.4 ft

DIGITAL EXPERT – Pure digital with flexo configuration

1	2.10 m	6.9 ft
2	2.25 m	7.4 ft
3	6.00 m	19.7 ft

*Length variable according to the specific configuration you build based on your needs.

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Specifications – Technical information

Capabilities	Metric	Imperial
Web width	370 mm	14.5 in
Speed (1)	65 m/min	213 ft/min
Unwinding diameter	max 1000 mm	max 39 in
Rewinding diameter	max 1000 mm	max 39 in
Substrates	PSL (PP, PE, BOPP, PVC, PET, Clear on clear), Aluminium foil, film (white and transparent), paper, light folding carton, thermal paper coated and uncoated media	

Digital Printing

Imaging width	340 mm	13.38 in
Print quality	1200 x 1200 dpi	
Print quality (optical)	2400 dpi	
Ink coverage	max 16 g/m ²	
Colour configuration	CMYK + White (Orange and Violet optional)	
Inks (2)	BOBST UV-Inks	
Ink tank capacity	10 liters per color	

Digital print module maintenance

BOBST maintenance automation device Contactless cleaning, dry-capping, purging, flushing

Dimensions & weight

Length (3)	5.00 m	16.4 ft
Height	2.10 m	6.9 ft
Width	2.25 m	7.4 ft

Flexo printing unit

Imaging width	360 mm	14.2 in
Drive	Independent servo drives	
Number of printing units	1 (before DPU)	
Print cylinder repeat	139.5 – 609.5 mm	5.5 – 24 in
Sleeve print cylinder repeat	305 – 609.5 mm	12 -24 in
Gear pitch	3.175 mm	1/8 in
Printing speed	max 200 m/min	max 660 ft/min
Dryers	UV, IR / hot air	

(1) Upgradable to 100 m/min (330 ft/min)

(2) Contact your Sales Representative for more information on BOBST Digital printing UV inks

(3) Pure digital configuration - without flexo

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Driving the industry transformation

BOBST offers the ability to view, understand and test printing and converting solutions in its Competence Centers. Physical or virtual visits with our experts are completely tailored to client's requirements and needs.



Mex, Switzerland

Based in our Headquarters, get to know all our digital printing products showcased there.



MORE INFO



Firenze, Italy

BOBST Label printing hub dedicated showcase to the full label printing portfolio, including all inline flexo printing, converting, All-in-One and digital inkjet technologies.



MORE INFO



Alpharetta, USA

Based on our US Competence Center, meet our experts and get to know our latest digital and All-in-one printing solutions.



MORE INFO



Itatiba, Brazil

Based on our South America Competence Center, discover how the oneLABEL portfolio can satisfy your needs. Go deeper in the details discussing with our experts about our latest technologies and solutions.



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Digital age manufacturing happening with BOBST Connect

BOBST Connect is an end-to-end, user-centric digital platform that enhances and increases your printing and packaging productivity. It's designed to help you make the most of the data your machine generates, improving efficiency across your value chain.

As well as exceptional data insights, BOBST Connect helps to orchestrate and improve your whole production process, from your PDF to the finished product and quality report. It brings data and digital services together in one fully connected platform, with machine insights and expertise built in.

All of this is available to you as part of BOBST Connect Essential, the first subscription level that you receive when you purchase a new BOBST machine.



Benefits



Equipment Monitoring

- Boost productivity with equipment monitoring including equipment status and production data analytics



Performance management

- Identify and optimize production trends with real-time and historical performance data



Reporting

- Increase profitability with data reporting and trend analysis



Remote assistance

- Increase machine up-time thanks to
 - Priority access to technical specialists
 - Remote support with video and augmented reality

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People, technologies and processes

Site readiness

All begins with a pre-installation audit and site survey of your production floor and workflow to streamline integration with your current production equipment and qualify designated press operators

Operator training

BOBST assures your operators are qualified, certified and trained including on preventive maintenance and troubleshooting

Installation & ramp-up support

A BOBST service engineer will follow your production ramp-up confirming that workflow and pre-press and machine are optimized

BOBST Global Customer Care Center

It provides support for operators to handle all service escalation across all disciplines

Advanced technological tools

Remote support is complemented with augmented reality technology and predictive failure resolution incl. IoT capabilities

Onsite support

BOBST provides one of the highest ratios of field service engineers to presses in the business leveraging a global network across the globe

One-stop, easy-to-use Customer Portal

All BOBST customers have access an online portal providing customized dashboards, knowledgebase, current case management details, status reports for billing and production and updates



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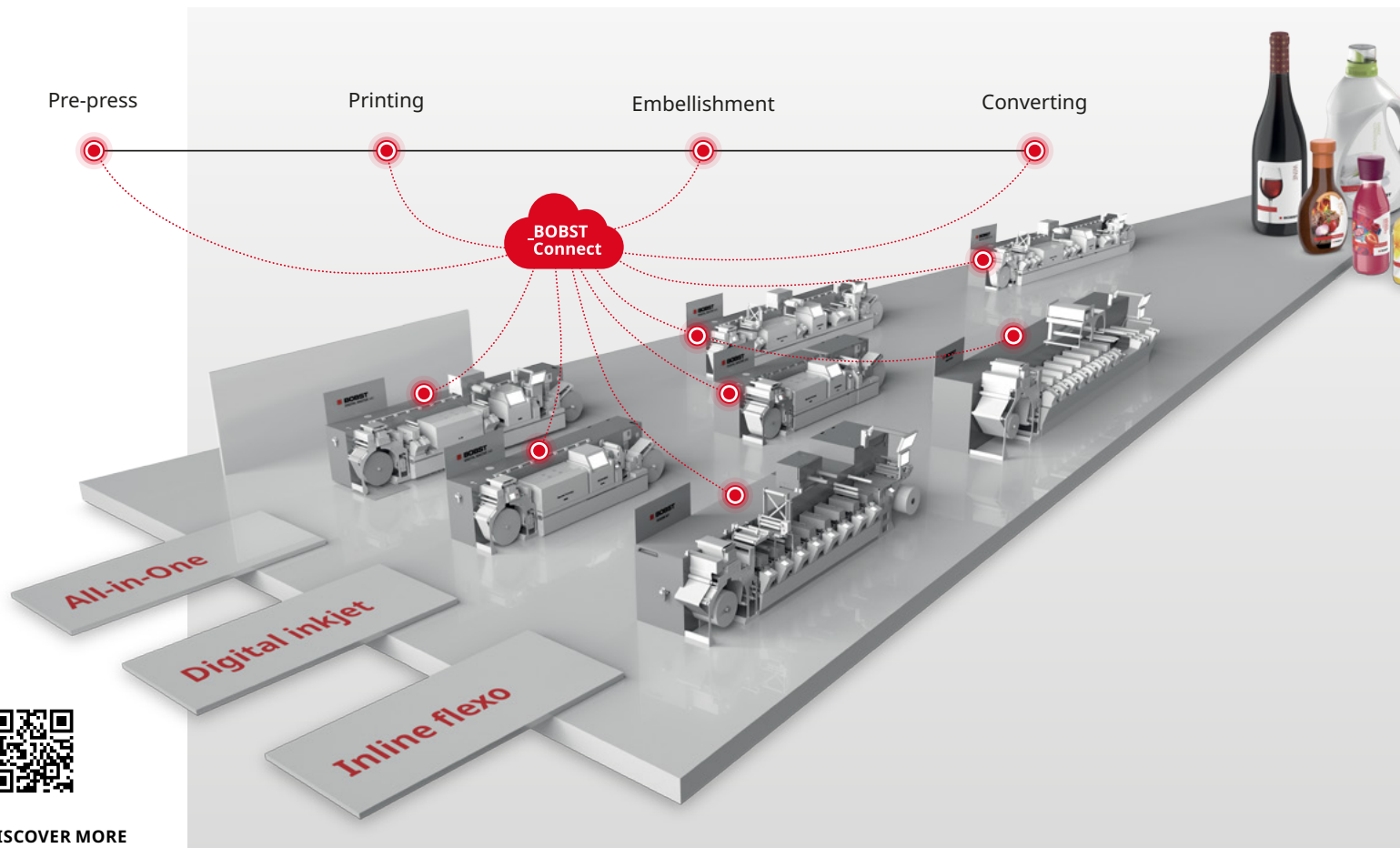
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Simplifying **label production**

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