

Unique operation,  
**unbelievable output**



LAMINATED BOARD

MASTERSTAR

At a glance

# Powering performance

**BOBST**

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.

## MASTERSTAR

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Ultimate  
accuracy and speed

Unbelievable  
output performance

Impressive  
flexibility

REQUEST  
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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

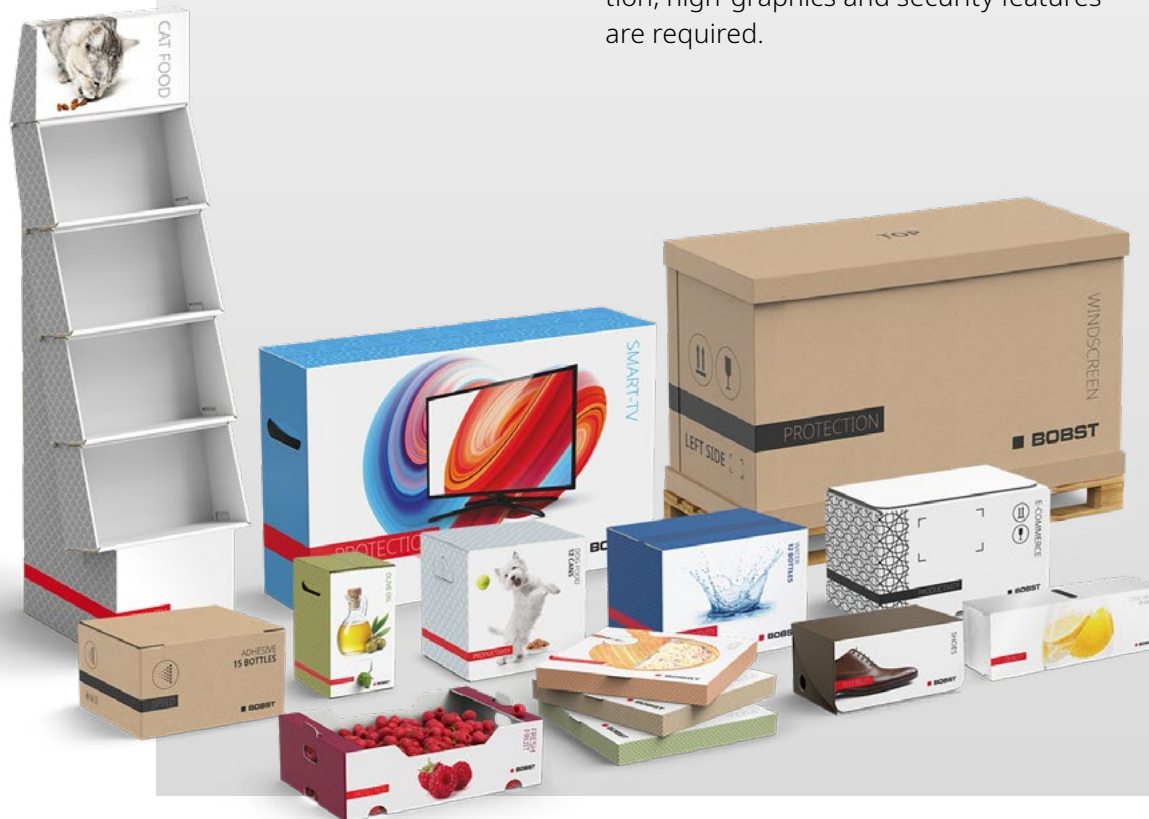
Consumers expect the most relevant un-boxing of any goods. Packages are becoming more clever, telling a story as part of the brand positioning.

## 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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# Creating value

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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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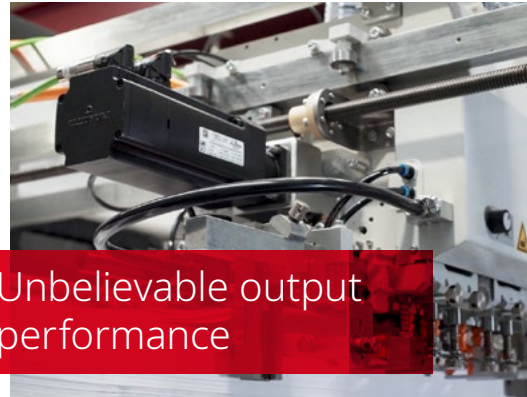
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Ultimate accuracy  
and speed

### 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

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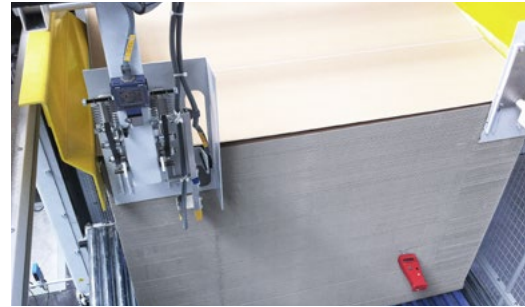
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## Related products



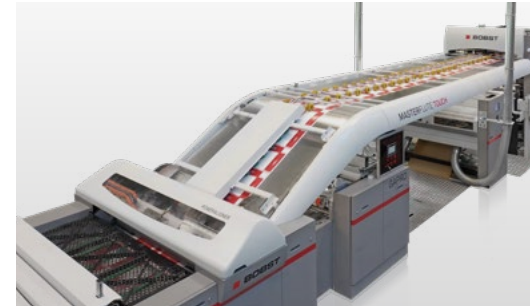
### > SINGLE FACE PRE-FEEDER

- MATIC substrate sheet feeding without operator intervention
- Minimum cycle time matching laminator speed



### Stacking discharge system

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



### In-line laminator lines

Integrated production of sheet to roll or roll to roll for single or double wall production.



### NOVASTAR

- Simply great quality
- Easy operation
- Reliable production



### EXPERTSTAR

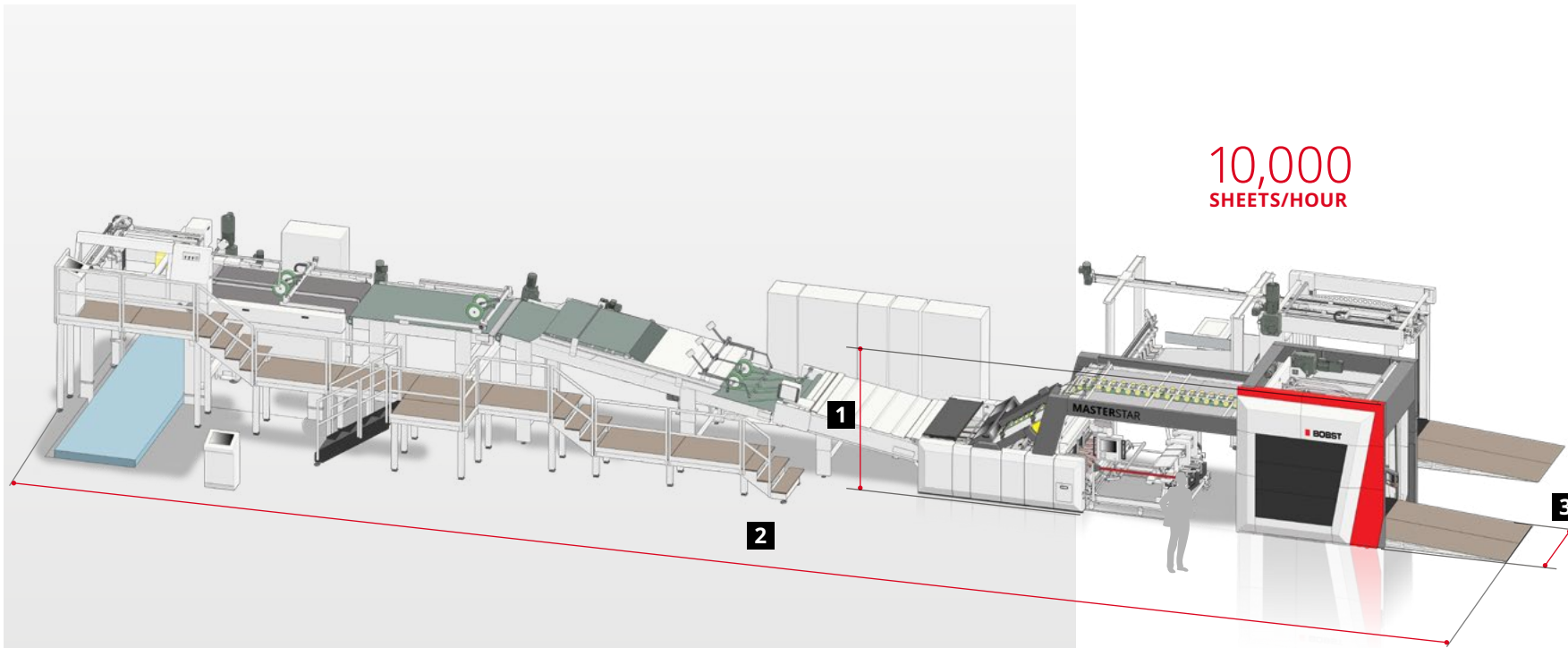
- Versatile performer
- Ultimate display runner
- Incredible accuracy

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**10,000**  
SHEETS/HOUR

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**1**

	3.10 m	10.50 ft	*
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**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 ejection and stacker	27 m	88.58 ft	

**3**

	2.60 m	8.53 ft	*
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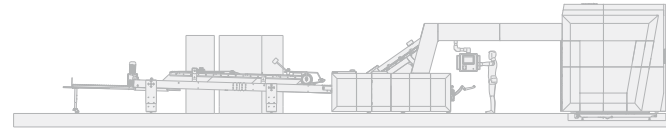
\* Values may vary according to the configuration.

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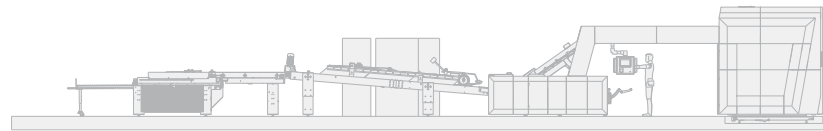
## MASTERSTAR

- Delivery table to manually unload and handle the laminated sheet



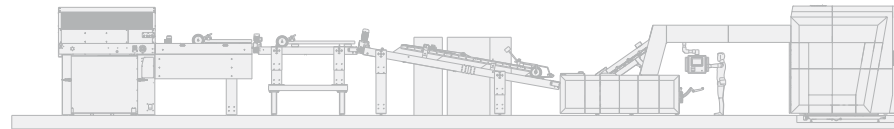
## MASTERSTAR

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



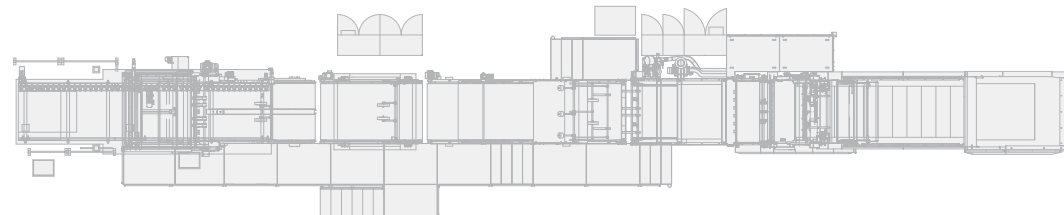
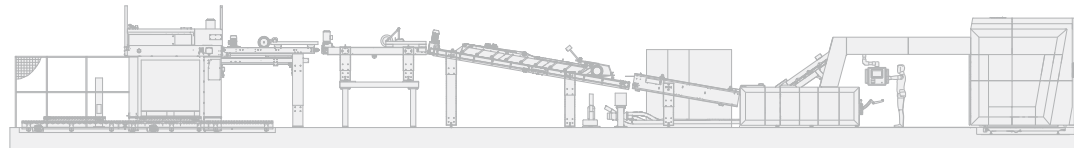
## MASTERSTAR

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



## MASTERSTAR

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



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<b>Convertible stock</b>		<b>MASTERSTAR</b>	
Printed sheet base weight	140 / 500 gsm	29 / 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	

<b>Format sizes</b>		
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

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

<b>Sheet registration</b>		
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

<b>Glue unit</b>	
System:	GAPRO NANO

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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

> 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

> LEARN MORE

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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

## MASTERSTAR

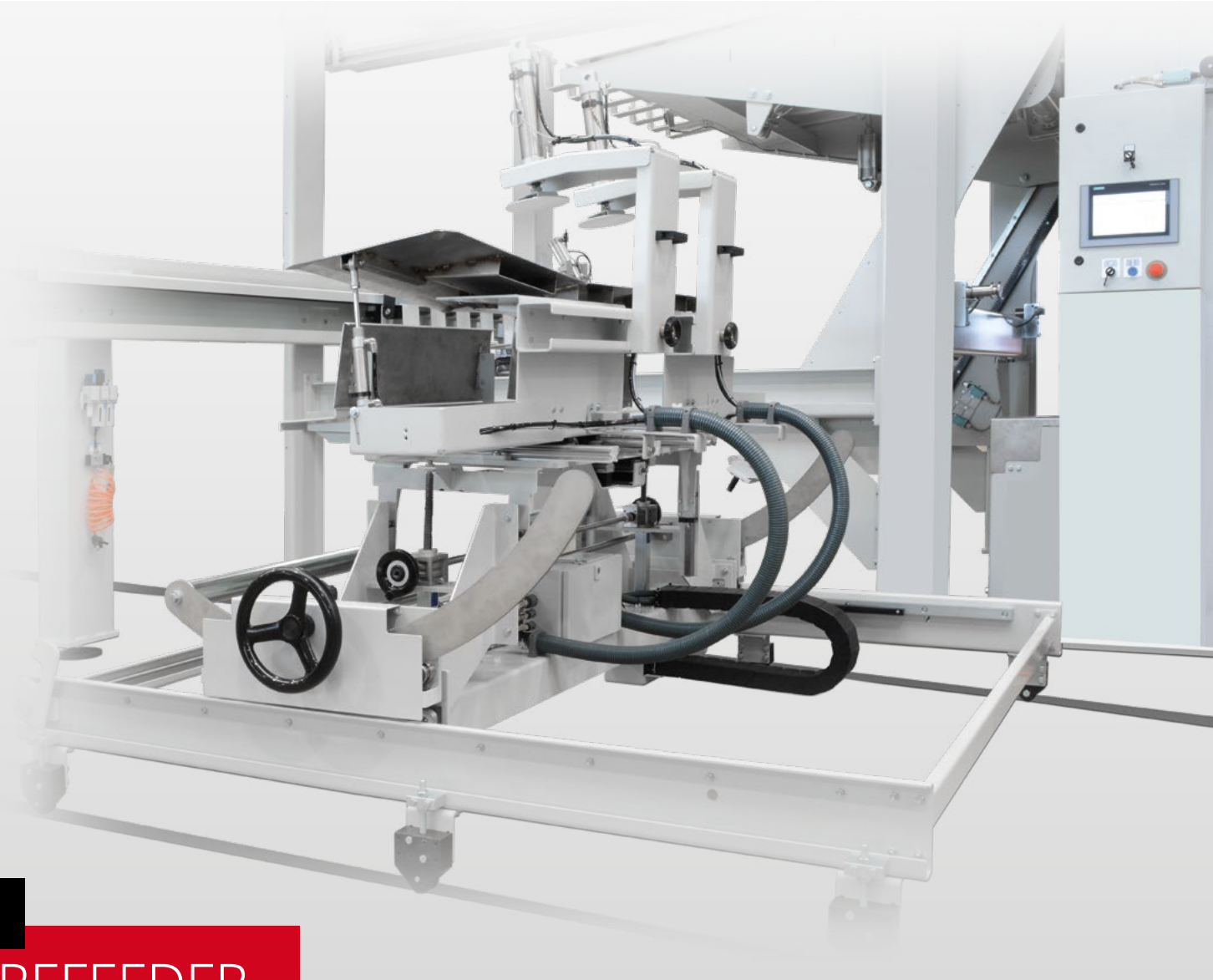
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# Enhancing output



CORRUGATED BOARD | DEVICE

SINGLE FACE PREFEEDER

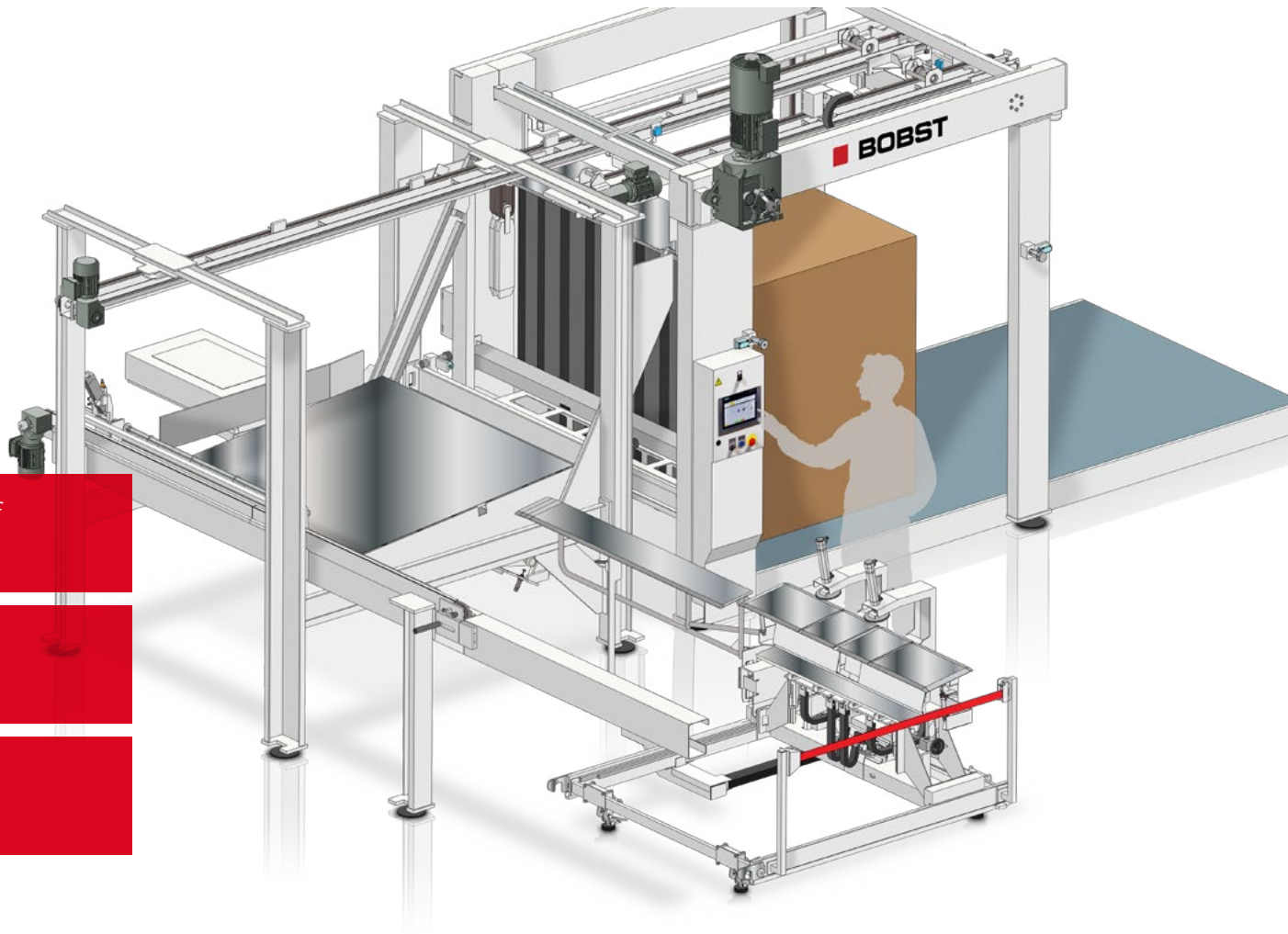
At a glance

# 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.

## PREFEEDER

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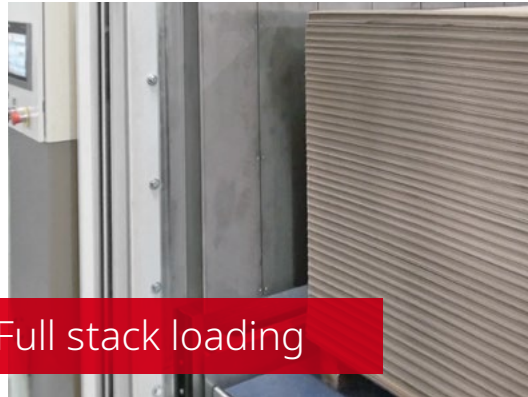
Highest level of automation

Flexible operation

Reliable production

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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

### PREFEEDER

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## Related products – Technical information

<b>Convertible stock</b>	<b>PREFEEDER</b>	
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	28 sec	28 sec
Maximum package height	150 mm	6 in
Maximum package weight	35 kg	77 lb
Number of waiting places	2	2
E-flute	9,000 s/h	9,000 s/h
B-flute	5,400 s/h	5,400 s/h
BE-flute	3,500 s/h	3,500 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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#### PREFEEDER

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