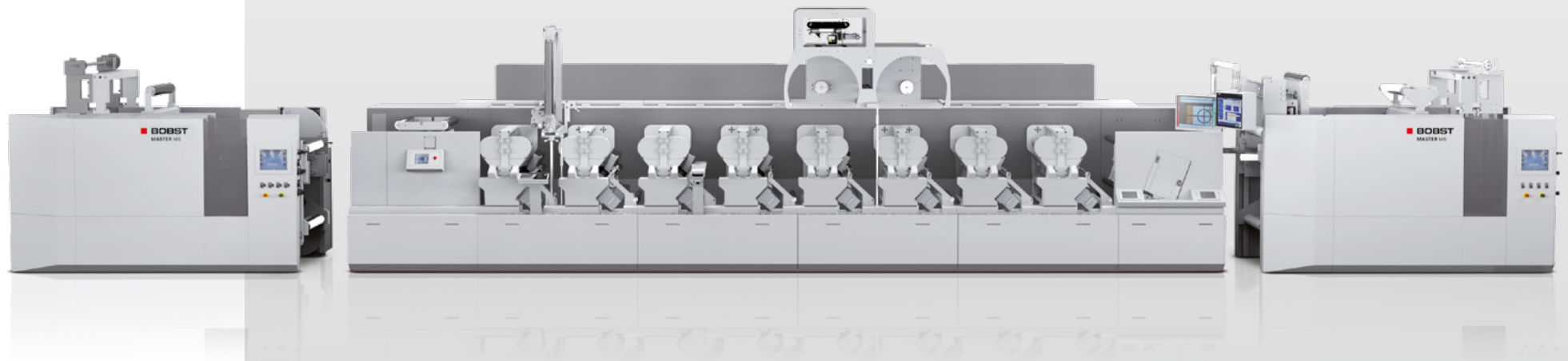


Exceptionally productive for Labels and Flexible Packaging



FLEXO PRINTING

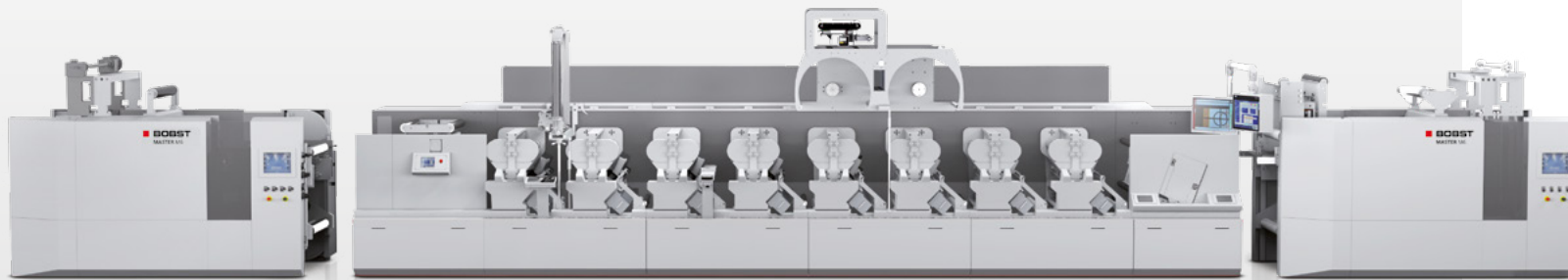
MASTER M6

Advancing flexibility

The **MASTER M6** is designed for the foremost flexibility to print labels, flexible packaging and folding carton. The monitoring systems it can be fitted with, guarantee the health and safety of food packaging applications. The press is equipped with DigiFlexo automation and oneECG technology delivering non-stop production through a centralized fully digitalized press operation.

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All run lengths, all applications, all industries

Exceptional productivity

Outstanding solution for food packaging

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

[> READ MORE](#)

Safety

Food safety and brand protection are major requirements. Anti-counterfeiting and traceability are required across the entire supply chain.

Customization, versioning, personalization

Packaging needs to reach all segments of society taking almost any shape and size across multiple job lengths across the globe.

Color control and brand image

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

Sustainability

Packaging production needs to reduce its environmental carbon footprint – less waste across the entire supply chain. New and thinner substrates. Recycling and re-use are the new rules.

Faster time-to-market

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



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Exceptional flexibility

The **MASTER M6** handles various types of substrates used for the production of labels, flexible packaging or folding carton.

- Reel-to-reel, reel-to-sheet, and reel-to-converting delivery
- Multi-process, product enhancing and inline finishing applications
- Lamination technologies - solventless, solvent-based, water-based
- Cast and cure
- Cold foil
- Multiple printing processes available: flexo, silk screen, gravure



Non-stop productivity

- Very short set-up time and waste
- One minute on-the-fly job changeovers
- DigiFlexo for automatic register control and printing pressure adjustment and DigiGap for automated die-cutting pressure control. They provide the shortest set-up time, minimal waste and consistent quality during production
- Smart DigiMount for highly automated, very accurate and fast plate mounting

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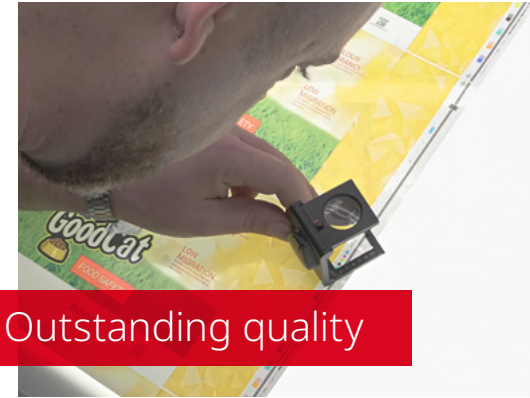
UV Track solution for food packaging

Exclusive total traceability system for food packaging applications. The UV emission is monitored while the press is running with certification of the whole printing process. This opens new opportunities for UV printed food packaging production. Compared to solvent and water-based inks, UV inks achieve higher print quality and color consistency combined with the absence of VOCs (volatile organic compounds), improving ink stability and sustainability.



Easy to run, clean and safe

- Very short set-up time and waste
- Digital automation ensuring productivity and process repeatability
- Very easy to run for less experienced operators
- Minimum and tool-free operator intervention
- Touch panel on each print unit and main touch screen HMI
- Production data accessible from remote devices



Outstanding quality

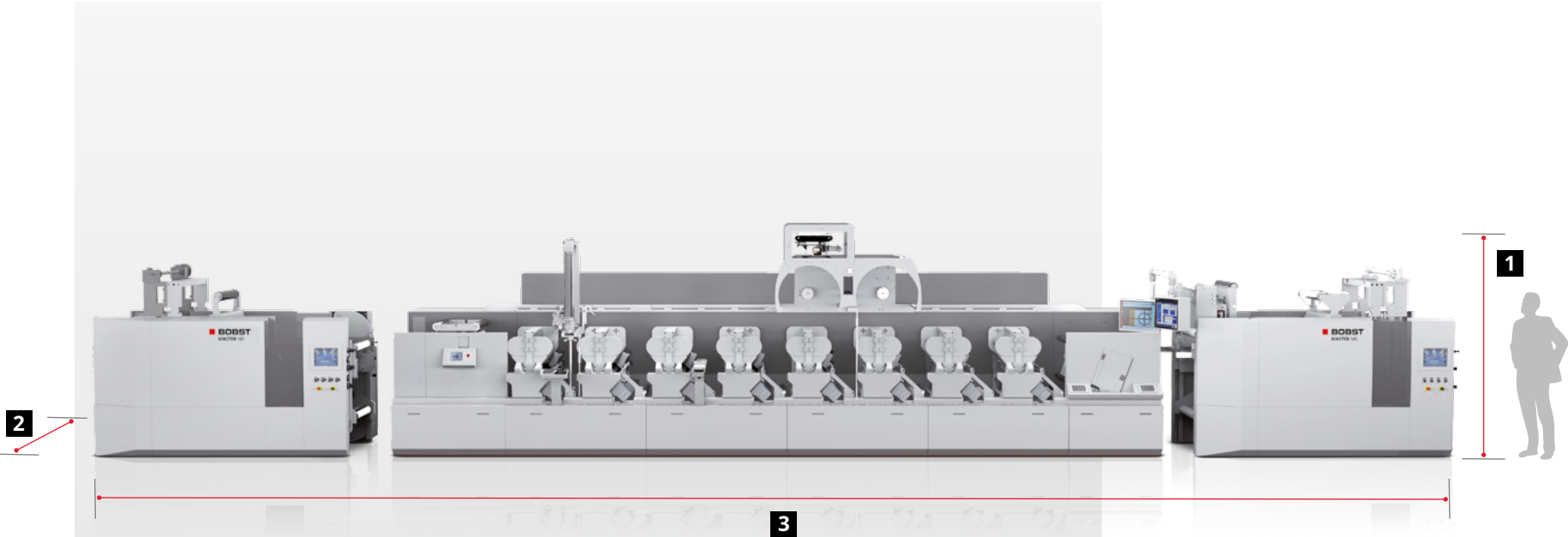
- Very accurate web-tension control from unwinder to rewinder
- Over-dimensioned chilled drums for positive web transportation on the most critical substrates
- Automatic pre-register setting
- SnowBall and Bambi technologies for high speed waste matrix rewinding with difficult materials and/or label shapes, available only if a die-cut is present on the press

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1	MASTER M6	
	2.5 m	8.20 ft*
2		
	4 m	13.12 ft*
3		
	17 m	55.77 ft*

*Measurements as per machine configuration featured above: web width 670 mm - 26 in, 8 colors.
Values may vary according to the configuration.

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Materials handled

Substrates for labels and flexible material applications:

Self-adhesive stock (paper, PET, BOPP); glossy paper from 60 to 100 gsm; unsupported film from 12μ PET, 18μ BOPP; 35μ PETg, PVC shrink; alu-foil from 20μ; lamitubes; light board up to 300 gsm

Substrates for carton applications (dedicated version):

Paper and board up to 450 gsm, 600 μm

Capability

Drive	Full servo	
Number of printing units	Unlimited	
Flexo sleeve print cylinder repeat, min-max	255 - 609.5 mm (option 813 mm)	10 - 24 in (option 32 in)
Web width*	430 mm	17 in
	530 mm	21 in
	670 mm	26 in
Speed	200 m/min (option 250 m/min)	660 ft/min (option 820 ft/min)
Unwinding reel diameter, max	1270 mm	50 in
Rewinding reel diameter, max	1270 mm	50 in
Automatic turret winders option reel diameter	1000 mm	39 in
Automatic butt splicing unwinder option reel diameter	up to 1800 mm	70 in

*Print width: less 10mm

Die-cutting*

Number of units	Up to 3 stations	
Repeat, min-max (430 mm - 17 in)	306 - 609.5 mm	12 - 24 in
Repeat, min-max (530 mm - 21 in)	355.5 - 609.5 mm	14 - 24 in
Matrix roll diameter	700 mm	27.5 in
SnowBall	Standard	
Easy Bambi	Available	
Metronome	Available	

*Only for 430 - 530 mm - 17 - 21 in models

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Automation

Automatic pre-register	Standard
Automatic register	Standard
DigiFlexo	Available
Excellence	Available
DigiGap*	Available

Dryers

UV on 27 in chilled drum	Standard
UV LED	Available
Hot air/IR dryers	Available
Multiple drying options for UV, water-based and solvent-based inks	UV, IR, hot air

Accessories

Rail	Available
Web turn bars	Available
Delam-Relam, up to 3 colors on adhesive	Available
Combo laminator and cold foil	Available
Solventless lamination unit	Available
Coupon: Combo 2 layers	Available
Coupon: QN3/5 layers*	Available

Printing

Sleeve type print unit version			Standard
oneECG process			Available
Gravure print unit repeat, min-max	330 - 660 mm	13 - 26 in	Available
Silk screen repeat min-max, version up to 530 mm - 21 in	305 - 609.5 mm	12 - 24 in	Available
Silk screen repeat min-max, version up to 670 mm - 26 in	406.5 - 648 mm	16 - 25.5 in	Available

*Only for 430 - 530 mm - 17 - 21 in models


Product types

PSA labels
Wet glue labels
Linerless labels
In-mould labels
Wrap around labels
Shrink sleeves
Multi-layer peel-and-reseal coupon labels
Labels combining all methods
Flexible packaging
Aluminium foil packaging
Laminated tubes
Folding carton packaging
Lottery tickets and security products

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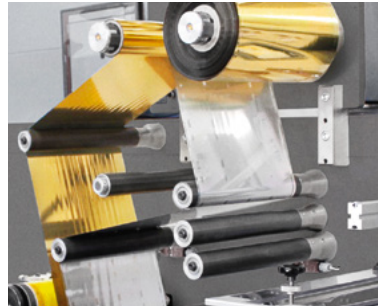
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Delam-Relam

Enables printing up to 3 colors on the adhesive for back side printing or multi-layer labels



Cold foil stamping

Cold stamping of glossy metallic effects with lower plate costs and higher speeds, using a Flower flexo head.

- Highly accurate control of foil tension on unwind and rewind shaft
- High precision adjustment of laminating pressure
- Multiple foils on the same shafts
- Movable on each print unit



Technologies for special labels

BOBST technologies for multiple web handling allow a wide range of possible multi-layer label configurations.

- Combo: 2-layer coupon labels
- Coupon QN3/5: 3 to 5 layer booklet labels



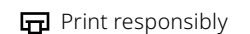
Silk screen

Ideal process for applications that need high coverage, accuracy of detail and color strength such as:

- Tactile
- Braille
- Matt & gloss effect
- Security printing
- Printing of high brilliance color on transparent substrate

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Choice of dryers

Different type of dryers are available for water and solvent-based applications. Modular design to adapt to specific requirements according to ink systems, coverage, and production speed. The corrosion-resistant components make all dryers suitable for water-based applications.

- Dryer's lengths from 0.5 to 8.0 m
- Multiple heat sources according to customer requirements
- Exclusive drying technology for higher speed and efficiency



Gravure unit

Heavy-duty high speed gravure unit developed in synergy with the BOBST Gravure Center of Excellence's team. Slide-in/Slide-out system for fast change of all elements of the print units

- Cold seal and heat seal lacquers
- Metallic inks
- Security applications



Inline lamination

- Wet bond
- Dry bond
- Solventless
- UV lamination

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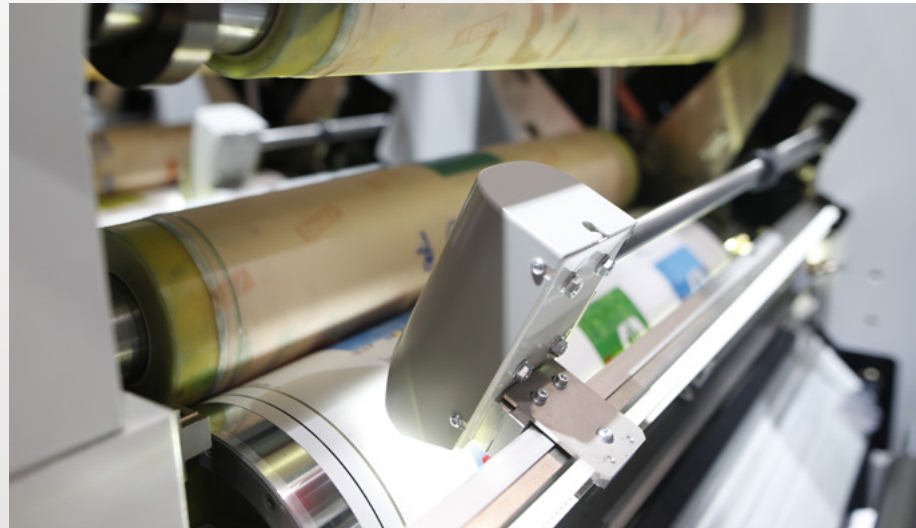
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The digital world of printing

A BOBST exclusive technology program, DigiFlexo Automation uses a wide range of new digital technologies to make printing and converting operations repeatable, quality-driven, consistent and highly efficient.

DigiFlexo Automation features:

- Minimum waste at start-up
- The most consistent printing and converting quality - controlled and adjusted at any speed
- minimize start-up waste and time
- guarantee consistent printing and converting quality at any speed
- guarantee consistent and repeatable quality and performance, with less dependence from operator's skills
- guarantee profitability also with very short runs



Product	Benefit
DigiFlexo	
PrintTutor	Full digital registration control
PrintTutor PLUS	Automated digital printing pressure pre-set and adjustment during production
DigiGap	
DigiGap	Digital gap and pressure control for accurate die-cutting pressure
Excellence	
ExcelPrint	Automatic exchange of print cylinders, without stopping the press
ExcelDie	Automatic die-cutting exchange between two die-cutting sections
QuickCut	Automatic non-stop on-the-fly waste stripping path change

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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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What is oneECG?

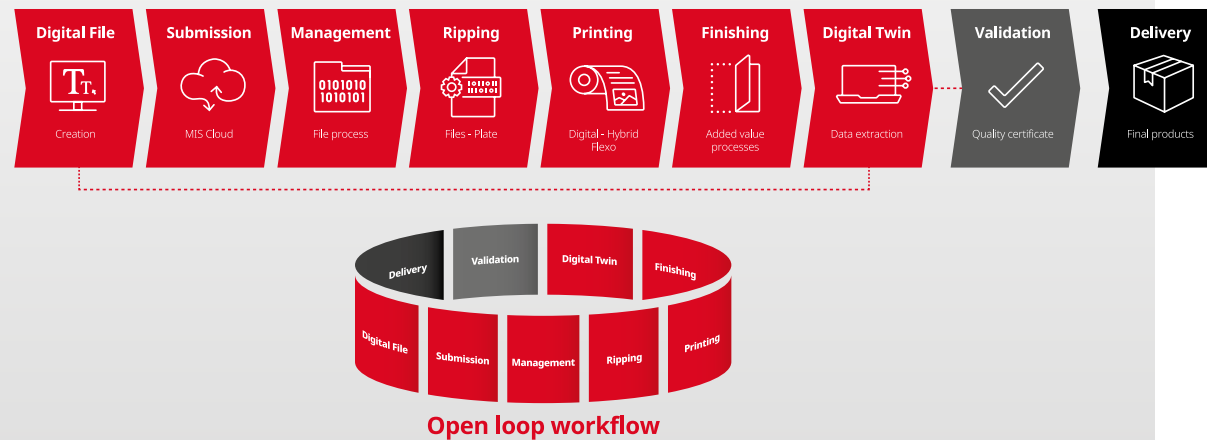
oneECG is BOBST contribution to the pioneering project set up in 2013 by a team of leading industry suppliers in the label and packaging industry with a view to digitalize the flexo process. Together they developed the DigiFlexo printing technology and a turnkey process named REVO that closes the gap between digital inkjet and traditional flexo, offering very productive process and presses that combine non-stop and versatile production at the very low operational costs.

oneECG Academy

Bobst Firenze is BOBST Center of Excellence for inline flexo printing. Its Competence Center is also home to the oneECG Academy where printers can experience and test end-to-end turnkey solutions that flow from pre-press through to printing, converting and data storage. The pre-press facility is equipped with state-of-the-art of ESKO and DuPont equipment including the Kongsberg Cutting Table and the ESKO and X-Rite software for color management.

Open loop workflow

From job creation to final delivery, we collaborate with the most important industry leading companies for a smooth workflow deployment into your environment.



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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



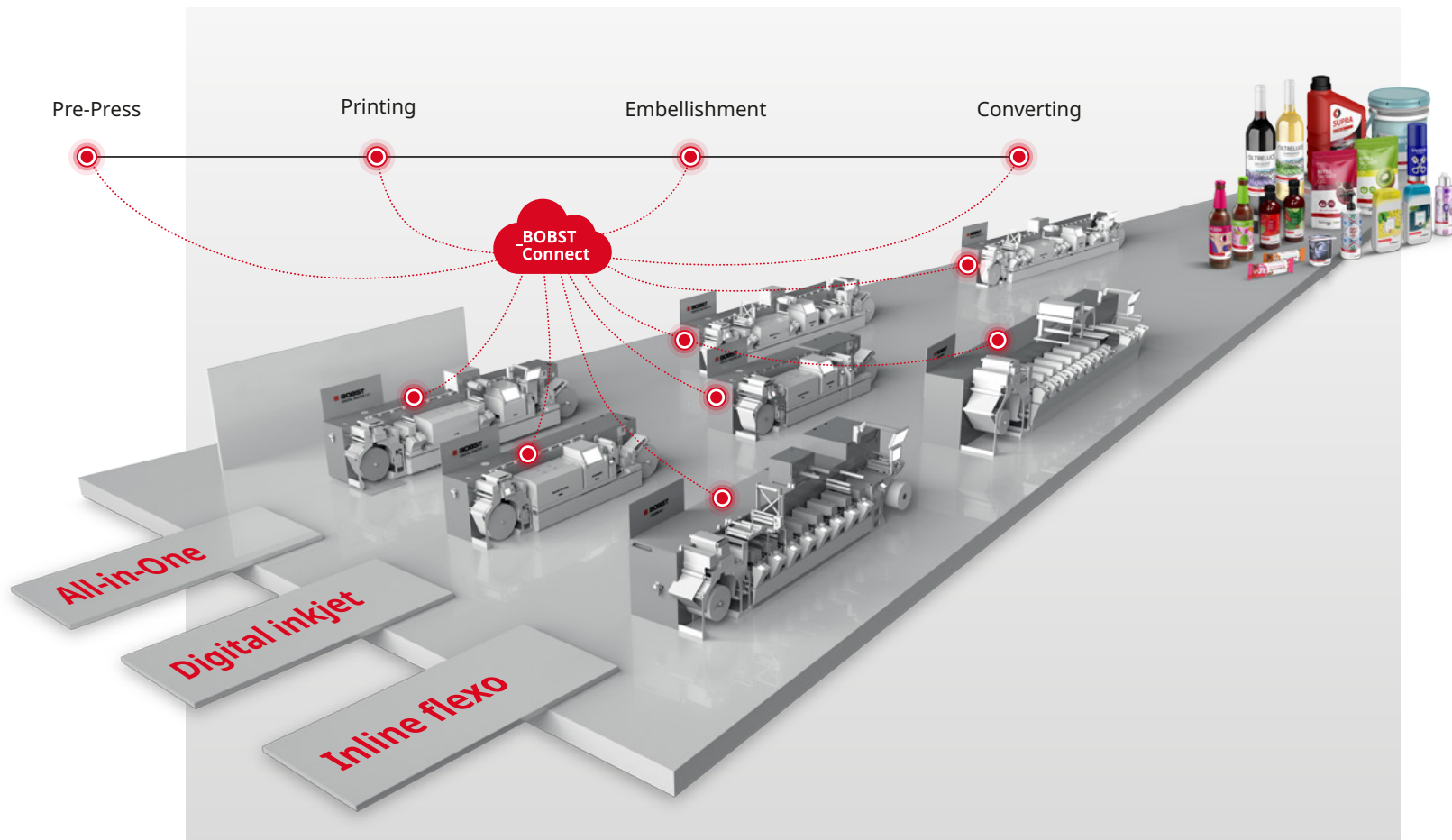
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Simplifying **label production**



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