

Your first steps in coating solutions



COMPACT COATING TECHNOLOGY

VISIONCOAT 800

At a glance



Boosting flexibility

The **VISIONCOAT 800** is a single-head coating line that addresses the trends and functionality of substrate lacquering segments. The machine is equipped both with automatic and single winders. Such flexibility addresses the market needs in terms of productivity and evolving levels of both quality and technology.

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High flexibility and productivity

Automatic winders for **maximum uptime**

BOBST Connect Essential, data and connectivity, **as standard**

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

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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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Flexible and powerful

- Multi-trolley coating unit designed for application of different process technologies: solvent-based and water-based. A compact solution suitable for an extensive range of coatings
- Very fast toolless job changeovers. High machine uptime and fast time-to-market
- The machine is equipped both with automatic and single winders for different market requirements and maximum flexibility
- Minimized waste at start-up and fully automatic reel splice performed at production speed
- The only machine on the market with easy and full access to all machine sections



Premium product quality

- Flawless coating quality with all substrate types and thicknesses including all new sustainable materials. Excellent performance with various chemistries
- Web handling system with motorized rollers in flat drying tunnel avoids breakages and scratches on critical substrates
- All trolley designs ensure consistent coating uniformity and high optical quality with all applications. The exclusive twin-roll trolley offers a high process window with one single solution
- Motorized pressure roller for more accurate and uniform coating, ideal for Twin Roll and reverse coating technology

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Flat drying tunnel

- Flat drying tunnel offering motorized rollers and straight web path for high precision web handling and perfect transportation of all kinds of substrates
- Dryer structure entirely made of stainless steel allowing drying of all coating types, including water-based lacquers
- Quick and trouble-free maintenance thanks to optimum accessibility to the easily removable stainless steel nozzles



Exclusive Twin Roll trolley technology

- This advanced coating technology is based on the vertical configuration of the dosing and coating rollers
- This unique solution allows a wide process window with extremes of low and high viscosities and coating weights in one single trolley
- Superior optical quality of the finished products
- Possibility to use less solvent thanks to higher solid content compared to traditional coating systems
- Cost efficiency and energy saving: lower drying temperature and higher running speed thanks to reduced wet coating weight
- Suitable for solvent-based and water-based applications, on film and paper substrates

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Operator-friendly and safe

- Compact design with easy side trolley extraction
- Automated solutions simplifying operators' tasks. Fast and simple machine set-up and switching between jobs
- Toolless trolley changeover
- Automatic clamping of the coating cylinder during job changeover
- Toolless coating sleeve changes performed in under 90 seconds
- Safer and healthier working environment thanks to solutions that considerably reduce lacquer fumes near the coating area
- CE certification and ATEX regulation in standard configuration



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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1	VISIONCOAT 800	
	5.0 m	16.4 ft*
2	11.7 m*	38.4 ft*
3	5.8 m	19.0 ft*

*Values may vary according to the configuration and accessories.

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Materials handled

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

*in case of lamination

Capability

Web width	1030 - 1330 - 1530 mm	40.5 - 52.3 - 60.2 in
Max mechanical speed	450 m/min	1476 ft/min
Winders type	Shafted and shaftless	
Reel diameter shafted automatic winders	1000 mm	39.4 in
Reel diameter shaftless single winders	1000 mm	39.4 in
Heating Systems	Thermal oil, steam, gas burner, electric	

Trolleys

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

*in case of lamination

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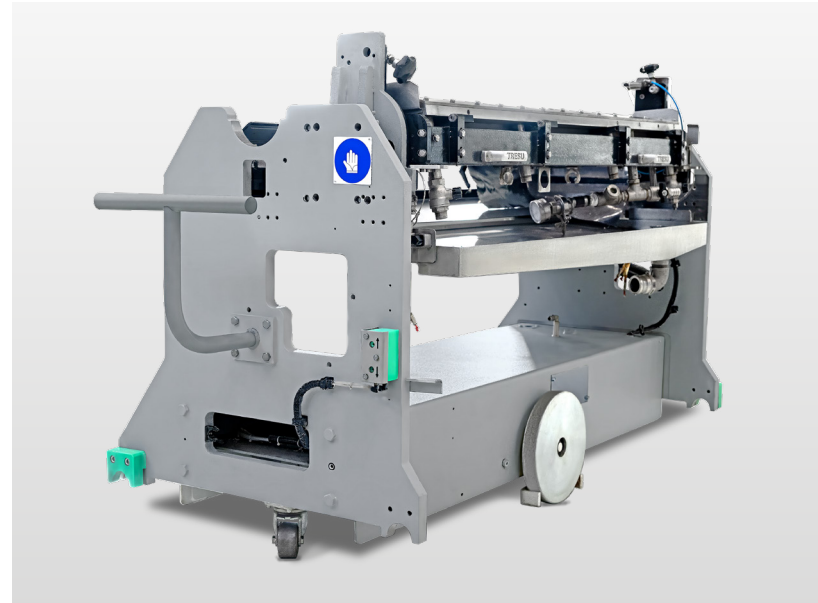
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Twin Roll

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.



Closed chamber doctor blade

A closed chamber doctor blade system for coating utilizing two doctor blades to create an enclosed space around an anilox roller, precise metering and control of the flow of coating material onto the substrate. This system minimizes evaporation, viscosity changes, air entrapment (foam formation) and contamination of the coating, resulting in improved coating quality and consistency.

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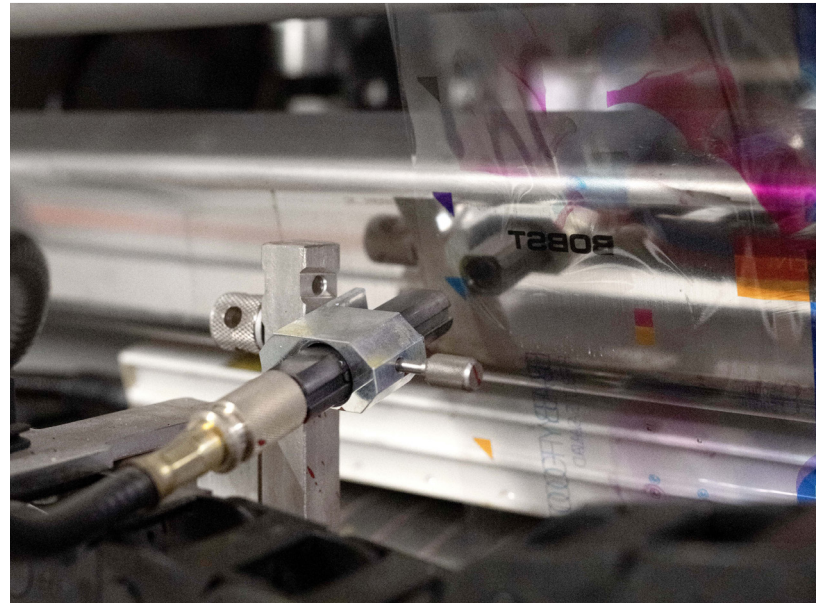
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Rotogravure trolley

The trolley design benefits from BOBST's extensive know-how and experience with gravure printing lines to ensure consistent 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 coaters and 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 forward or reverse direction.



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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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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