

Highly productive digital printing press



DIGITAL LABEL PRODUCTION

DIGITAL EXPERT 340

At a glance

BOBST

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.



GO TO THE CONFIGURATOR

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- > BOBST Connect
- > BOBST Support Services



High productivity

Exceptional print quality

Competitive production cost

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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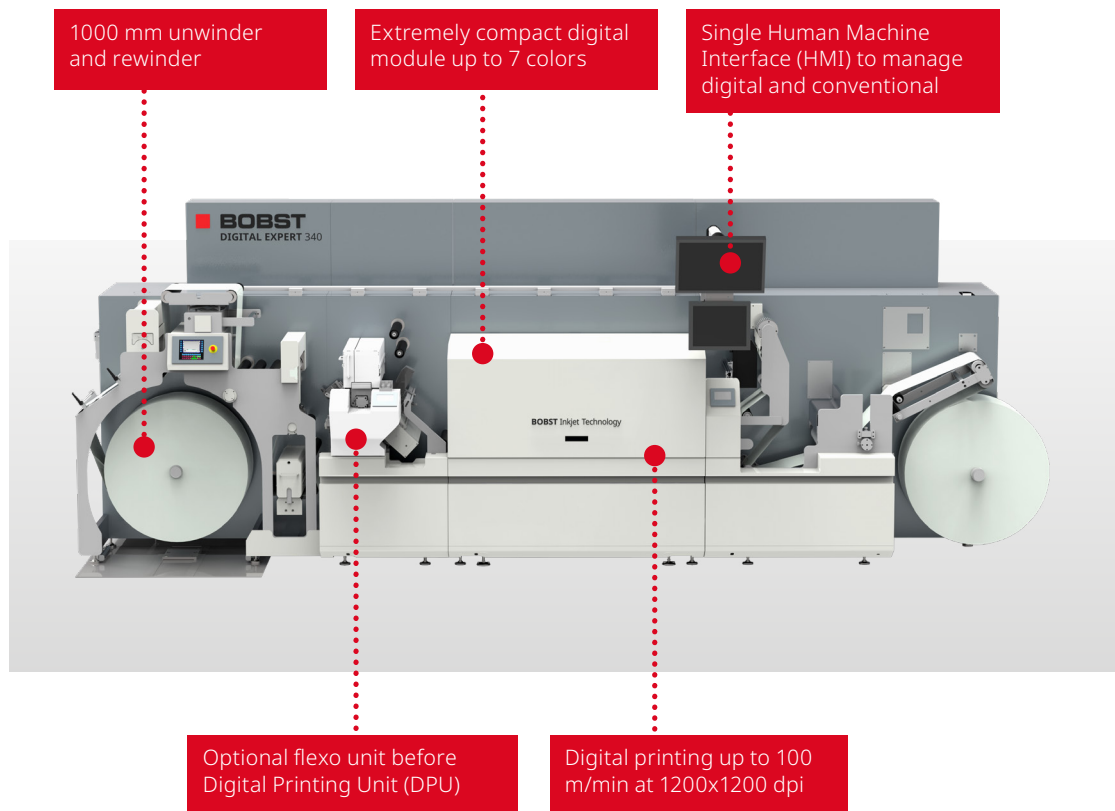
Exceptional productivity and quality



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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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Benefits and features 1 - 3



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

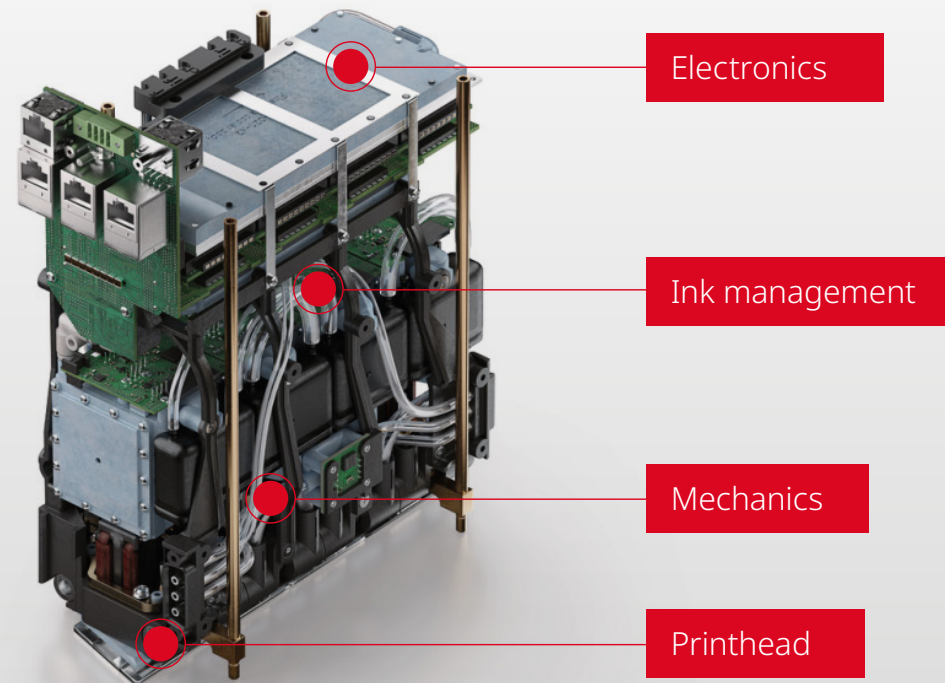
Printing at a speed of up to 100 m/min with 6 color configuration and up to 45 m/min with high opacity white.

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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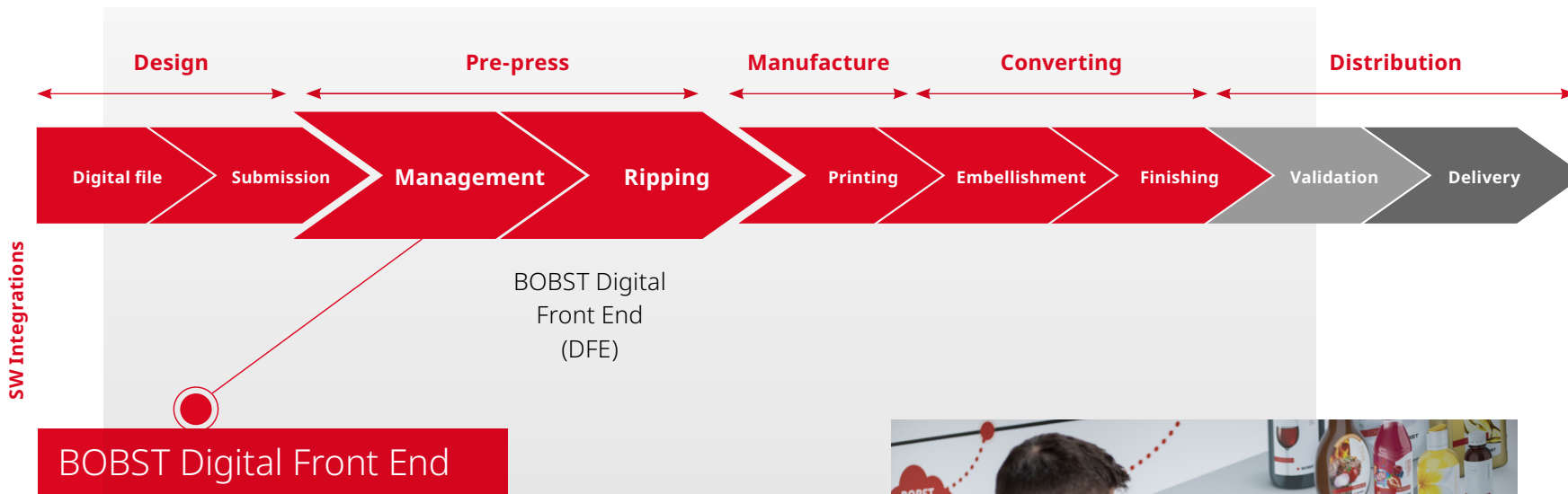
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End-to-end pre-press software

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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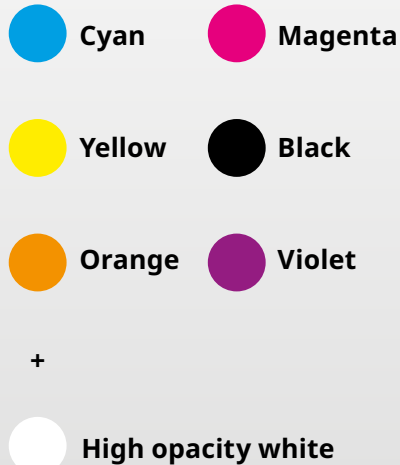
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Leading innovation in every drop

BOBST Thalia UV Digital Inks are designed to give converters total confidence when producing food-compliant packaging. Every component is selected to exceed today's requirements and anticipate tomorrow's rules, delivering trusted safety without compromising print quality or productivity.

Color configuration



BOBST Thalia UV Digital Inks set a new standard

Safety & compliance

Built for regulated markets, today and tomorrow.

- Compliant with Swiss Ordinance, EU 1935/2004, German Ink Ordinance. SVHC-free formulations fully aligned with EuPIA GMP
- Controlled migration for safe use in demanding and sensitive applications
- Audit-ready, meeting brand owner requirements and upcoming legislation

Performance & colorimetry

Engineered for speed, precision and color reliability.

- Printing at up to 100 m/min at 1200 x 1200 dpi
- Excellent adhesion on demanding films without primer*, and high resistance to abrasion, scratching, water rub and solvents

- Optimized color set for wide gamut performance and reliable spot color accuracy**
- Excellent color consistency over long production runs

Business enablement

Unlock new applications and accelerate qualification.

- Access to new verticals and applications beyond traditional UV inkjet
- Broad compatibility with substrates and finishing
- Support for high-value applications and complex constructions
- BOBST advanced migration modeling for predictable compliance and faster qualification

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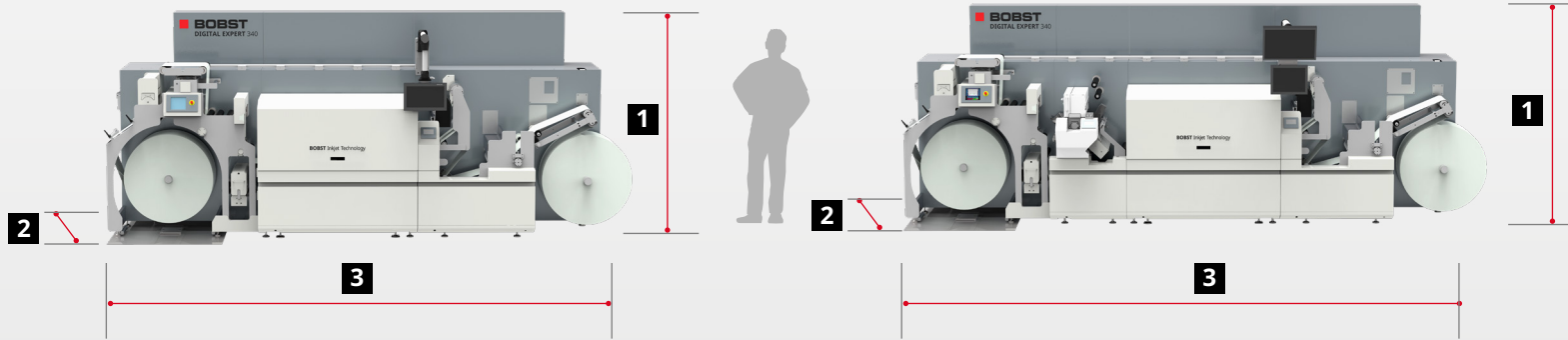
*High variety of films tested without needs of primer

**Tested on a comprehensive set of spot colors widely used in the label and packaging industry



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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.



Firenze, Italy

BOBST's new Competence Center for Labels and Packaging, in Florence, is a hub dedicated to the full label printing portfolio, including inline flexo, All-in-One and digital solutions.



MORE INFO



Atlanta, USA

BOBST's new Atlanta Competence Center is a state-of-the-art hub showcasing our inline flexo, as well as digital and All-in-One solutions for labels and flexible packaging printing.



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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

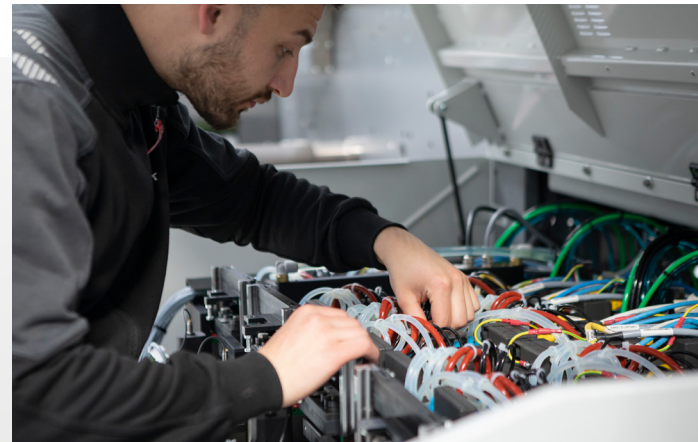
Remote support is complemented with augmented reality technology and predictive failure resolution incl. IoT capabilities

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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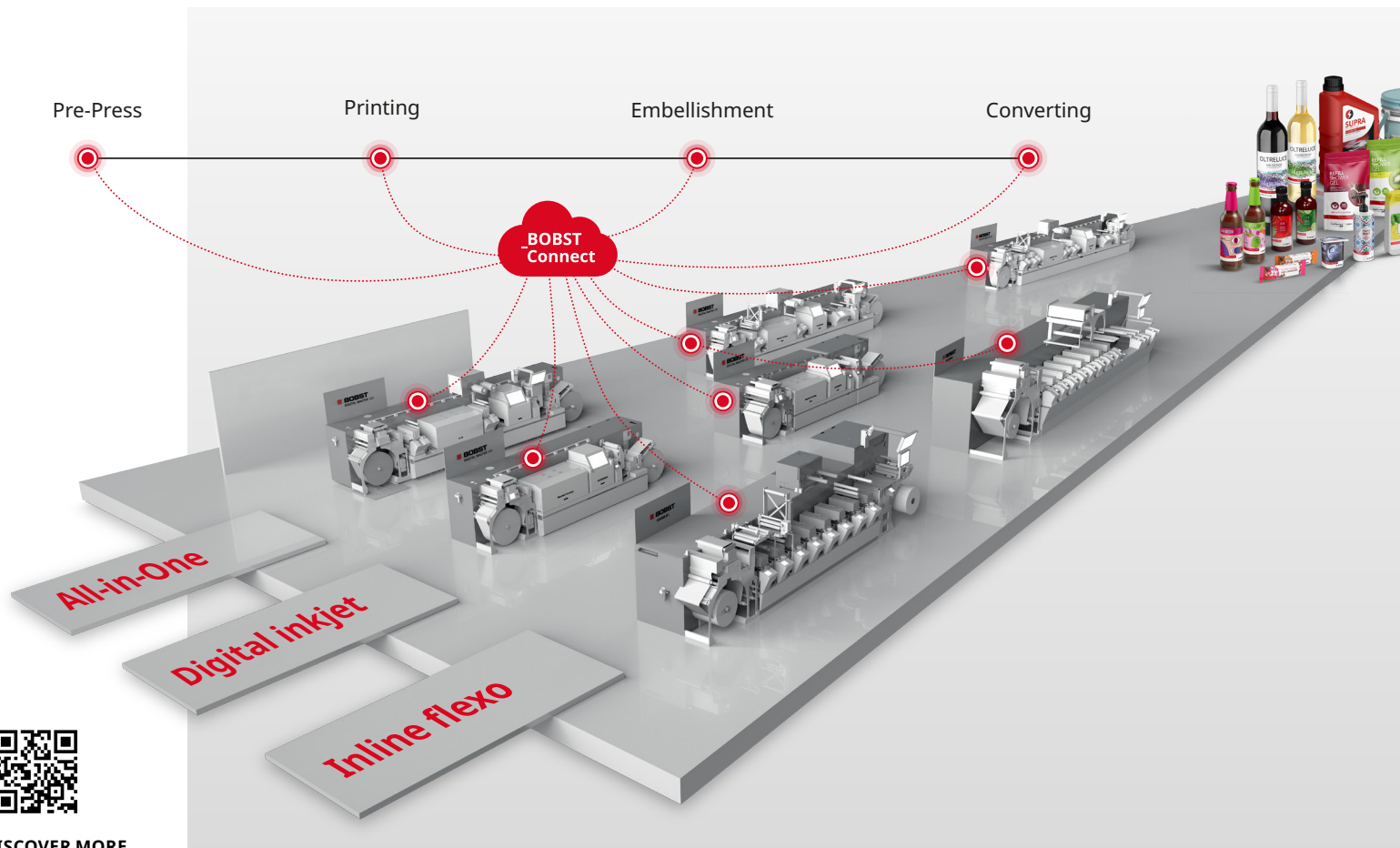
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Simplifying label production

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