

# **The highly productive coater**



**MULTI-TECHNOLOGY COATING**

**EXPERTCOAT 1000**

At a glance

**BOBST**

# Advancing productivity

The **EXPERTCOAT 1000** is a multi-technology coating line. Equipped with automatic winders, and offering the option of single or multi-coating head and drying tunnel configurations, it is tailored to the needs of customers seeking a coating line with some degree of customizing. It is available in duplex or duplex tandem configuration.

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Unique and highly versatile

Superb product quality

Operator-oriented and reliable

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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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### Efficient and Powerful

- Multi-trolley design for application of different process technologies: rotogravure, pressurized chamber, twin-roll and flexo printing trolleys
- For a variety of coating applications: solvent-based & water-based lacquer and adhesive coating, in register applications and barrier solutions
- High machine configurability incorporating all the considerable advantages of BOBST Coating technology
- Ideal for medium to large sized companies to diversify into coating applications



### Superb product quality

- Very sensitive web handling of all substrates types, thicknesses and web combinations
- Latest trolley design delivering coating uniformity and superior optical quality for all applications
- Easy, fast coating technology change-over
- Dedicated features such as a strain control function for sensitive substrates

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### Maximum Efficiency

- Hybrid dryer up to 5 sections with dual technology nozzles
- Fully automatic bi-directional reel splice at machine production speed



### Superior performance

- Twin-Roll system with vertical configuration, providing wide process windows, uniform coating, superior optical quality of the finished product and cost efficiency
- BOBST pressurized Chamber Doctor Blade ensures foaming reduction with Water-Based lacquers thanks to the limited agitation of the coating media. Variable pressure setting allows for wide coating weight adjustment
- High performance in-register mark-to-mark technology when applying coatings on pre-printed materials
- Pull unit at drying unit exit, with rubber roller touching the non-coated side

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### Operator-friendly and safe

- Job change-over completed in a matter of minutes without tools
- Dryer book-type opening up to 70° for optimum accessibility for web threading and cleaning
- Cooling group after drying tunnel with three rollers
- Coating unit fully enclosed for safer operation and reduced exposure to solvent vapours and fumes
- Safety beam device on all the winders for total operator safety. Operator can easily and rapidly switch between jobs
- Fully integrated HMI for setting, display and storage of individual job parameters in easy to recall job recipes
- BOBST Connect ready



### Automation & connectivity

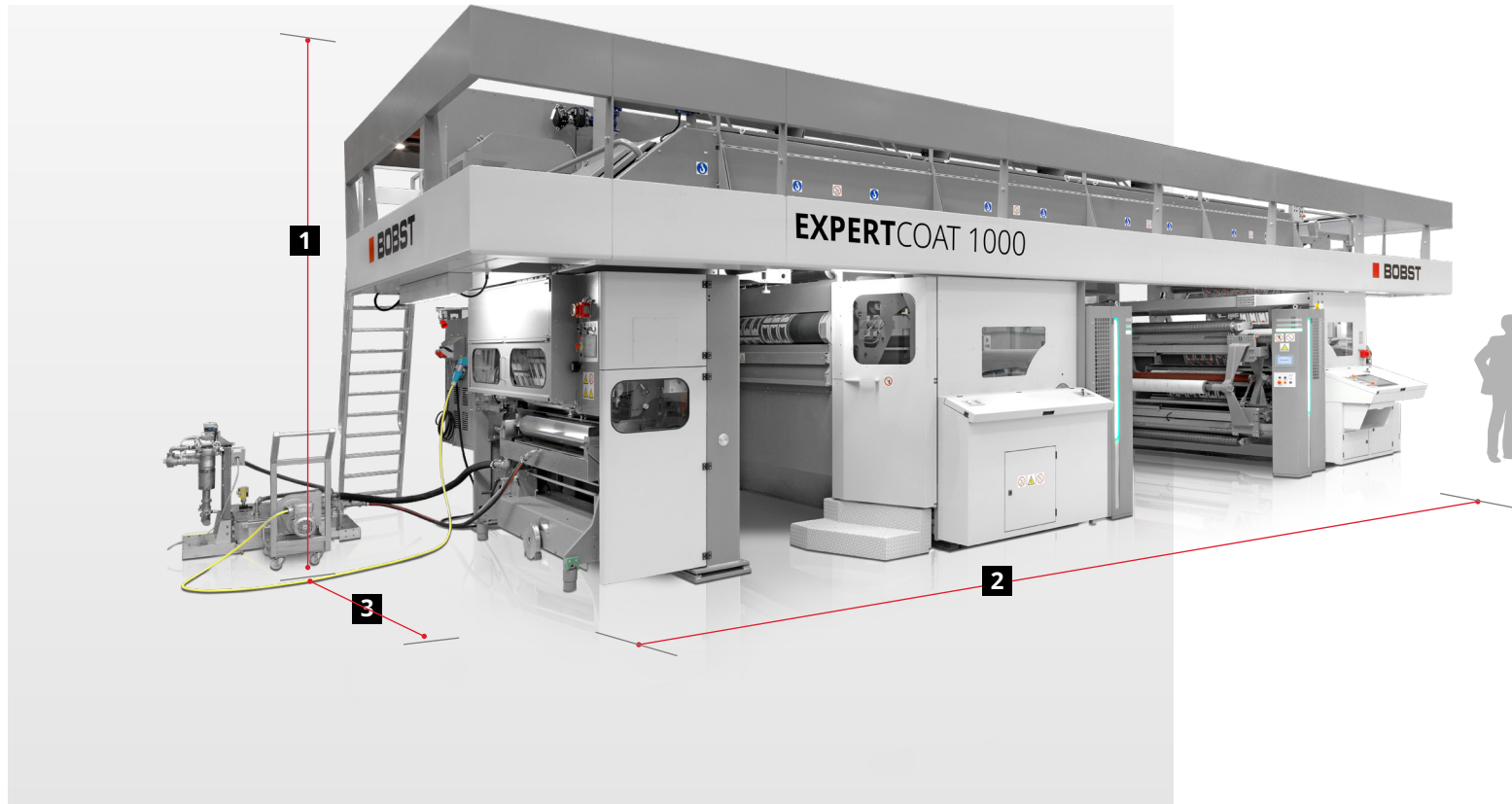
- Fully integrated Human Machine Interface (HMI) with common style and usability across all BOBST equipment
- Advanced SPHERE HMI allows the operator to display and manage in real time the status of all significant process parameters, including downtime tracking and waste management
- Exclusive automation features ensuring process repeatability and required productivity specifications
- Connectivity features for full production and quality control. BOBST Connect Essential

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<b>1</b>	<b>EXPERTCOAT 1000</b>	
	5.7 m	18.7 ft*
<b>2</b>		
	18.5 m*	60.7 ft*
<b>3</b>		
	5.2 m	17.0 ft*

\* Values may vary according to the configuration.

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### Materials handled

Substrates	Film, aluminium foil, paper, laminates
Lacquers	Solvent-based, water-based
Adhesives*	Solvent-based, water-based, Solventless

### Capability

Web width	1330 - 1730 mm**	52.3 - 68.1 in
Max mechanical speed	600 m/min	1970 ft/min
Winders type	Shafted and shaftless	
Reel diameter shafted automatic winders	1000 / 1300 mm	40.0 / 51.2 in
Reel diameter shaftless single winders	1000 / 1300 mm	40.0 / 51.2 in
Heating Systems	Thermal oil, steam, gas burner, electric	

\*\* Other web widths upon special request

### Trolleys

Gravure	Available
Solventless*	Available
In-register applications: cold seal, lacquer, one color printing	Available
Flexo*	Available
Twin Roll	Available
Pressurized closed chamber doctor blade	Available

\*in case of lamination

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### **Twin Roll**

The Twin Roll trolley coating system with its vertical configuration of the dosing and coating rollers has been designed for both water and solvent based coating applications. It can handle a very wide range of coating weights, viscosities and solid contents. With options of forward and reverse rotation for primer, lacquers and top coating, it is also suitable for heat seal applications. The system design is based on the unique experience of BOBST oneBARRIER processes, PrimeCycle and FibreCycle.



### **Pressurized closed chamber doctor blade**

With its unique design, BOBST Pressurized Chamber Doctor Blade trolley allows for good coating weight flexibility without changing the engraved cylinder. It has been designed for adjustable internal pressure and the 2-chamber layout allows for high optical quality thanks to the reduced air entrapment. The blade holder clamping system can be removed quickly and without tools for a fast blade change-over without discharging the lacquer. The trolley can be used in forward and reverse rotation with fast set-up.

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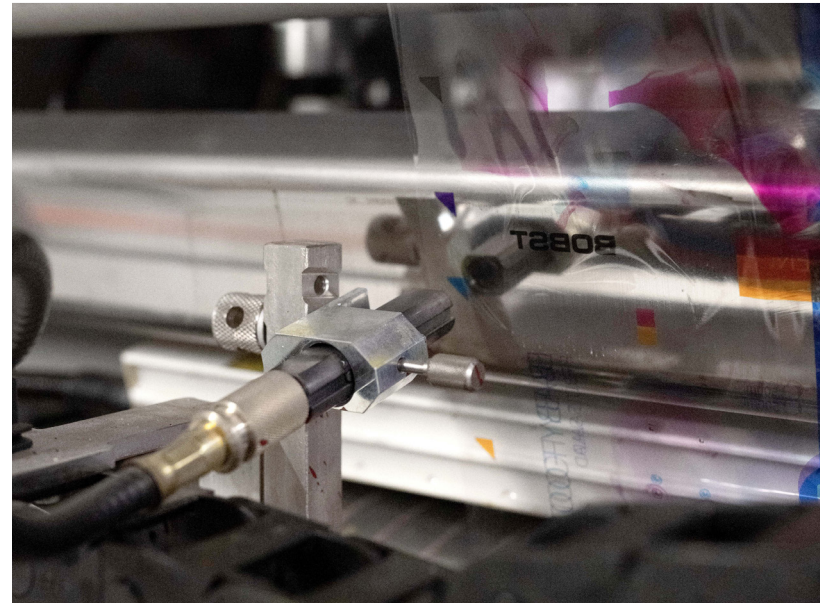
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### Rotogravure trolley

The trolley design benefits from BOBST's extensive know-how and experience with gravure printing lines to ensure consistent adhesive coating at any production speed, as well as ease of use. These cross-technology synergies have been exploited to provide full interchangeability of the pressure system and doctor blade holder on all the BOBST laminators of the same web width. This achieves significant benefits in terms of machine maintenance and supply of spare parts for owners of more than one line. As an option, the same rotogravure trolley can be used in either direct or indirect mode.



### Registron® mark-to-mark reading technology

The exclusive Registron® mark-to-mark reading of the longitudinal and lateral register on preprinted substrates avoids nonconformity of finished reels. The system ensures real-time process control during in-register applications, delivering exceptional savings in time, materials, consumables, and energy.

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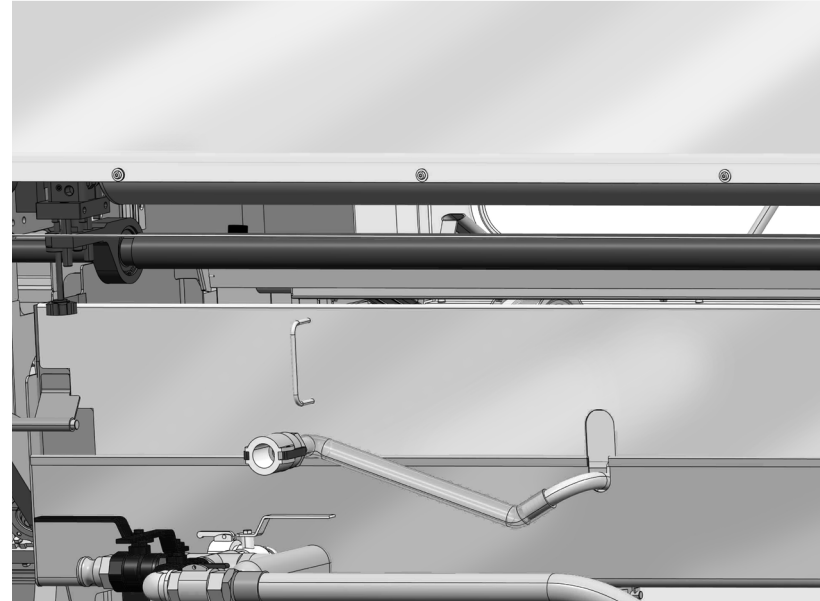
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### Vacuum roller

Efficient and compact, this unit is installed at the drying tunnel inlet to ensure smooth web handling and tension control. Working on the uncoated web side, it features a wide wrapping angle with fixed or variable suction width. The surface is available in plasma-coated or mesh-covered options for enhanced durability and performance.



### Smoothing bar

Designed to enhance optical quality by smoothing coating unevenness from rotogravure applications. Motorized with variable speeds and rotation in both directions, it also offers improved ergonomics for easy handling.

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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.



## Maintain your investment

- 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

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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 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.



## Performance analysis

- Production insights, including interaction of OEE components
- Identify and eliminate performance gaps

## Accurate reporting

- Meaningful insights on OEE and downtime
- Accurately measure target speed and quality losses
- Trend analysis over time

## Progress indicator

- Highlights extensive production deviations
- Empowers timely interventions

## Remote assistance

- Priority access to technical specialists
- Video with Augmented Reality expert support based on real-time data
- Available 24/7 (optional)

## Shift management

- Optimize planning time
- Deliver overall resource efficiency

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