

# - Quality and performance



SOLVENTLESS LAMINATION

MASTERLAM S 1000

At a glance



# Leading sustainability

**MASTERLAM S 1000** is a platform of high-performance machines dedicated to solventless laminating technology. Each machine has been developed to be the most cost-effective and productive solution for the user's specific requirements. The **MASTERLAM S 1000** can be further customized in terms of web widths, layout configuration, winders' type and reel diameters to fulfill the needs of a broad range of diverse production requirements.

## MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect



High production capacity

High substrate versatility

**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.

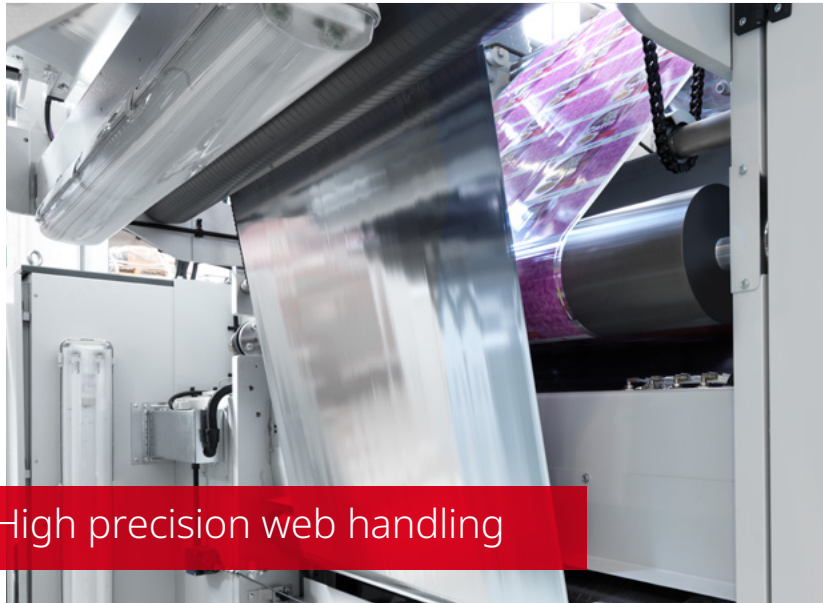


## MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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### High precision web handling

- Handles a variety of conventional substrates including metallized films, thin alu-foils, thin stretchable materials, and new generation sustainable substrates for a wide range of applications
- Very sensitive web handling and precise control of web tension from unwind to rewind, even at high speed, for less residual waste
- The tension control system is maintained at very low tolerance throughout the very wide range of flexible substrates of varying thickness and physical properties



### Exclusive solventless coating system

- Distinctive design of sleeve-type transfer roller which can be replaced on board for easy and fast job changeovers. The sleeve is interchangeable with other sleeve types
- Error-free adjustment of metering rollers. The design prevents defects such as bushing, bearing errors, cylinder concentricity and thermal expansion
- Extremely accurate temperature control. Uniformity of roller surface temperature within  $\pm 0.5^{\circ}\text{C}$  obtained through the special flow system inside the rollers
- Excellent coating profile consistency thanks to the very accurate solventless system and special design of the coating unit

## MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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### Operator-friendly and sustainable operation

- Quick to set up
- Easy and fast job changeovers without tools
- Interchangeability of coating unit metering rollers, thereby minimizing production downtime in case of surface wearing
- Integration of auxiliary equipment
- The optimum accessibility to all the machine sections considerably speeds up the operator's work for running the machine, cleaning and maintenance



### Automation & connectivity

- 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)



### MASTERLAM S 1000 enhanced flexibility

- Available in two different layouts and configuration of the laminating unit to best fit specific production requirements
- Customizable in terms of web widths, winders and reel diameter
- Larger web widths up to 1750 mm and above are available upon request for industrial applications

### MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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## MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

1	MASTERLAM S 1000	
	3.3 m	10.8 ft*
2		
	17 m	55.7 ft*
3		
	5.1 m	18.8 ft*

\*Values may vary according to the configuration. Measurements above apply to machine 1350 mm (53 in) in web width.

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### Materials handled

Substrates	Film, aluminium foil, laminates, paper, non-woven
Adhesives	Solventless

### Capability

#### MASTERLAM S 1000

Web width	1350 - 1550 - 1750 mm	53 - 61 - 68.8 in
Max mechanical speed	600 m/min	1968 ft/min
Winders type	Shafted, shaftless	
Shafted winder reel diameter	1000 mm	39.4 in
Shaftless winder reel diameter	1000 - 1300 mm	39.4 - 51.1 in

### Adhesive mixing

BOBST Mix mixer	Available
BOBST Mix EVO mixer	Available

### MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements  
MASTER S 1000
  - > Technical  
information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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### Adhesive mixers

The range of BOBST adhesive mixers delivers optimum performance according to production requirements. BOBST Mix offers more effective mixing control as heated pipes fill the coating unit automatically. The solution is even more reliable as the adhesive quantity inside drum is measured by load cell, providing higher quality laminating with less risk of mix ratio. Gear pump is connected by joint to the motor meaning extremely low maintenance. BOBST Mix EVO mixer for two different hardeners is also available.

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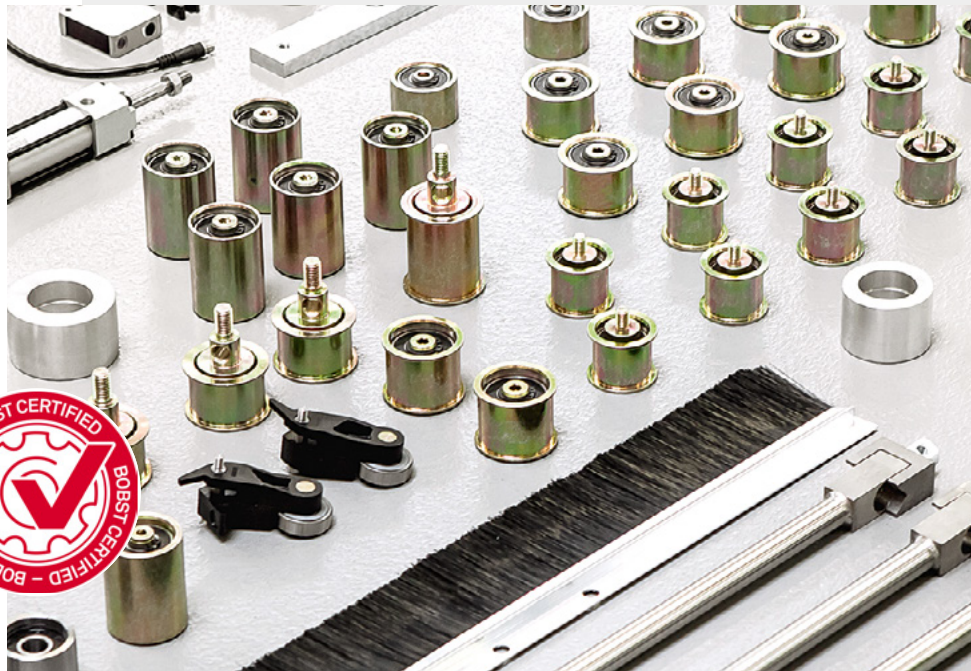
- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements  
MASTER S 1000
  - > Technical  
information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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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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- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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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

## MASTERLAM S 1000

- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
  - > BOBST Connect

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- > At a glance
- > Packaging market
- > Benefits and features
  - > 1 - 2
  - > 3 - 5
- > Specifications
  - > Measurements MASTER S 1000
  - > Technical information
- > Related products
  - > 1
- > Services
  - > General services
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