Ultimate productivity
and unmatched quality

with Inside Outside Printing



FLEXO PRINTER & ROTARY DIE-CUTTER

EXPERTLINE DRO

www.bobst.com

BOBST

Powering performance

The ultimate productivity and unmatched quality with inside outside printing in one pass, designed for easy operations and optimised resources usage. The most versatile, the most automated, the most ergonomic solution of the market. More than 600 DRO machines installed worldwide over 30 years.



Ultimate productivity

Unmatched quality with inside printing

Safe & Easy operations

Optimised resources usage

EXPERTLINE DRO

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Creating **value**

BOBST innovations
are driven by customer and brand owner needs.

> READ MORE

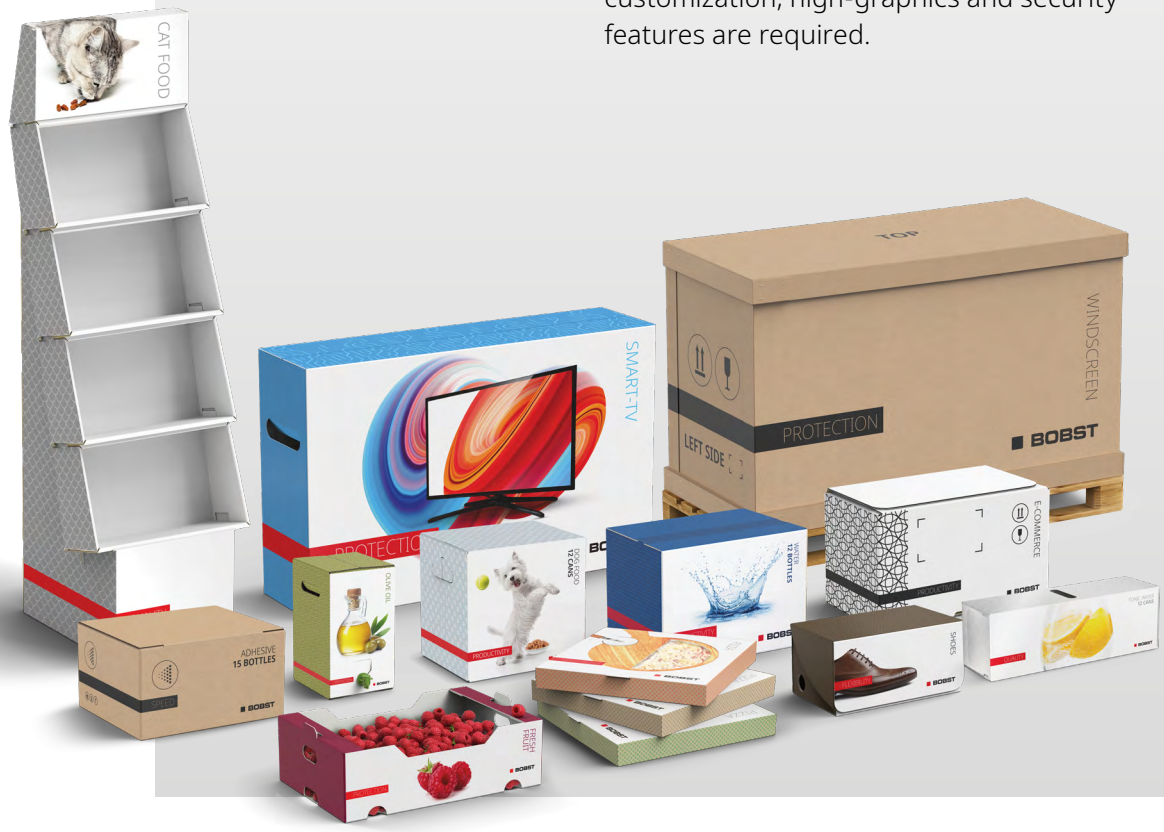
Goods protection and safety
Protecting the goods is the main requirement for corrugated boxes meaning high quality, clever designs, robustness and zero-fault.

Customized, premium, secured
Boxes play a new role where customization, high-graphics and security features are required.

Out of the box experience
Consumers expect the most relevant un-boxing of any goods. Packages are becoming more clever, telling a story as part of the brand positioning.

E-commerce
The demand is growing and is here to stay. Boxes need to come in almost any size and shape, requiring flexibility and productivity across the supply chain.

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.



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Agility and quality
Wide range of packaging

BOBST innovations
are driven by customer
and brand owner needs.

> READ MORE

Agility and quality
Shipping box, shelf ready packaging,
trays, heavy duty, consumer packaging

- From one side to inside outside printing
- Up to nine colors
- From simple block printing to high graphics
- From E-flute to double wall
- From simple tray to complex die cut
- From the smallest box to the biggest



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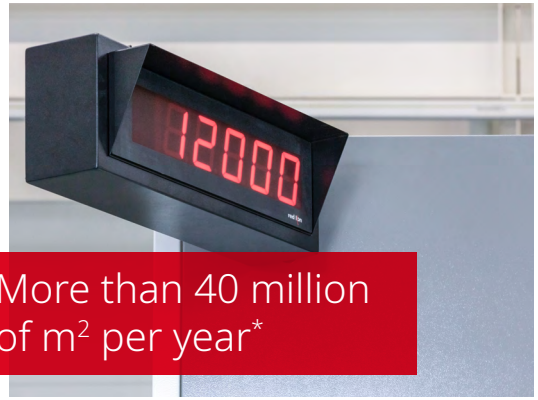
Ultimate **productivity**



High uptime

Full converting solution from prefeeder to palletizer

- Converting line printing and cutting in one pass
- Fully automated settings
- Connected machine



More than 40 million of m^2 per year*

Rated speed 12.000 F/h of the complete line

- Optimized productivity with large blank on the complete line
- Multi-out production
- Zero feed interrupt at any speed

*430 million of Square Feet



No limit of production

In one pass

- Switch from inside outside printing job to outside printing job without impacting productivity
- Versatile : e-commerce, shelf ready packaging, trays, heavy duty, consumer packaging

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Unmatched quality
with inside outside printing



Consistent quality

Added value packaging
- Up to 15% improvement of BCT with BOBST no crush feeder technology
- Over 99,9% die-cut waste ejection
- Consistent quality for each item, bundle and pile



High printing quality

High accuracy
- Efficient dust collection system for perfect printing quality on both sides
- Motorized skewing
- High register accuracy, print to print and print to cut



Premium experience

E-commerce solution in one pass
- EXPERTLINE DRO is inline with the fast acceleration of e-commerce offering 'Unboxing experience'
- Inside print with top flexo unit, patented solution
- No printing limit: up to 9 flexos units on the converting line

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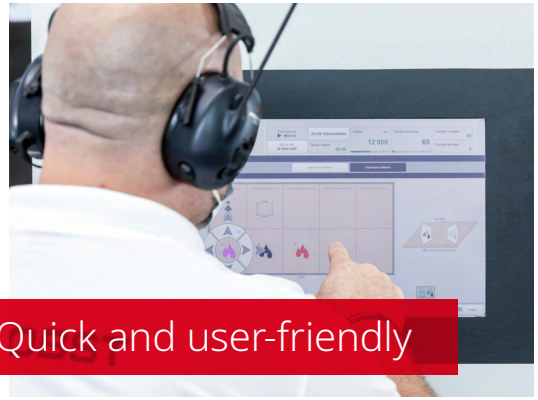
Safe and **Easy operations**



Intuitive set-ups

Easy to set

- Time-saving ergonomic: maximum uptime, minimum effort
- Production line with 100% automatized & saved settings, one button to set all the line
- Posilock®, quick positioning and locking system



Quick and user-friendly

Easy to operate

- The highest safety level solution on the market
- Intuitive and user-friendly interface with easy menu
- Easy sampling for quality control
- Carbon fiber doctor blade chamber for an easy and safe handling



Standardized spare parts

Easy to maintain

- Heavy duty design with standardized spare parts
- Maintenance free vacuum transfer
- All parts of the machine easily accessible

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Optimised **resources usage**



Waste reduction

Optimised use of natural resources

- Start & Go : drastic reduction of cardboard waste during set-ups & during production
- Vacuum power automatically adapted to the sheet size



Smart design

Sustainable operations

- No hydraulics
- Reduction of recall thanks to ejection of non conforming sheets before bundle stacking
- New conception of ink circuit to minimize ink waste during wash up



Made to last

BOBST Design expertise

- Designed in France, heavy duty engineering, high-quality manufacturing
- Robust, reliable solution made with more than 30 years of experience in rotary die-cutting
- Evolutive conception for future market needs

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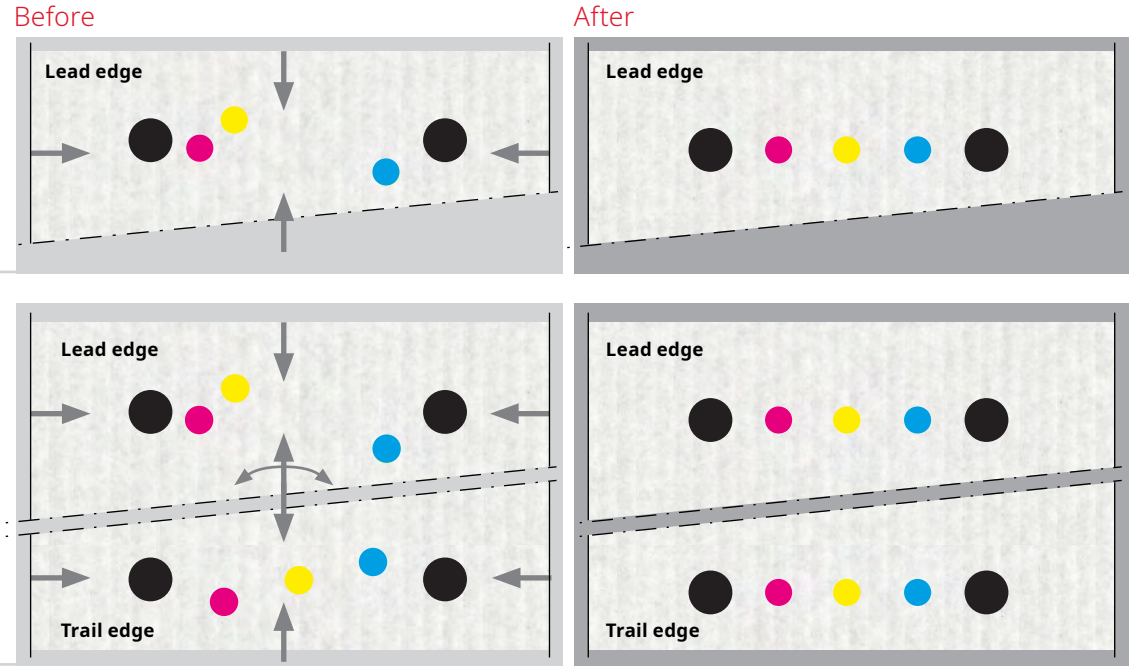
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OneRegister

Two quality control systems for perfect printing register consistency during set-up or during production.

Set & Check
Quick print register set-up: registration and centering

Start & Go
Fully automatic set-up of print register: registration, centering, elongation and skewing



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Specifications – Measurements and configurations



EXPERTDRO
2 Top flexo units + 4 Bottom flexo units
+ 1 Final transfer unit + 1 Speedstack

1

EXPERTDRO	3.8 m	12.4 ft*

2

EXPERTDRO	20.8 m	68.3 ft*

3

EXPERTDRO 2.4	8.0 m	26.2 ft
EXPERTDRO 2.8	8.4 m	27.6 ft
EXPERTDRO 3.2	8.8 m	28.8 ft

* Values may vary according to the configuration.

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Materials processed

Corrugated board.
Single wall and double wall, thickness from 1.4 to 10 mm (0.055 to 0.393 inches).

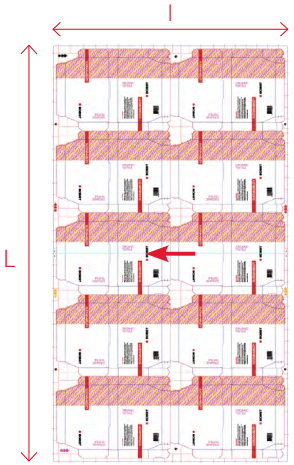
Sheets sizes

		Min. / mm With Speedstack	Min. / mm Without Speedstack	Max./mm	Min./ inch With Speedstack	Min./ inch Without Speedstack	Max./ inch
EXPERTDRO 2.4							
L	Sheet width	735	600	2 490	29	24	98.0
l	Sheet length (in running direction)	450	450	1 540	17.8	17.8	60.6
	Die-cut and printed sheet width	735	600	2 400	29	24	94.4
EXPERTDRO 2.8							
L	Sheet width	735	600	2 890	29	24	113.8
l	Sheet length (in running direction)	450	450	1 540	17.8	17.8	60.6
	Die-cut and printed sheet width	735	600	2 800	29	24	110.2
EXPERTDRO 3.2							
L	Sheet width	735	600	3 290	29	24	129.5
l	Sheet length (in running direction)	450	450	1 540	17.8	17.8	60.6
	Die-cut and printed sheet width	735	600	3 200	29	24	126.0

Machine specifications

Production speed - High Speed EXPERTDRO 2.4 / 2.8 / 3.2	12,000 s/h	
Production speed - EXPERTDRO 2.4 / 2.8	11,000 s/h	
Production speed - EXPERTDRO 3.2	10,000 s/h	
Nominal circumference of print cylinder	1 675 mm	66 in
Board infeed height	1200 mm	47.25 in
Power supply capacity - 6 colors and Speedstack	460 kVA*	
Air consumption - 6 colors and Speedstack	196 Nm3/h*	

* Value may vary according to configuration.



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Related products



MULTILOADER
Reliable and easy to use
This fully automatic prefeeder ensures optimum production line capacity. Sheets are fed accurately and evenly. It feeds EXPERTDRO and runs with all types of flutes.



SPEEDPAL - High performance, intuitive and safe
The fully automated palletizer can handle any product mix the EXPERTDRO can deliver at high speeds, levels of quality and flexibility.

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Ultimate productivity
Safe and easy operations



PERIPHERAL EQUIPMENT

SPEEDPAL

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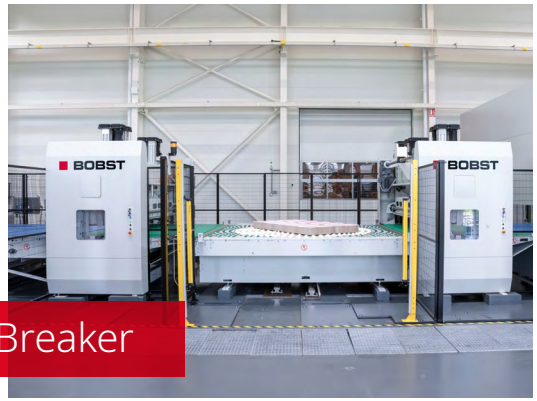
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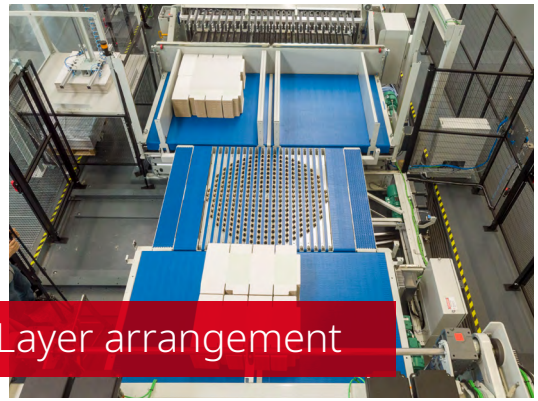
Ultimate **productivity**



Breaker

Electrical Breakers with rotating table

- Optimize breaking process thanks independent electrical pressing devices batch up to 400mm high
- Smooth and fast electrical breaking action preserve packaging integrity
- Blanks size from 2.8m x 1.6m to 0.2m x 0.2m



Layer arrangement

Flat transport of batches

- Smooth transfer, perfect layer consistency and breaking efficiency
- Squaring table with double batches mode
- Stability of piles thanks bundle inverter and tie sheet inserter



Pile Stacker

Double pile perfectly squared and centered

- Perfect pile quality thanks independent jogging frame
- Flexible solution with multiple possibilities on pile evacuation
- Pallet inserter and protection sheets to preserve packaging integrity

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Safe and easy operations



Breaker

Ergonomic design and unrivaled level of safety

– Fully compliant with the latest safety regulation



Easy menu

HMI Sphere

– High definition touch screens
– Intuitive navigation
– Simple step-by-step procedure guides the operator through the job set-up process



Safe and ergonomic

Easy access for maintenance

– User friendly jam-up procedure for quick machine start

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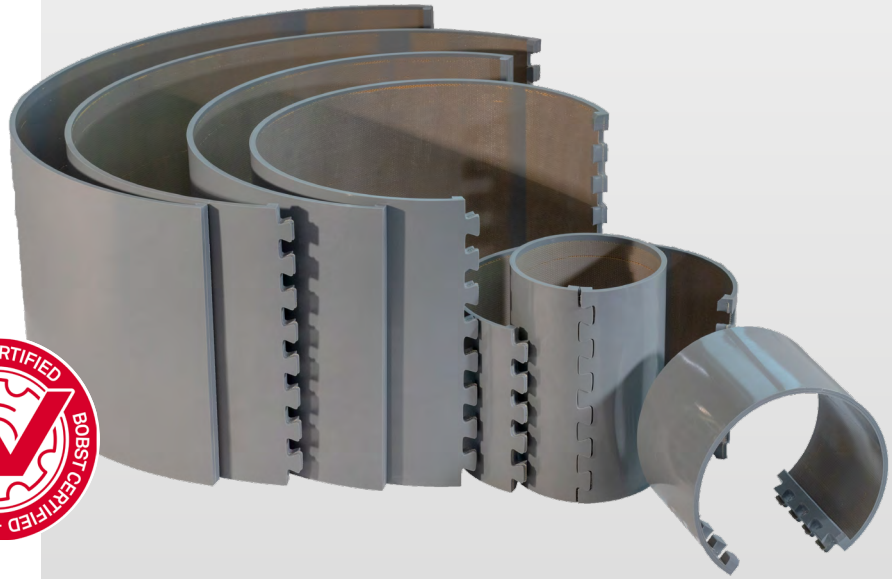
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Maintaining **excellence**

Expert services for all your equipment.
Improve your processes, boost your productivity and enhance your expertise with a complete range of services from BOBST.



Maintenance Plus

- Scheduled maintenance with BOBST certified technicians
- Preventative intervention, maximizing machine uptime
- Optimum performance over the equipment lifetime

> WATCH VIDEO

Approved parts and logistics

- BOBST Original and Certified parts, and consumables
- Quality assurance, and extended maintenance intervals
- Worldwide distribution, and full availability where and when you need it

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Machine upgrades

- Additional features, configured for your machine
- Enhanced functionality, connectivity and capability
- Future-proofing your investment, maintaining competitive advantage

> LEARN MORE

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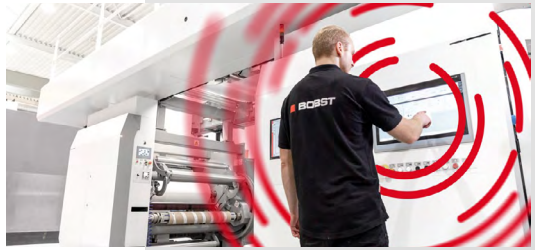
Digital-age manufacturing happening with BOBST Connect

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

As well as exceptional data insights, **BOBST Connect** helps to orchestrate and enhance 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.

BOBST Connect gives you access to the BOBST ecosystem of digital services, whether you're a printer or a converter. It offers you a host of features and functionality to help you optimize your packaging production.

BOBST Connect Essential is the first subscription level that incorporates the critical components wof the transformation in packaging production, automation, and the fully connected workflow.



Benefits

Access to data

– An easy, smooth introduction to the data-driven world
– See relevant data remotely from anywhere
– Access data in real time, with history readily available
– Production performance documented by machine solution

Improved performance

– Provides relevant data to optimize and improve your production performance
– Production data allows you to improve machine handling and shift output

Remote support

– Priority access to technical specialists
– Video with Augmented Reality support using Teamviewer allows fast, remote resolution of electrical and mechanical problems, and reduced downtime
– 24/7 support available

Features

The BOBST Connect Essential solutions package includes a wide range of features such as:

– **Performance analysis** – identify and eliminate performance gaps
– **Accurate OEE** – meaningful insights on downtime, target speed and quality losses
– **Direct connection** – remote connection direct to your machine
– **Progress indicator** – shows job completion time, and empowers interventions
– **Reporting** – trend analysis over time
– **Shift management** – optimize resource planning and efficiency
– **User-centric** – an interface that is intuitive, clear and easy to use

Specifications

– Cloud-based platform, developed by BOBST, based on Microsoft Azure
– Integrates with your MES (Manufacturing Execution System), MIS (Management Information System) and ERP (Enterprise Resource Planning), as well as third party cloud-based applications
– Hosted in a fully secure, ISO 27001 certified environment

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