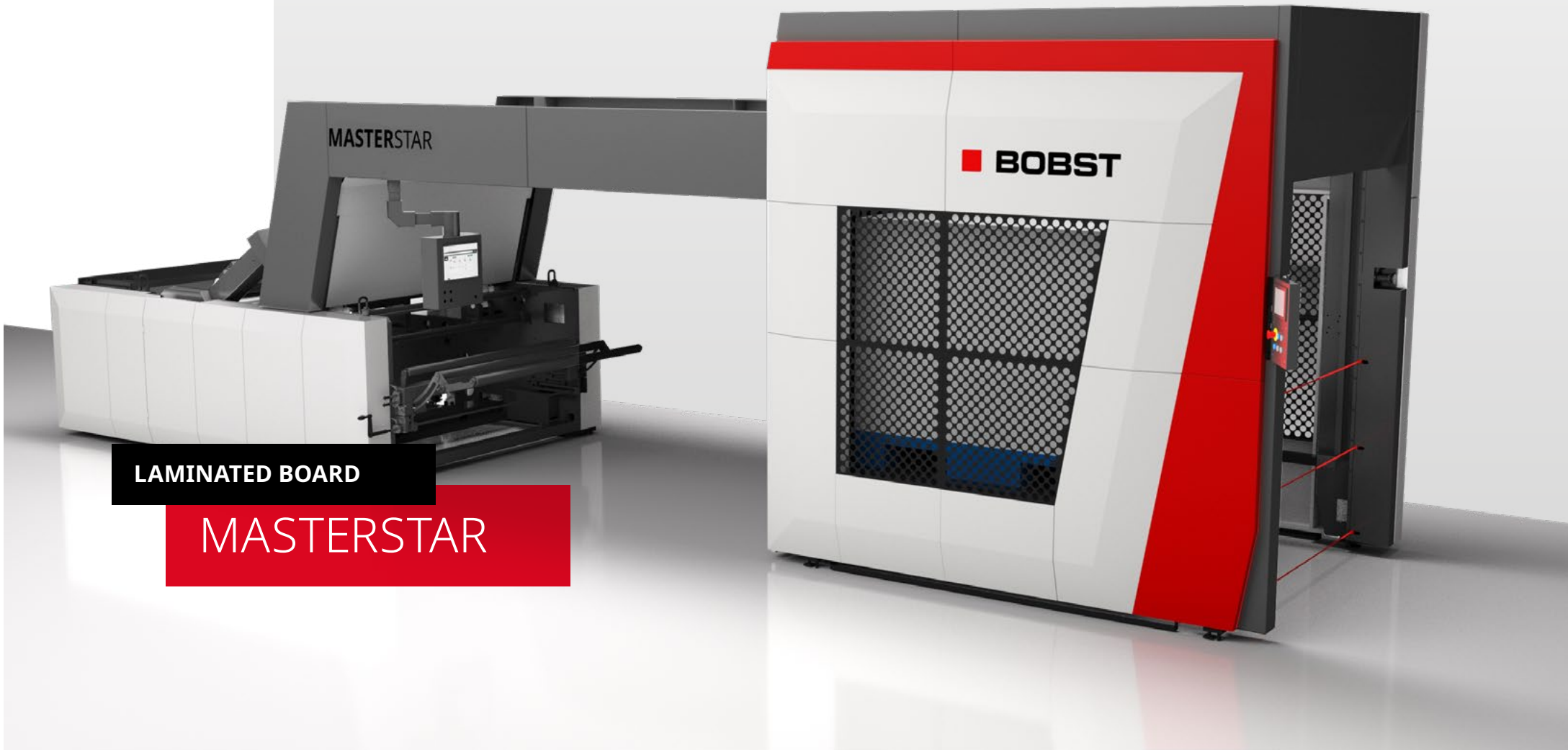
Unique operation, **unbelievable output**



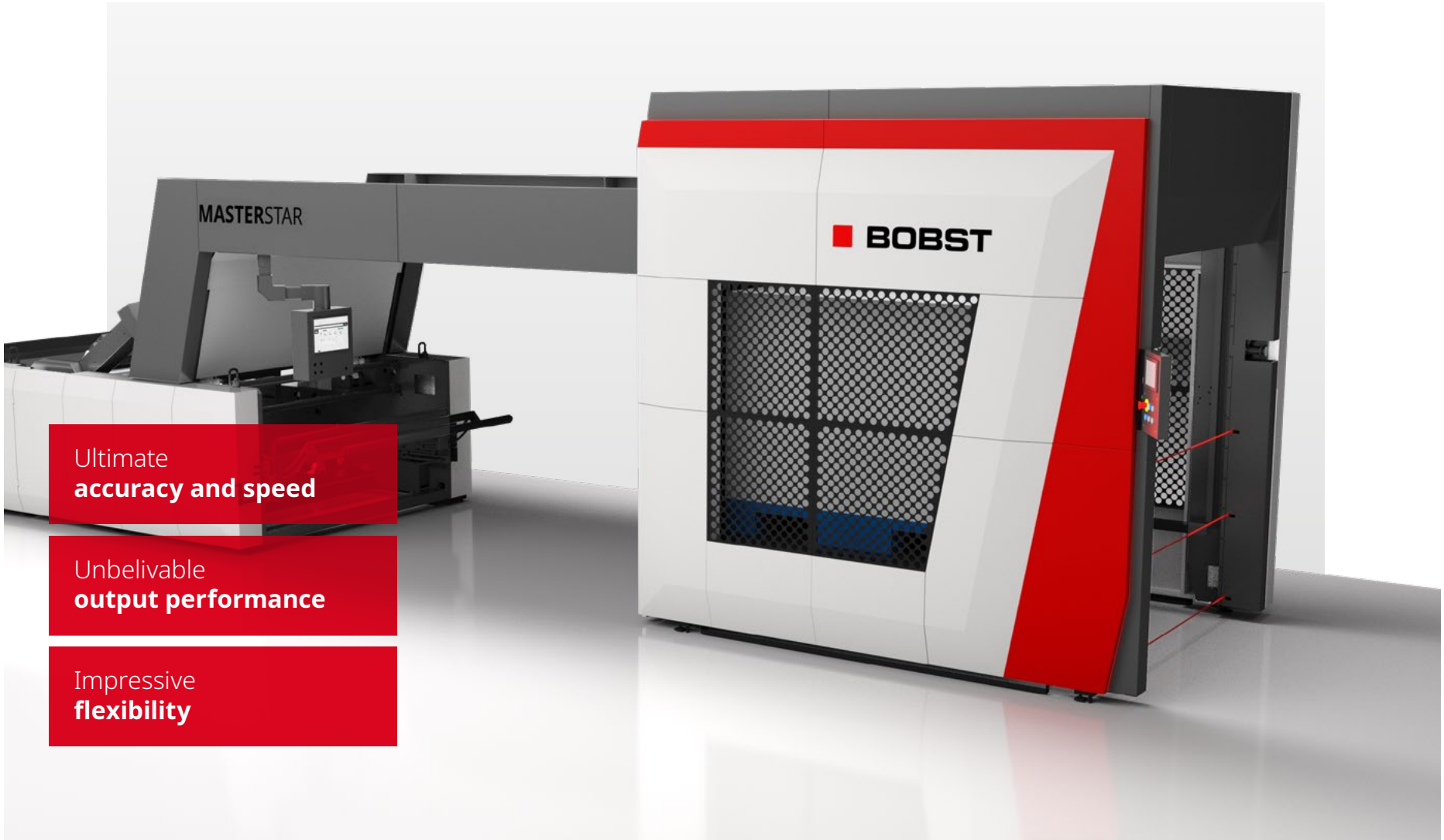
LAMINATED BOARD

MASTERSTAR

BOBST

Powering **performance**

When only the highest productivity will do: the world's fastest, most automated, most versatile and ergonomic sheet to sheet laminator. The **MASTERSTAR** can be set up in minutes and delivers efficient and reliable outstanding laminated board quality.



Ultimate
accuracy and speed

Unbelivable
output performance

Impressive
flexibility

MASTERSTAR

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BOBST

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.



MASTERSTAR

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BOBST innovations
are driven by customer and brand owner needs.

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Functional packaging and protection
Protecting the goods in a clever way is required. Single serve, multi-packs, re-sealable, see-through.

Customization, versioning, personalization
Packaging needs to reach all segments of the society taking almost any shape and size from very short runs to reprint and long runs. All with the best color consistency.

e-commerce & omni-channels
Multiple retail formats set new requirements for packaging. On-demand production, timely delivery across multiple designs, shapes and sizes.

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.

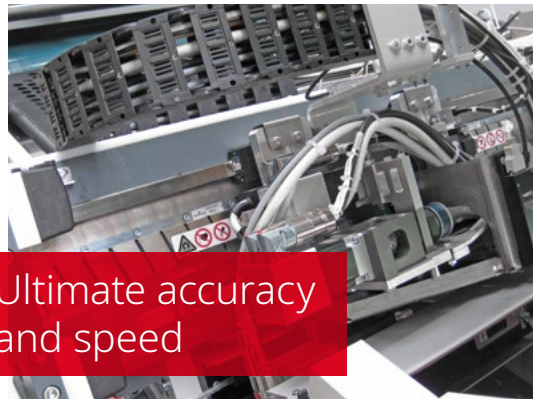


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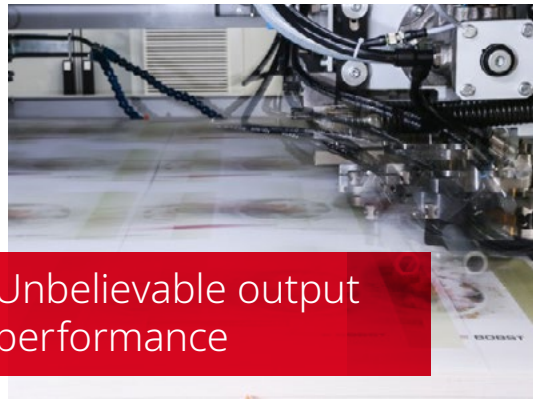
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Ultimate accuracy and speed

POWER ALIGNER S
- Progressive alignment system
- Front registration sensors
- Acceleration to lamination speed and meeting point
- “Dynamic” sheet alignment



Unbelievable output performance

Highest performance
- 10,000 sheets per hour or 150 m/min
- Fully automatic substrate pre-feeder system (option)
- Fully automatic delivery system (option)



Impressive flexibility

MATIC set-up
- Pre-programmable job parameters
- “One touch set-up”
- Job data & parameter storage
- Touchscreen operation
- Saving up to 10 min. / job change

MASTERSTAR

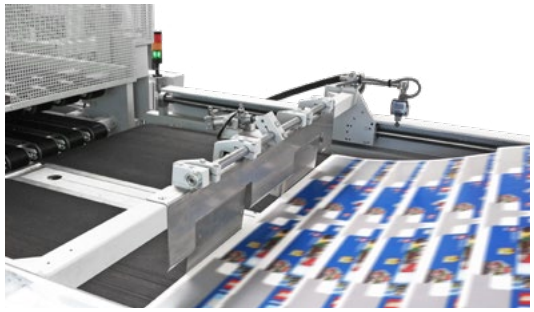
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> SINGLE FACE PRE-FEEDER
- MATIC substrate sheet feeding without operator intervention
- Minimum cycle time matching laminator speed



Bundle inverter (flip-flop)
- Package height max. 100mm / 4",
- Bypass, Flip-Flop or Inverter mode,
- Re-shingling unit in front of down stacker
- Safety devices and fencing



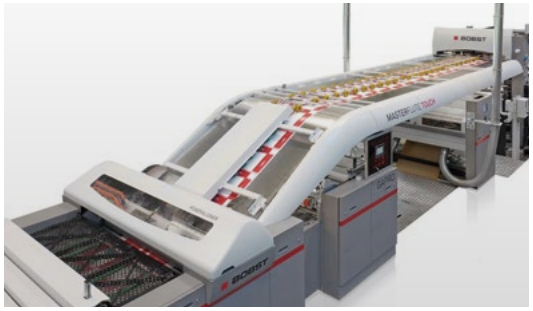
Stacking discharge system
- Different kind of various discharge systems for stack handling with or without pallet
- Customer tailored solutions



NOVASTAR
- Simply great quality
- Easy operation
- Reliable production



EXPERTSTAR
- Versatile performer
- Ultimate display runner
- Incredible accuracy



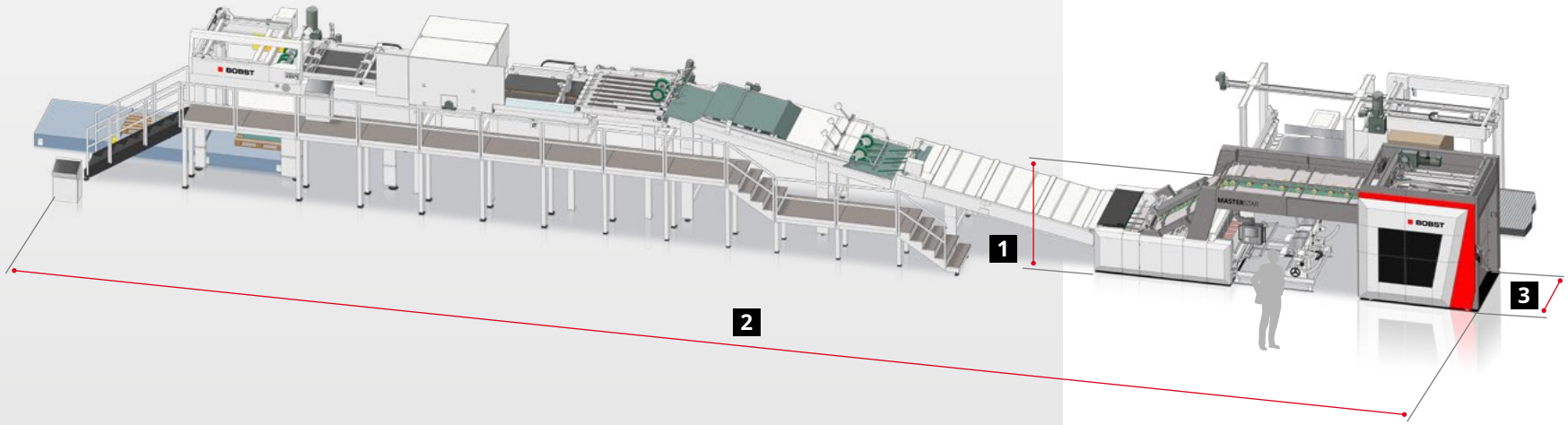
In-line laminator lines
Integrated production of sheet to roll or roll to roll for single or double wall production.

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Specifications – Measurements



1

	3.10 m	10.50 ft	*

2

With manual bundle take off	17 m	55.77 ft	*
With bundle delivery manual take off	21 m	68.90 ft	
With stacker	24 m	78.74 ft	
With bundle inverter and stacker	27 m	88.58 ft	

3

	2.60 m	8.53 ft	*

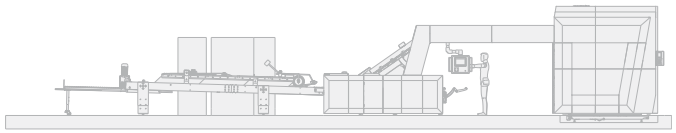
* Values may vary according to the configuration.

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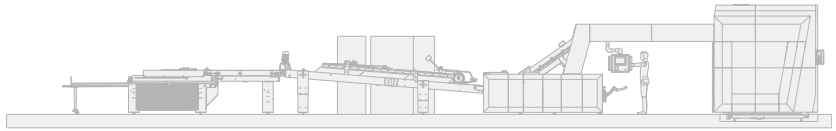
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- Delivery table to manually unload and handle the laminated sheet



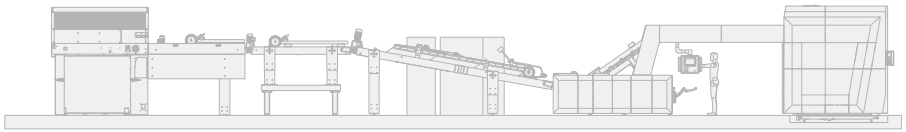
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- Manual bundle take-off
- Bundle delivery
- Bundle removal table height max. 100 mm / 4”



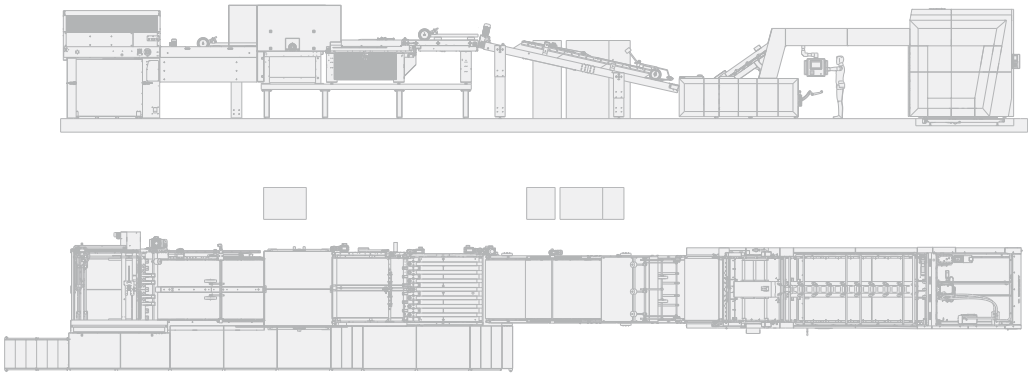
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- Matic Non-stop down stacker
- Stack carrier plate
- Safety devices and fencing



MASTERSTAR

- Bundle inverter (Flipflop)
- Matic Non-stop down stacker
- Stacker carrier plate
- Safety devices and fencing



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Specifications – Technical information

Convertible stock		MASTERSTAR
Printed sheet base weight	180 / 500 gsm	37 / 102 lb/msf
Substrate single wall flutes		B / C / D / E / F / N
Substrate double wall flutes		up to C / C
Substrate caliber max.	10 mm	0.40 in
Substrate solid board base weight min.	380 gsm	78 lb/msf
Substrate solid board caliber min.	0.7 mm	0.028 in

Format sizes		
Sheet size, max. L x W	1,650 x 1,650 mm	65 x 65 in
Sheet size, min.	500 x 500 mm	20 x 20 in

Speed		
Production speed (s/h)		10,000
Production speed	150 m/min	500 fpm

Sheet registration		
System		POWER ALIGNER S
Register accuracy < 3,500 s/h	+/- 0.25 mm	+/- 0.01 in
Register accuracy > 3,500 s/h	+/- 1.0 mm	+/- 0.04 in

Glue unit	
System:	GAPRO NANO

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BOBST

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

> 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

> LEARN MORE

Machine upgrades

- Additional features, configured for your machine
- Enhanced functionality, connectivity and capability
- Future-proofing your investment, maintaining competitive advantage

> LEARN MORE

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Switch on digital transformation

BOBST Connected Services ensures your business is ready for the changing world of digital manufacturing. Our technical support brings full connectivity to your equipment and processes – providing you with a wealth of real-time data, analytical tools and expertise – helping you work smarter and more productively.



Helpline Plus
- Remote access intervention, with BOBST technicians
- Expert support, eight hours a day, five days a week
- Maintain production, reduce callouts by 80%

Helpline Premium*
- All the features of Helpline Plus, available 24 hours a day, seven days a week

Helpline Plus AR
- Enhanced remote assistance with Augmented Reality
- Visual instructions right in front of you
- Available for internal use

> WATCH VIDEO

Helpline Premium* AR
- All the features of Helpline Plus AR, available 24 hours a day, seven days a week

*24/7 support in selected areas.

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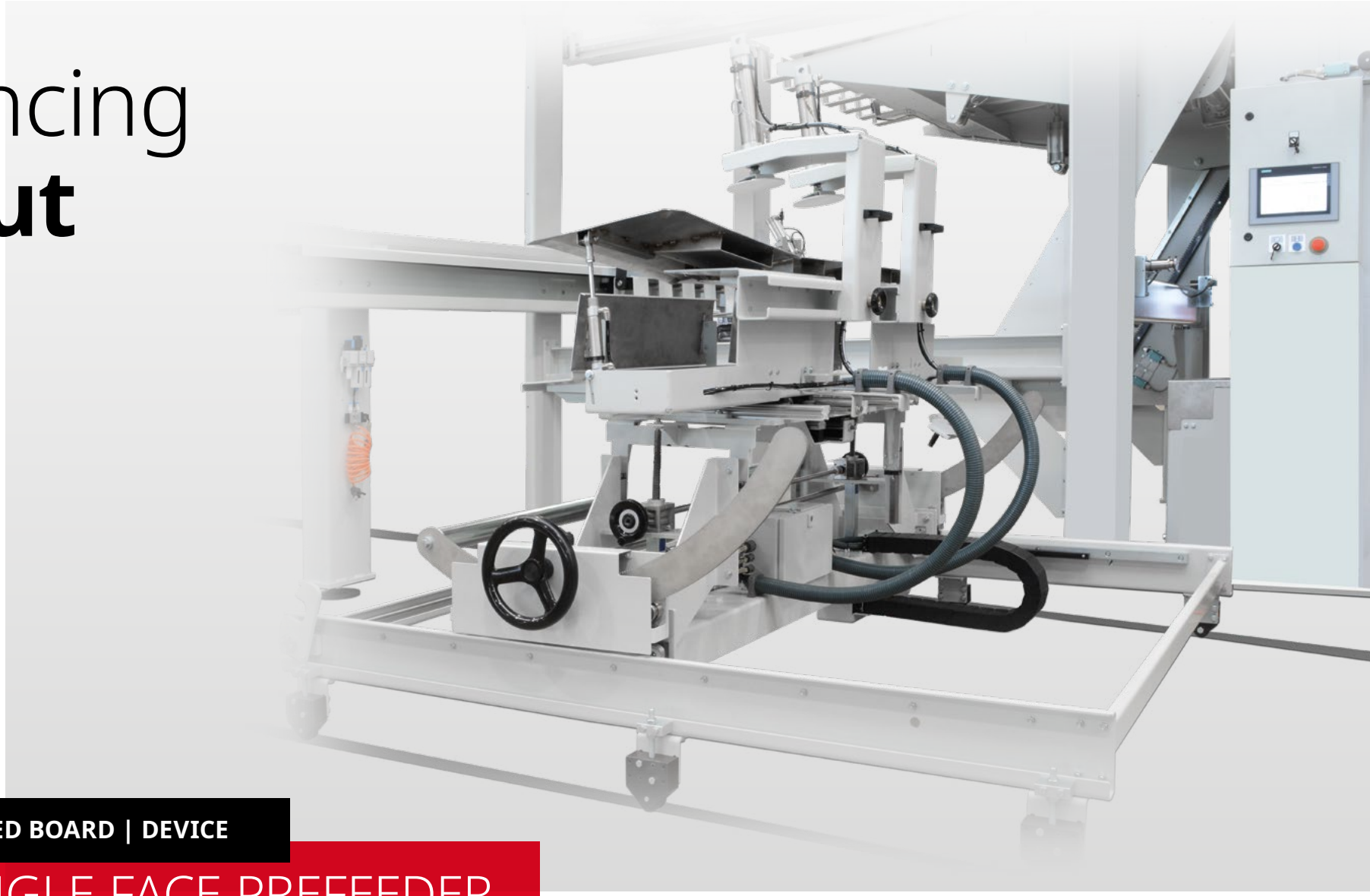
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Enhancing **output**



CORRUGATED BOARD | DEVICE

SINGLE FACE PREFEEDER

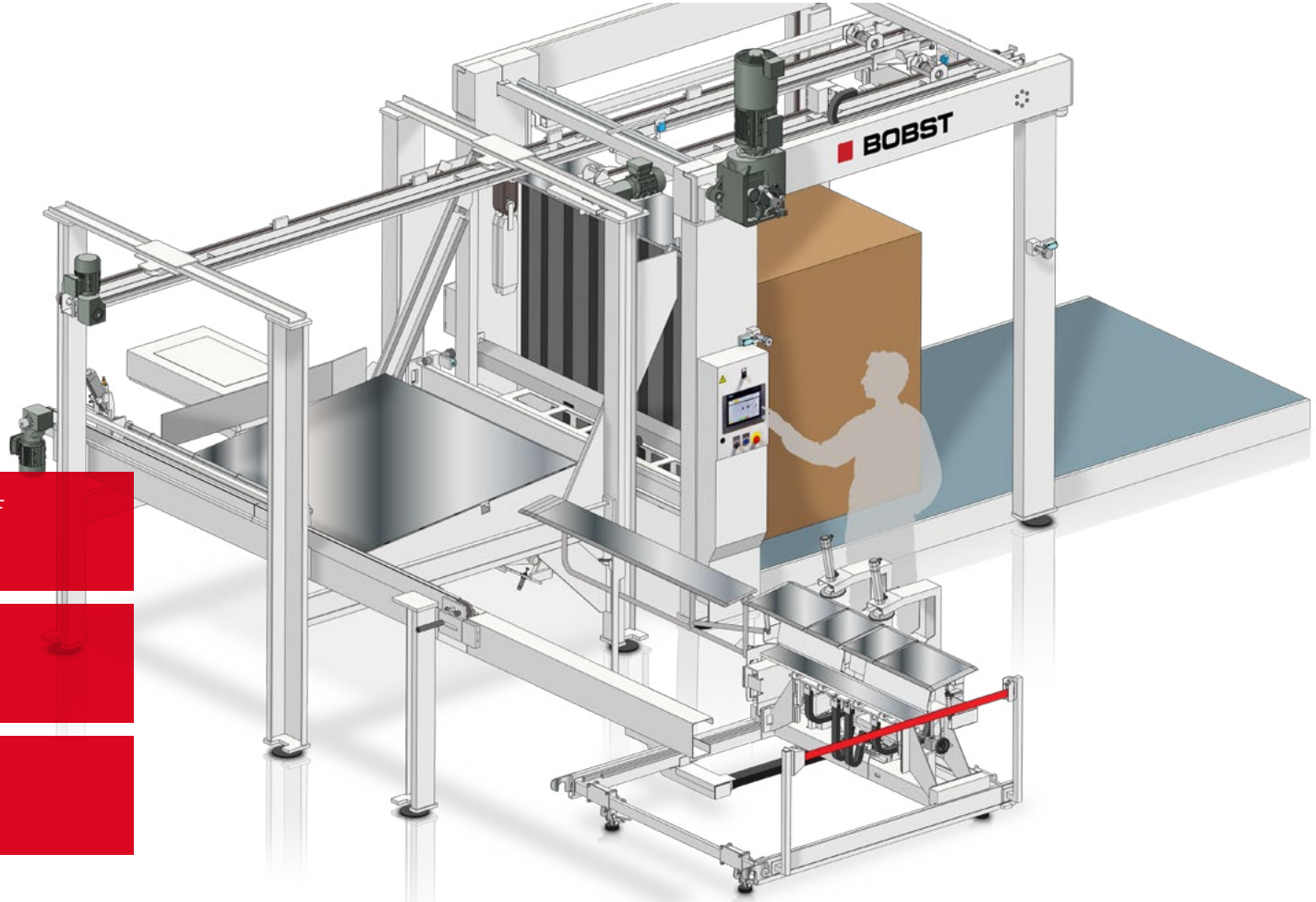
www.bobst.com

BOBST

BOBST

Unmatched **performance**

When only the highest productivity will do: the **SINGLE FACE PREFEEDER** can be set up in minutes and delivers efficient and reliable non-stop production of outstanding quality products. This eliminates the need for manual labor to load the substrate sheets in to the laminator. Full stack of substrate sheets can be loaded.



Highest level of **automation**

Flexible operation

Reliable production

PREFEEDER

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Full stack loading

Stack feeder
- Loading of substrate stacks with or without pallets
- Optionally conveyorized solutions
- Optionally empty pallet discharge
- Free operator access secured by light guard



Reliable batch mode

Unique batch separator
- Simple and reliable design
- Automatic calculation of ideal batch height
- Flute independent



Batch transport

Batch elevator
- Guided batch transport
- Optimal batch quality
- Reliable transport

PREFEEDER

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No-crush transport

Lateral transport
- Unique finger system for batch hand-over
- No-crush design of clamping bar
- Secured batch quality
- Buffer / waiting position



Substrate batch feeding

Feeding robot system
- No-crush clamping / retracting
- MATIC stiffening device
- Retractable robot unit in case of manual feeding
- Level control of substrate feeder hopper



Intuitive control

Operator panel
- Full management by color Touchscreen
- Pre-setting of parameters
- Fully integrated interface with EXPERTSTAR or MASTERSTAR

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Related products – Technical information

Convertible stock		PREFEEDER
Bottom sheet format max (w x l)	1,650 x 1,850 mm	65 x 72.8 in
Bottom sheet format min (w x l)	500 x 700 mm	19.7 x 27.5 in
Maximum height of stack feeder*	2,050 mm	81 in
Caliper covered corrugated	C,B,E,F AND BE, BC, EE, EF	
Caliper opened corrugated	C,B,E AND BE, BC, EE, EF	

*including pallet

Capability		
Cycle time	20 sec	20 sec
Maximum package height	150 mm	6 in
Maximum package weight	150 kg	330 lb
Number of waiting places	2	2
E-flute	9,000 s/h	9,000 s/h
B-flute	8,500 s/h	8,500 s/h
BE-flute	5,500 s/h	5,500 s/h

Space requirements		
(w x l x h)	6.8 x 6.0 x 3.6 m	268 x 236 x 142 in

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Unique operation, **unbelievable output**

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