

**User-friendly, flexible, efficient**



**MULTI-TECHNOLOGY LAMINATION**

**NOVALAM 800**

At a glance

**BOBST**

# Leading sustainability

Increased user-friendliness is the name of the game of the multi-technology **NOVALAM 800** new 2023 design. The 4 column layout enables better accessibility for quality control and considerably speeds up the operator's tasks enabling faster and easier web infeed, cleaning and maintenance. Features of this highly efficient machine include availability of BOBST flexo trolley for high-speed coating of solvent-based adhesive with high solid content and the new 3-roll laminating nip. Furthermore, it can use all the trolleys of BOBST laminators, which are interchangeable.



**Compact**, automated, connected

**Superb product quality** and sustainable operation

**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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### Superb product quality and sustainable operation

- High quality flexible packaging laminates from short runs upwards
- 3-roller laminating system ensures premium optical quality of different laminated structures and different laminating technologies
- Flat drying tunnel and perfect web transportation by motorized rollers. No breakages or scratches on critical substrates like alu-foil and metallized films
- Excellent performance at speed with thin stretchable materials
- Max 50 m waste at start-up and at reel splice performed at production speed
- Exclusive Regstron® Mark-to-Mark technology for in-register cold seal and lacquer coating. Reading of cold seal coating application in real time, avoiding costly non-conformities



### Unique flexo trolley

- The highest quality application for coating solvent-based adhesives with more than 150 flexo trolleys in operation worldwide
- Lower coating weight with equivalent bond strength of the rotogravure coating system
- Superior optical quality of the laminated structure
- Ideal for adhesive coating directly on thin aluminium foil. No wrinkles, no foil breakage
- Less adhesive required and up to 50% less solvent as the system can apply adhesive with high solid and low coating weight
- Lower drying temperatures due to adhesive's lower solvent content
- Optimal for more complex applications such as retort packaging and high grammage coating

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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 to dry all adhesive types, including water-based adhesives
- The stainless steel nozzles are easily removable for quick and trouble-free maintenance. The optimum accessibility to the nozzles means fast and easy extraction



Fast and easy job changeover

- The operator can easily and rapidly switch between jobs, set-up time is fast and simple
- Automated solution significantly simplifies handling for the operator, for example with toolless trolley changeover and the automatic clamping of the coating cylinder during job changeover
- Compact design with easy side trolley extraction meaning a reduced machine footprint
- Coating sleeve changes are toolless and are done in under 90 seconds

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Operator-friendly and safe

- Layout characterized by a 4-column design: two separating the coating section from the primary unwinder, and two separating the bonding section and the rewinder from the secondary unwinder. The machine operator friendly-oriented layout grants optimum accessibility to all machine sections. It facilitates and speeds web infeed, the removal of air nozzles, as well as cleaning and maintenance operations, considerably reducing machine downtime.
- Safer and healthier working environment from solutions that considerably reduce adhesive fumes near the coating and laminating area
- Machine noise level down to 80 dB(A)
- CE certification and ATEX regulation in standard configuration



Automation & connectivity

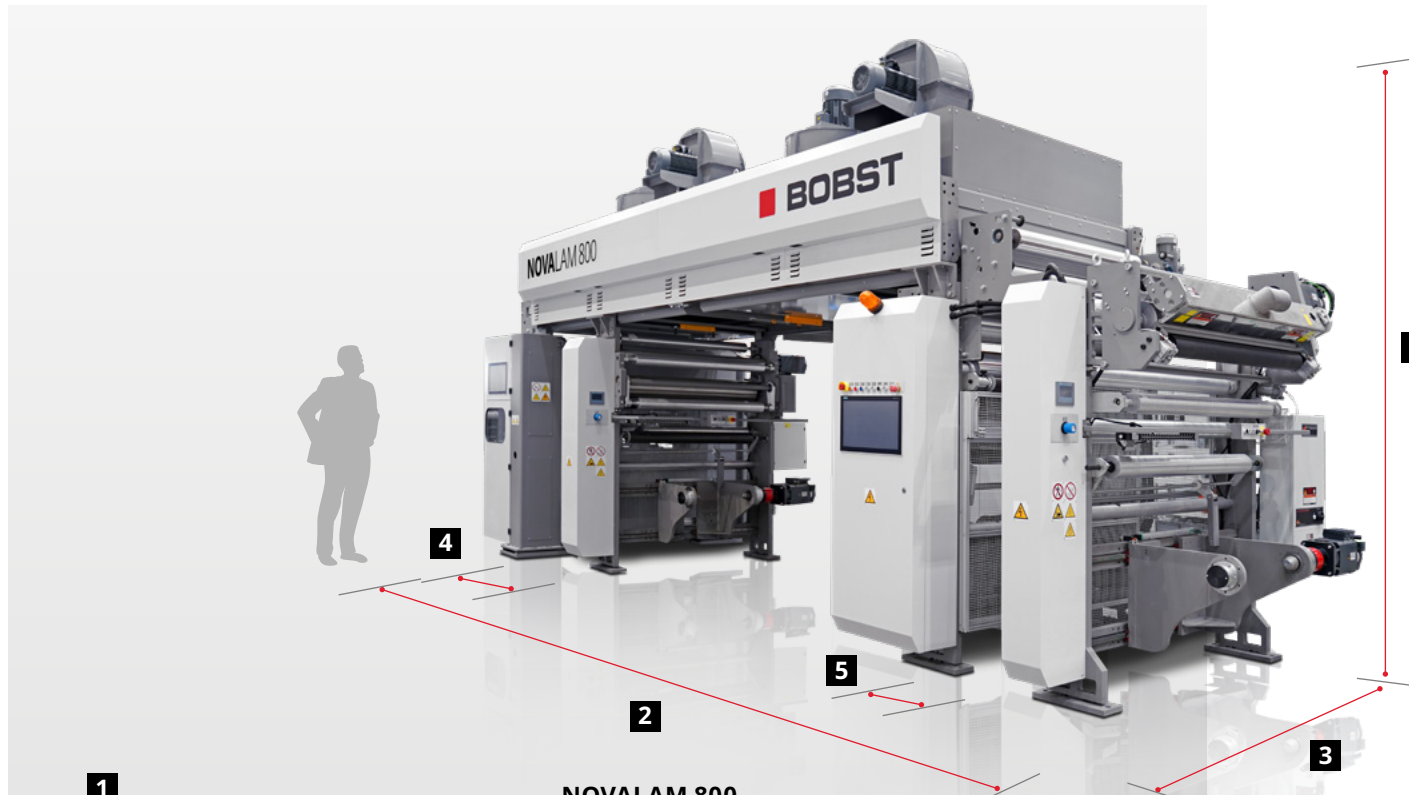
- Fully integrated Human Machine Interface (HMI) with common style and usability across all BOBST equipment
- Advanced SPHERE HMI allows the operator to display and manage in real time the status of all significant process parameters, including downtime tracking and waste management
- Exclusive automation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

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<b>1</b>	<b>NOVALAM 800</b>	
	4.9 m	16 ft*
<b>2</b>	8.9 m	29.2 ft*
<b>3</b>	4.6 m	15.1 ft*
<b>4</b>	Access between columns	0.9 m 2.9 ft
<b>5</b>	Access between columns	0.65 m 2 ft

\*Values may vary according to the configuration.

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### Materials handled

Substrates	Film, aluminium foil, laminates
Adhesives	Solventless, solvent-based, water-based

### 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		Shaftless
Reel diameter	1000 - 1200 mm	39.4 - 47.2 in

### Trolleys

Gravure	Available
Solventless	Available
In-register applications: cold seal, lacquer, one color printing	Available
Flexo	Available

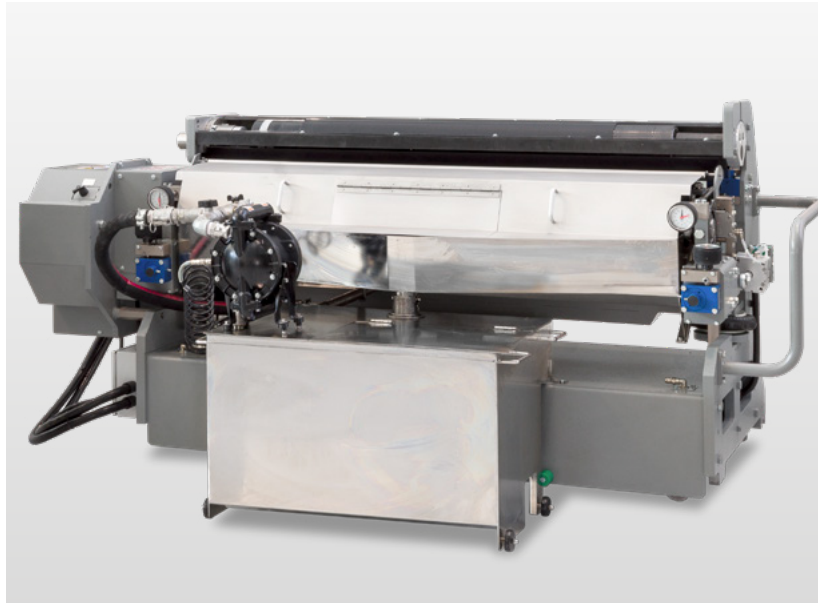
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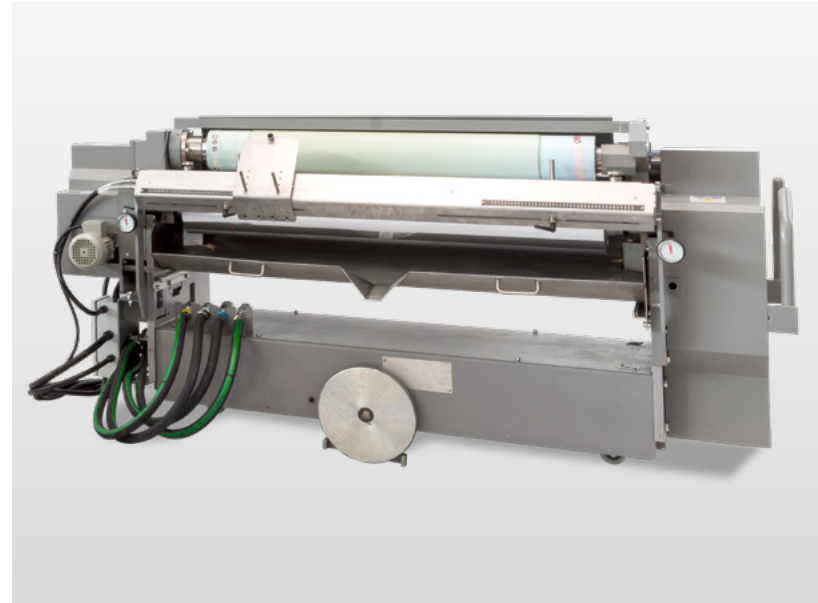
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### Flexo trolley

BOBST enjoys a worldwide reputation for the quality of its flexo coating system which is proven as the highest quality application for coating solvent-based adhesives. The system provides a far superior optical quality of the laminated structure due to smoothed adhesive distribution, a lower coating weight with comparable bond strength, as well as a wide coating range without changing the coating cylinder.



### Solventless trolley

The BOBST solventless trolley delivers a consistently repeatable process. The optimized process design significantly contributes to increasing the bonding and optical qualities of the laminated product. It also considerably decreases the amount of waste and machine downtime for much improved productivity.

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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. Furthermore, synergies with have been exploited to provide full interchangeability of the pressure system and doctor blade holder 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.



### Registeron® mark-to-mark reading technology

The exclusive Registeron® mark-to-mark reading of the longitudinal and lateral register on preprinted substrates avoids nonconformity of finished reels. The system detects and rectifies defects in real time during in-register applications, enabling unprecedented savings in time, substrates, 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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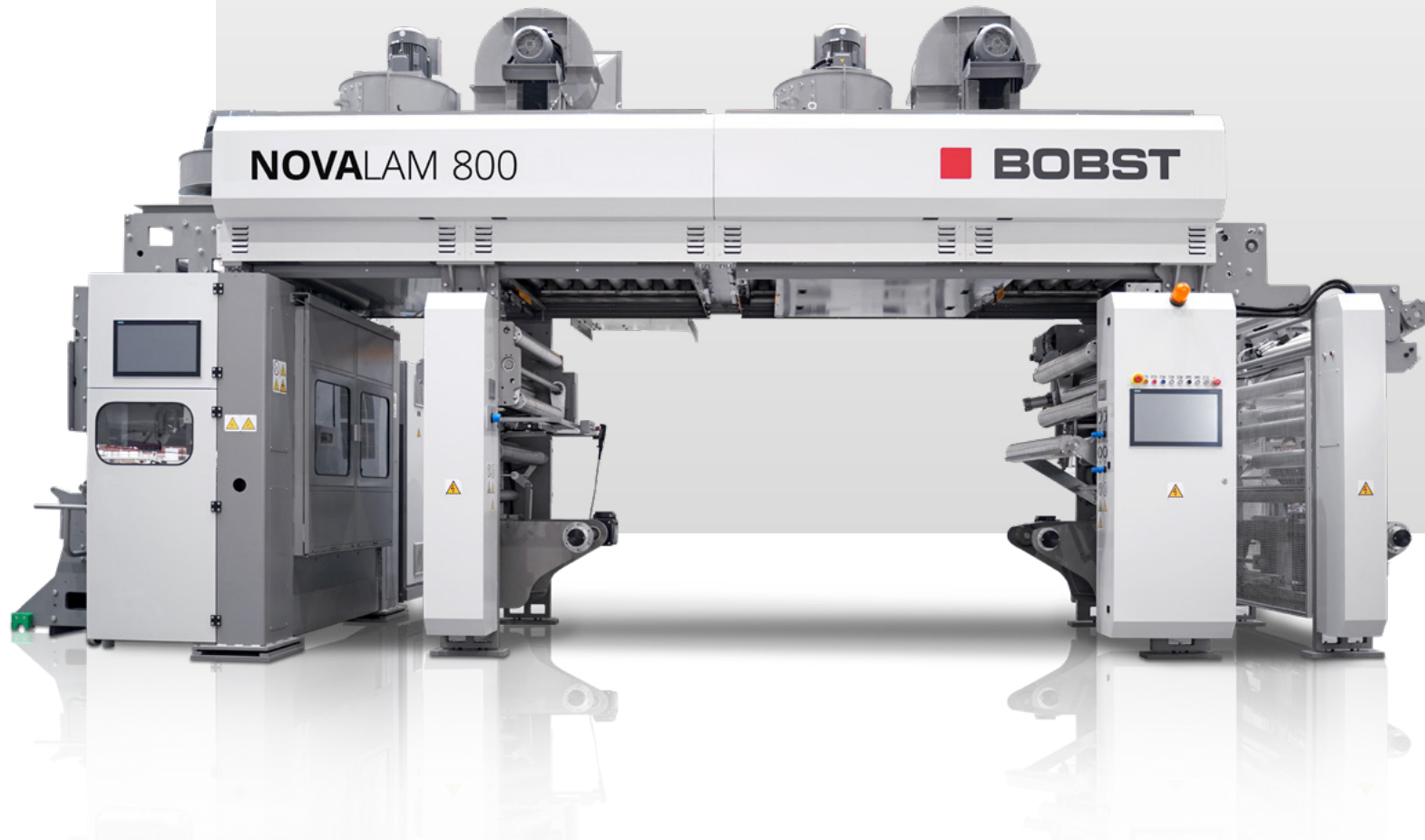
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