

**Most robust,
most precise**

Discover the new
MASTERFOLD



FOLDING-GLUING | CORRUGATED BOARD

MASTERFOLD 170 | 230 | 300

Powering performance

When only the very highest productivity will do! With its modular design, single box set-up and superb reliability, **MASTERFOLD** is built to last - and is perfectly placed to meet not only your current production needs, but also any future changes in your business and markets. Fast makereadies give you the responsiveness you need on short runs, while features such as anti-jam technology and video monitoring mean that on longer runs you make the most of its amazing speed.

MASTERFOLD 170 | 230 | 300

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Outstanding productivity,
exceptional accuracy

Extremely safe
and user-friendly

Driving **resource efficiency**



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Driving sustainable solutions

The new BOBST **MASTERFOLD** has been completely redesigned to deliver greater efficiency, simplified operation, and exceptional safety. By enhancing automatization, enabling remote machine setup and implementing a set of new ergonomic features, this powerful machine becomes easier and more secure to operate, while delivering top performance and quality. BOBST's latest innovations prioritize shorter setup times and lower resource consumption, while seamless connectivity with the BOBST Connect platform empowers a complete, end-to-end converting workflow.



Efficient, precise, consistent

Enhancing connectivity and automation through the Job and Recipe Management Workflow and Matic systems reduces setup time and delivers accurate main settings, boosting uptime and ensuring precise folding-gluing for consistent quality.



Operator-friendly

Safety features aligned with EU rules for 2027, Matic setups, video monitoring, multiple control panels, and an intuitive HMI simplify operation while ensuring maximum operator protection.



Promoting durable converting

New drive systems lower energy consumption, while BOBST Connect Energy Monitoring identifies additional opportunities for savings. Stable transport and high folding-gluing precision reduce waste.

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Leading performance

Safe and accessible

All machine parts are easily accessible for rapid and uncomplicated intervention. New security measures ensure operator safety is guaranteed:

- Security curtain at the feeder
- Security light curtains
- Sliding doors

Intuitive and streamlined

Key changes aim to reduce reaction times and walking distances, enhance production visibility and simplify setup procedures:

- Step-by-step setup with ergonomic HMI
- Command panels on the front and back of each module
- Video-monitored production
- Machine slow-down function for interventions during production

Efficient and accurate

By reducing the workload through proactive data setup and automation, uptime is increased and time pressure on the shop floor is reduced:

- Remote data setup with Job & Recipe Management Workflow
- Pneumatic locking of the feeder ramps
- Automatic positioning blank aligner
- Matic setup of transport equipment, calibrating shaft and speed variator
- Automatic positioning of transfer and delivery

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

[> READ MORE](#)

Good 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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Perfect alignment

ACCUFEED

- Integrated BOBST blank aligner ensures blanks are perfectly straight when entering the folding-gluing process
- Feeds all types of material
- Pneumatic locking feature for feeding ramps which reduces feeder set-up times by up to 20% and significantly improves machine ergonomics
- An optional automated blank aligner in combination with the Job and Recipe Management Workflow allows to further cut down setup time of the feeder



Flexible and time-saving

Crash-lock module

- Fastest set-up time in its class
- Quick and precise - delivering a great variety of folding options, including reinforced crash-lock bottom boxes
- Pre-breaks large boxes and provides a location for additional devices
- Telescopic upper conveyors easily adjustable to box formats



Versatility and speed

4- & 6-corner equipment

- Dedicated module for easier set-up and more folding space, allowing a wider range of variants to be run
- HMI SPHERE controlled with automated positioning and remote control
- Modulated trajectory hooks for smooth and precise folding
- Quick set-up tilting frame adjusts to flap size

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Perfect control

Folding

- Easy accessibility for fast set-ups and direct control of the folding process
- Right, left or simultaneous folding
- Rapidly installed minimum folding device for precise and accurate folding down to 140 mm
- Folding belt with motorized and matic speed variator for quick set-up, faster correction and reduction in waste



100% quality

ACCUEJECT XL

- Easily set quality control device, able to eject a single faulty box
- Combined with an inline quality control device, it automatically ejects non-standard boxes up to 35 mm thickness at full running speed
- Ensures high-quality production, while simultaneously reducing waste and costs



A constant flow

Transfer and delivery

- Matic positioning of transfer and delivery save up to 15 minutes setup time
- Automatic belt tensioning and adjustable box stream height
- Infeed conveyor for better control and higher running speeds
- Rear stack corrector ensures better consistency and less waste
- Independent drive for fast job changeover
- Automatic apron centering

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Complete protection

Security features

- Light curtains and sliding doors ensure every part of the machine is secured during production, while allowing full accessibility for operators
- A movable safety curtain protects the feeder section and automatically adapts to the blank size
- Possibility to unblock the doors from inside the machine
- Safety features compliant with EU rules for 2027



Maximum flexibility

Completely modular

- Equipped with independent drives, every module remains independent, which allows to resume production downstream in case of an unexpected machine stop
- Choice of modules according to production requirements
- The modular design allows for future machine upgrades and support growing business needs



Fast and accurate

Ensuring quality and efficiency

- Operating speed up to 250 m/min
- Crease-relief device for more natural, smooth and precise folding and easy box opening
- The 6,790 mm long folding section ensures progressive and precise folding
- Delivery box stream regulator for precise intervals, higher quality and faster running

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Easier handling

Matic setup functions

- The transport equipment and calibrating shaft are set up automatically according to the job data
- The optional automatic blank aligner and speed variators reduce the operators workload and ensure high setting precision
- The storage of up to 5,000 job recipes in the HMI
- The Job and Recipe Management function allows job recipes to be sent to the machine for simple download



New design

Accessible and practical

- All machine parts are easily accessible
- Light curtains and sliding doors make sure that operators are safe
- Video monitoring at the feeder section allows complete production overview
- Two rechargeable remote controls guarantee constant availability
- Command panels on the front and back of every module reduce operator movement and shorten reaction times
- The slow-down function lowers the machine speed to 5 m/min so changes can be made without a full stop



Saving energy

Increased cost-efficiency

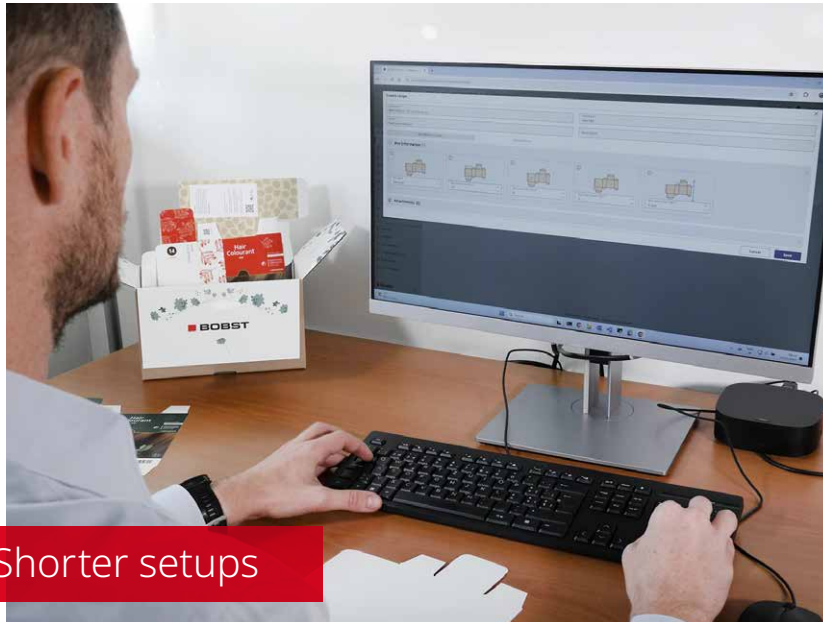
- Direct driving with smaller and more efficient synchronous servo motors,
- The new drives reduce electricity consumption by up to XX % and ensure the complete modularity of each machine part
- Energy Monitoring allows to control the air and electricity consumption of the machine and identify eventual energy saving measures.

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Shorter setups

Job and Recipe Management Workflow

Connects the HMI SPHERE via the BOBST Connect platform directly to the back office, where job recipes can be managed away from the production floor. Then, the job recipes are sent to the production lines and equipments, ready to be downloaded.

This system allows to increase uptime and proactively prepare shifts. Taking into account changes occurring during production, it ensures production consistency and continuous improvements across different shifts and operators. It also gives a real-time follow-up of the packaging production progress.



Better control

Monitoring and management

Analyse and improve your production workflow and planning with BOBST Connect. With Performance Management and Equipment Monitoring, reports provide data which give insights into productivity and output quality as well as a comprehensive production overview of all connected machines.

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1	MASTERFOLD 170 230 300	2.80 m	9.18 ft
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2	MASTERFOLD 170 230 300	21.60 m	70.86 ft*
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3	MASTERFOLD 170 230	4.55 m	14.93 ft*
	MASTERFOLD 300	5.75 m	18.86 ft*

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*Values may vary according to the configuration.

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Standard configurations



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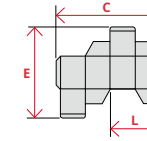
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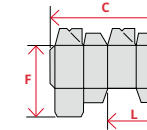
Box sizes

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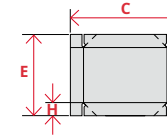
Straight line boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	290	11.41	1,700 2,300 3,000	66.92 90.55 118.11
E	160*	6.29	1,600	62.99
L	140	5.51	830 1,130 1,450	32.67 44.48 57.08



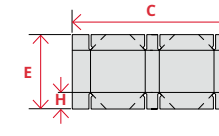
Crash-lock bottom boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	290	11.41	1,700 2,300 3,000	66.92 90.55 118.11
F	160*	6.29	1,600	62.99
L	140	5.51	830 1,130 1,450	32.67 44.48 57.08



4-corner boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	290	11.41	1,700 2,300 3,000	66.92 90.55 118.11
E	160*	6.29	1,600	62.99
H	40	1.57	270	10.62



6-corner boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	400	19.68	1,700 2,300 3,000	66.92 90.55 118.11
E	160*	6.29	1,435	39.37
H	50	1.96	270	10.62



*190 with transversal calibrating shaft HA-020

Convertible stock

Corrugated board	A, B, C, E, F, N; BC, BE, BF, EF
Thickness of folded box, max.	35 mm 1.4 in
Carton or solid board, up to	800 - 2,000 g/m ² .049 - .060

Drive system

Inching speed	20 m/min 65.6 ft/min
Operating speed adjustable	15 - 250 m/min 49.2 - 820 ft/min

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> **ROBOLOADER FG**

With ROBOLOADER, the transfer of blank piles to the feeder area is completely automated. The robot ensures regular and consistent feeding at top machine speeds, enabling optimal production line productivity.



> **SPEEDPACK**

SPEEDPACK is a fully automatic packer which bundles all types of boxes - corrugated and and litho-laminated boxes alike. It offers a wide range of bundling and strapping options and increases productivity of your multipoint folding-gluing line by 25%, while maintaining the exceptional quality of your boxes.



> **ROBOPALLETIZER FG**

ROBOPALLETIZER allows to stack blank piles or box batches in various patterns, completely automating the palletizing process at the end of the converting line.

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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

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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.



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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