

# Market-defining **excellence**



LAMINATED BOARD

MASTERFLUTE TOUCH

At a glance

# Boosting productivity

With 220 m/min or 12,000 sheets per hour, an intuitive graphical Human-Machine Interface (HMI), a **GAPRO** glue unit as standard and the **POWERALIGNER** sheet registration system, the **MASTERFLUTE TOUCH** is by far the most advanced and productive litho-laminator in the world.



Unmatched  
Output

Sensational  
Operation

Extraordinary  
low waste

**BOBST**

## MASTERFLUTE TOUCH

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BUSF-MFL220-EN-1120

# Creating value

**BOBST innovations**  
are driven by customer  
and brand owner needs.

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## 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

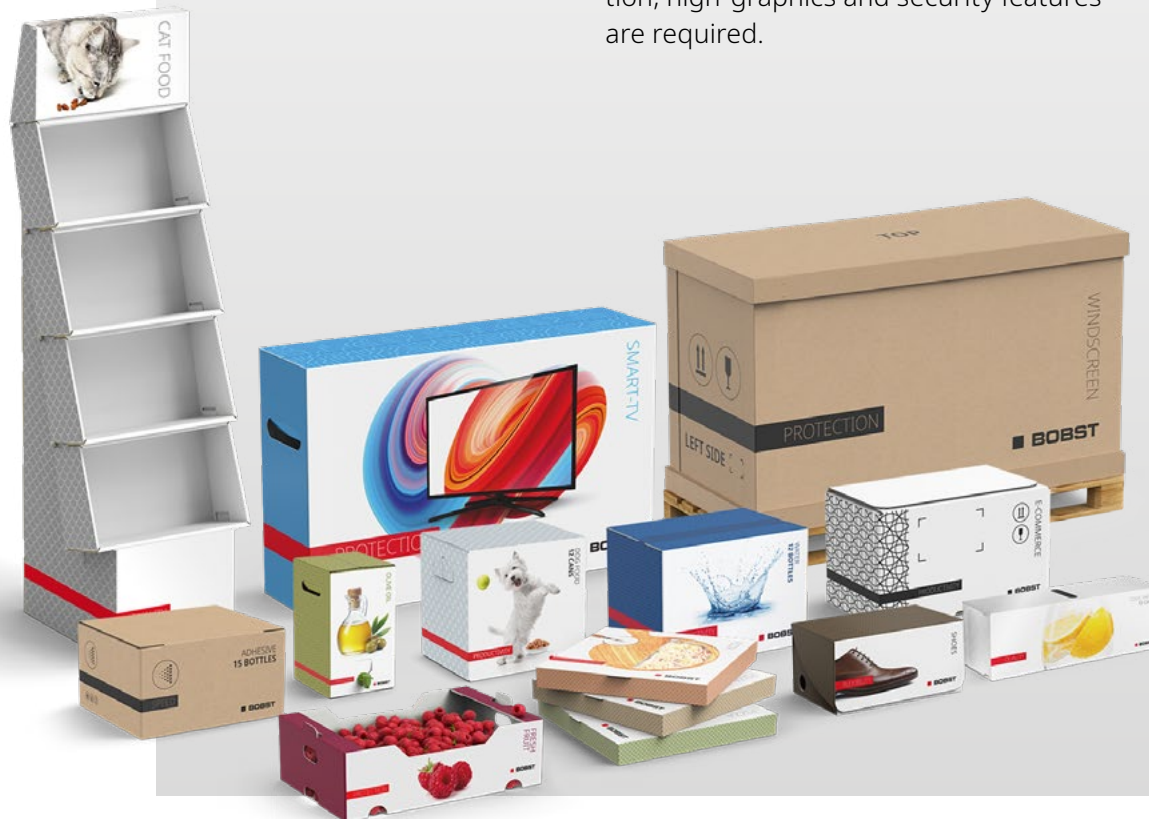
Consumers expect the most relevant un-boxing of any goods. Packages are becoming more clever, telling a story as part of the brand positioning.

## 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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## 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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Delivery system

### VARIOSTACKER

- MATIC non-stop function
- Excellent stack quality
- Sheet count option
- MATIC set-up option
- Custom tailored solutions



Accurate registration

### POWERALIGNER & High-speed cut-off

- Progressive alignment system for each sheet
- Front and side registration sensors
- Double-sheet & out-of-window ejection
- Direct driven helical knife
- Vacuum transport & control during cutting and laminating process



Centralized operation

### Control desk

- Touch screen operating panel with following optional equipment:
- Live Cams for remote operation
- Process Cams with 24hr footage storage
- Enabling quality-control systems to be included
- Production administration software package with statistical data capturing

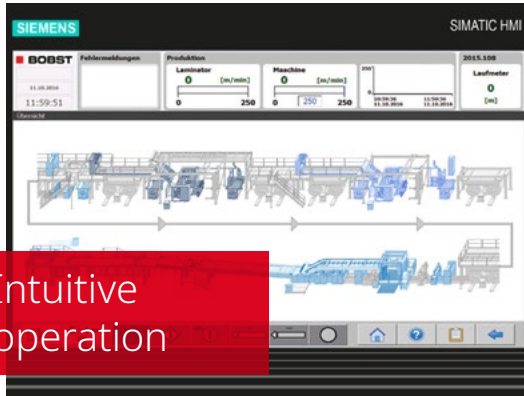
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## Benefits and features 4 – 6



Intuitive operation

### Touch Screen operating panel

- Intuitive graphical HMI
- 3 main sections: wet-end, laminator and delivery
- Dashboard screen with machine and production status
- Quick process and machine parameter access
- Central data storage for quick machine setup for repeat orders



Superior cut quality

### Side trimmer

- Matic format setting
- Independently driven, large diameter slitting blades
- Double blade to cope with wide trim (optional)
- Trim chute included



Matic pile positioning

### SMART FEEDER

- Intuitive touch screen panel
- Short changeover time
- Manual non-stop system
- Correction of stack position by POWERALIGNER and trend calculation software

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High speed  
corrugating

### MODULE FACER MF324

- Integrated cassette storage
- Quick flute change with crane system
- Integral pre-heaters, medium & liner
- Starch glue applicator with Soft-Touch system
- Touch screen operation with intuitive graphics



Excellent  
flute formation

### AIR DRIVE SYSTEM©

- Best holding system with vacuum
- Improved board quality, reduced risk of fluff-out
- Herringbone or radial slots available
- Low maintenance
- Unique traction roller system for extended nip technology



Matic  
splicing

### Splicer and reel stand

- Zero-tail web connection
- Non-stop reel change at full production speed
- Splice detection & ejection (option)
- Laser pointer reel centering

### MASTERFLUTE TOUCH

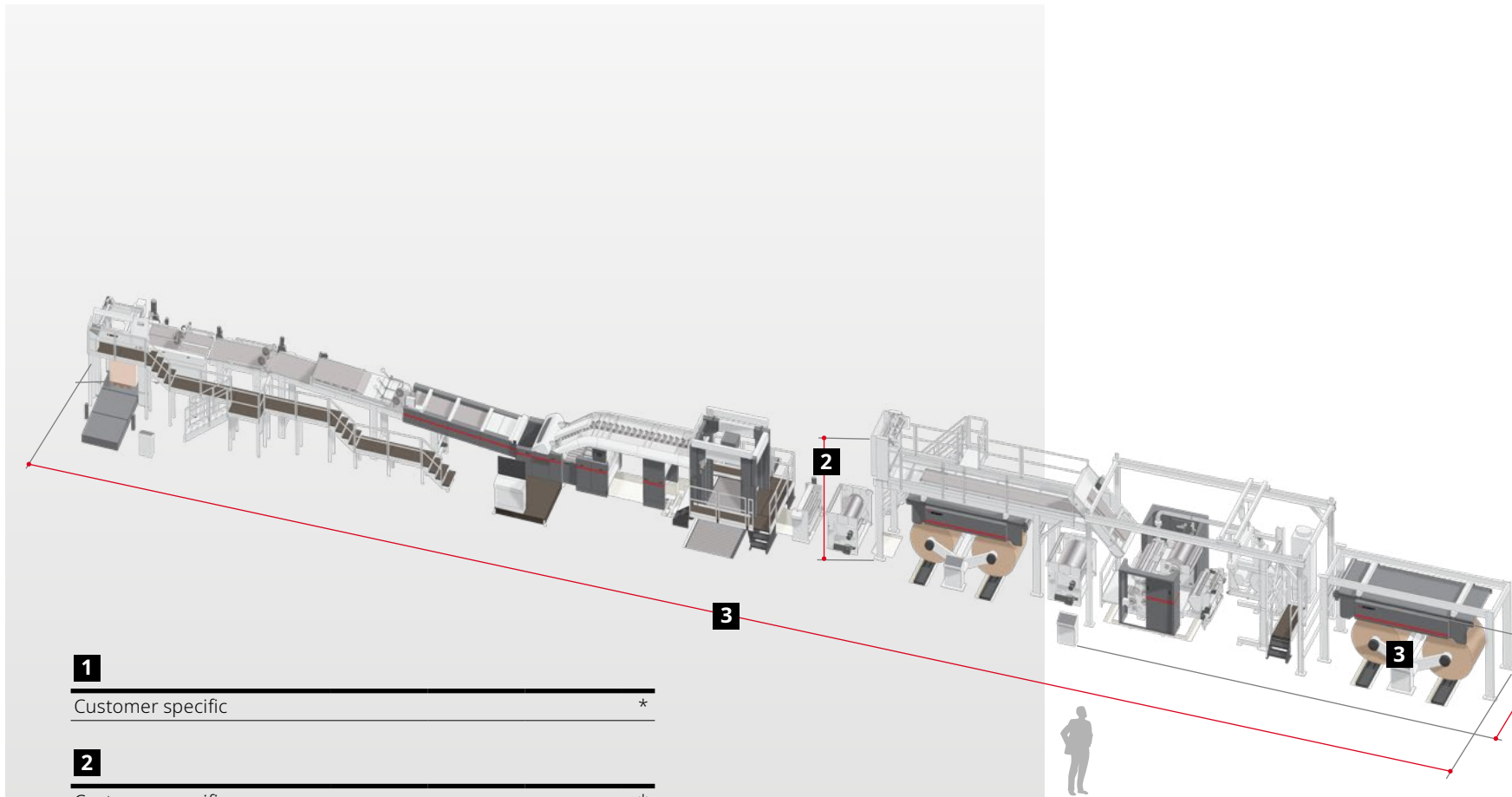
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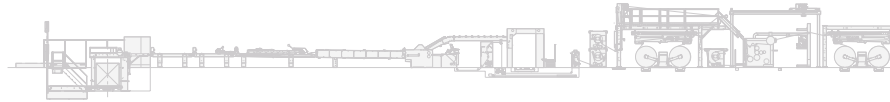
<b>1</b>	Customer specific	*
<b>2</b>	Customer specific	*
<b>3</b>	Customer specific	*

\* Values may vary according to the configuration.

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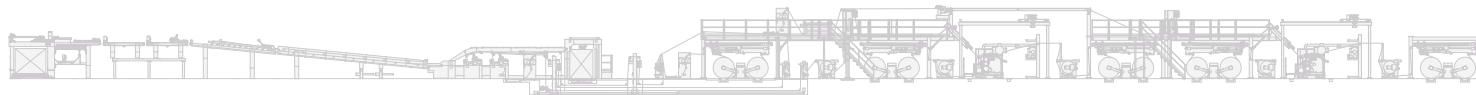
## A1 MASTERFLUTE TOUCH



## A2 MASTERFLUTE TOUCH



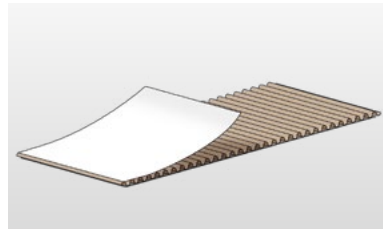
## A3 MASTERFLUTE TOUCH



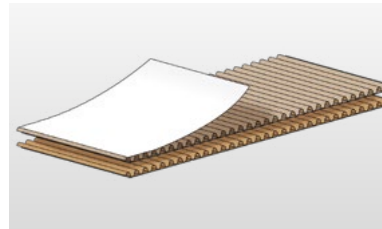
### MASTERFLUTE TOUCH

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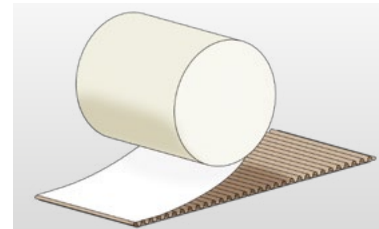
## Process possibilities



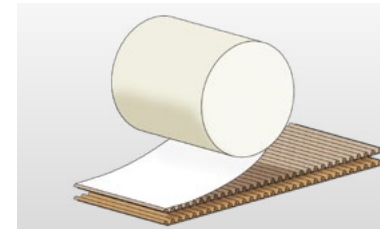
Sheet to web



Sheet to double web



Web to web



Web to double web

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### Convertible stock

### MASTERFLUTE TOUCH

Singleface substrate caliper	0.5 to 6.6 mm	0.02 to 0.25 in
Litho sheet min. dimensions (w x l)	550 x 550 mm	22 x 22 in
Litho sheet max. dimensions (w x l)	1630 x 1650 mm	64 x 65 in
OPTION	1630 x 2050 mm	64 x 81 in
Litho sheet base weight min.	140g/m <sup>2</sup>	29 lb/msf
Litho sheet base weight max.	400g/m <sup>2</sup>	82 lb/msf

### Performance \*

Production speed	220 m/min	720 fpm
or	12,000 sh/hr	12,000 sh/hr

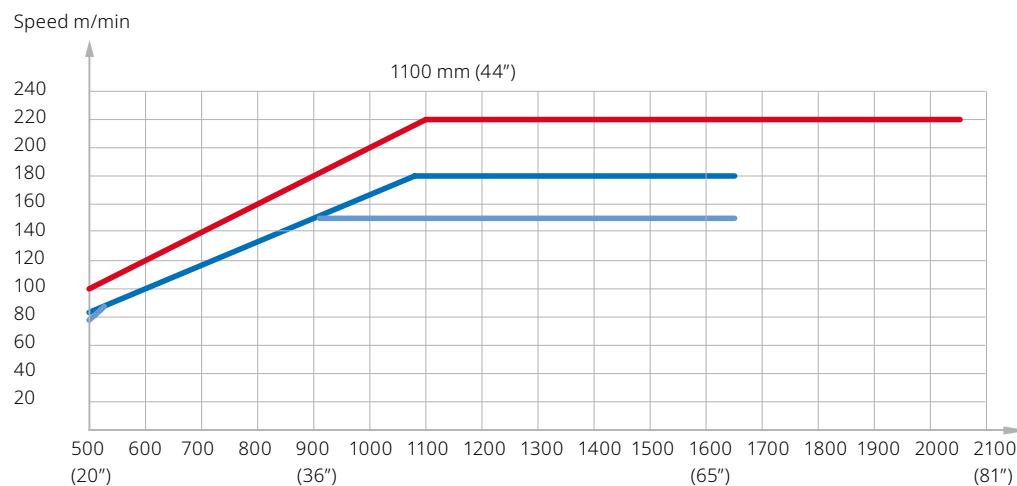
\*depending on sheet length

### Registration accuracy \*\*

Laminating in-line direction	+/- 0.5 mm	+/- 0.02 in
Transverse direction	+/- 0.5 mm	+/- 0.02 in

\*\* to one sheet side only

### Performance



- 220 m/min (720 fpm) ● **MASTERFLUTE TOUCH**
- 180 m/min (600 fpm) ● **EXPERTFLUTE TOUCH 180**
- 150 m/min (500 fpm) ● **EXPERTFLUTE TOUCH 150**

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## Specifications - 3D view

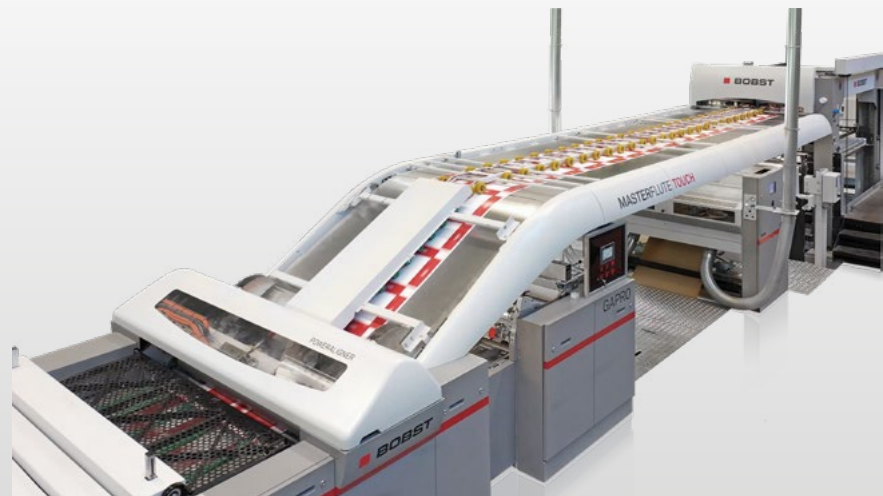
Left side view



Front view



Right side view



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## Related products



### **MINITRIPLO**

Option for double wall litho laminating  
Excellent offset quality on double-wall board.



### **Reel stand ARS & splicer ARES II**

Allows non-stop reel change at full speed  
– Zero tail web connection  
– Driven carrier option.



### **REMOTE OPERATION LIVE CAM MSS SYSTEM**

Allows safe remotely operated action from central desk.  
Gives additional status process and trouble shoot information.



### **> MODULE FACER MF324**

Offers an unlimited range of flute profiles  
Traction roll system for highest single face quality.

## **MASTERFLUTE TOUCH**

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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

> 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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# 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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# Powering performance



LAMINATED BOARD | DEVICE

MODULE FACER MF324

At a glance

# Boosting productivity

The **MF 324** is our answer to the market's need for superior quality corrugated for high graphics. Unlimited range of flute profiles for light to heavy weight paper with traction roll system for highest single face quality by increased nip  
Wear resistant corrugating rolls (Chrome or Tungsten carbide)

## MODULE FACER MF 324

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Non-stop productivity

Speed, precision and efficiency

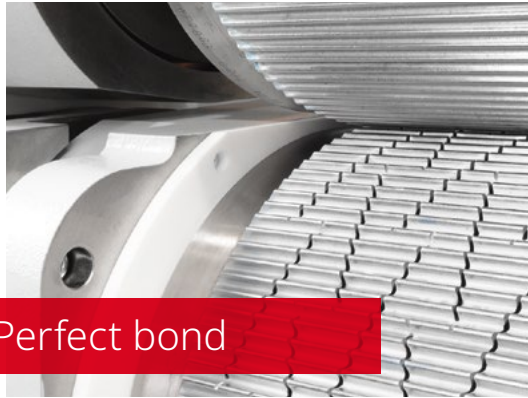
Easy & safe accessibility

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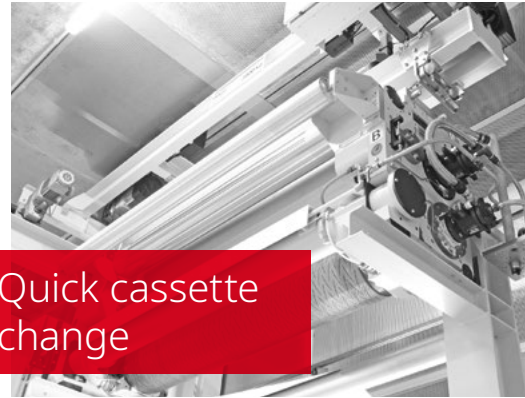
## Benefits and features 1 - 3



Perfect bond

### Air drive system

- The best vacuum holding system
- Improved board quality, reduced risk of fluff-out
- Running off-center is possible
- Low maintenance
- Herring bone or radial slots available



Quick cassette change

### Cassette change system

- Cassettes can be changed in just a few minutes with the handling system
- Manual trolley optionally available



Minimized space requirement

### Cassette storage

- Integrated storage rack for three cassettes
- Safe and compact design

## MODULE FACER MF 324

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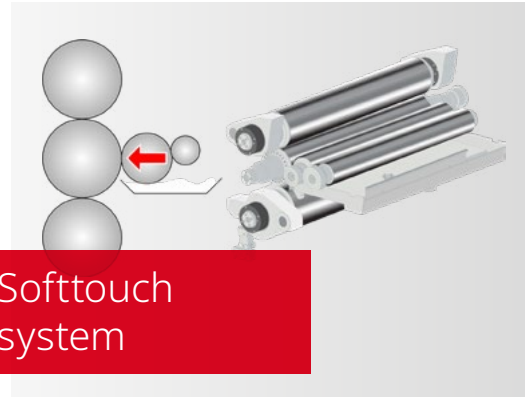
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### Enhanced visual quality

#### Traction roll system

- Virtually eliminates press roll marks
- Provides increased burst strength to the finished product
- Enhances the visual appearance



### Softtouch system

#### Applicator system

- Self-adjusting applicator roll
- No more gap setting by operator
- Uniform glue application across the full width
- Fully retractable unit for easy maintenance
- MATIC glue dams, set to paper width



### Intuitive control

#### Control panel

- Full management of your machine by color touchscreen with graphic mode, no text
- BOBST patent pending
- Remote diagnostics through internet connection

#### MODULE FACER MF 324

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<b>Convertible stock</b>	<b>MODULE FACER MF 324</b>	
Working width max.	1650 mm	65 in
Working width min. *	700mm	27.5 in
Production speed max.	220 m/min	720 fpm
Corrugating roll diameter	305 mm	12 in
Pressure roll diameter	400 mm	15.7 in
Steam pressure max.	14 bar <sup>2</sup>	203 psi
Flute profile	C, B, E, F, N, G, R, D	
Paper gap	self-adjusting SOFT TOUCH system	
Glue gap adjustment	automatic speed related	
Vacuum system	AIR DRIVE, herring bone or radial slots	
Traction roll system	Separately driven	
*500mm possible with restrictions		

### Space requirements

(w x l x h)	6800 x 6000 x 3600 mm	268 x 236 x 142 in
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### MODULE FACER MF 324

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# Market-defining excellence

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