

Outstanding efficiency



FOLDING-GLUING | FOLDING CARTON

EXPERTFOLD 50 | 80 | 110

At a glance



Empowering flexibility

This extremely versatile folder-gluer allows you to produce an impressive number of box styles in a wide range of materials at speeds of up to 450 meters per minute. Easy to operate, it delivers both striking productivity and boxes of unrivalled quality. **EXPERTFOLD** allows you to simultaneously carry out other in-line processes, such as Braille embossing with **ACCUBRAILLE** and quality inspection with **ACCUCHECK**, making it ideally suited for the pharmaceutical and cosmetic markets.

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Superb
performance

Combining quality
with conformity

Amazing
flexibility



Increased connectivity

The **next generation of the EXPERTFOLD** emphasizes the shift towards a more automated, connected and sustainable converting workflow. With the possibility to create and send job recipes in advance in the back office and send them to the machine, setups on the production floor become shorter. Non-digital innovations also continue to play an important role in further improving folding-gluing quality and efficiency.

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Speedy setups

More connectivity and automation with the Job Recipe Workflow and MATIC systems. Reducing machine setups by up to 10 minutes, changeovers have never been faster.



Increased sustainability

With the independent gluing system, the gluing station can run even when the machine motors are turned off. This saves precious electricity, ensures top gluing quality and reduces maintenance time. Being able to put the machine into standby cuts down energy consumption by 5 to 10%.



Better finish

Easier setting and higher precision with the ACCUPRESS delivery pressure system. Enables setting recalls via the HMI for precise and accurate multi-pressure zone setting. With ACCUPRESS, setup times for new jobs can be reduced by 5 minutes.

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

[> READ MORE](#)

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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ACCUFEED

- Integrated blank aligner for perfect folding
- Variable-speed independent drive ensures faultless feeding of irregularly shaped cartons
- Feeds all types of material
- Pneumatic feeder ramps can be unlocked and locked at the flick of a switch, considerably cutting down setup time
- Reduced waste
- Less maintenance



Prebreaker

- Maximum prebreaking of all boxes at high-speed, regardless of material, for easy opening at the filling line
- Extra-wide, left-hand lower belt ensures no marking
- Upper-left conveyor displacement allows for more flexibility



Crash-lock module

- Processes multiple-fold packaging
- Provides a location for supplementary devices such as label inserters
- Telescopic upper conveyors are easily adjustable to box format

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Versatility and speed

4 & 6-corner device

- Fast set-up of all types of 4 and 6-corner boxes
- Automated and precise lateral positioning of the main elements via HMI with optional MATIC system
- Speeds of up to 28,000 b/h
- Cable guides for 45° panel which suit all box sizes
- Modulated hook trajectory for high-speed, high-quality production
- Transparent security doors, reducing footprint at the back of the machine and offering space for tool storage



Accurate glue delivery

Lower gluing unit

- Oversized stainless steel glue wheel for high-speed running
- Unique scraper device with micro-metric adjustment for precise and stable gluing
- All components easily removable for quick cleaning
- Independent motor keeps gluing station active while machine is in standby, allowing energy savings and maintaining glue quality



Smooth and progressive

Folding

- Minimum folding device for folding down to 35 mm
- Choice of left, right or simultaneous folding
- Automatic belt tensioning ensures quicker makeready

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Independent and intelligent

Transfer

- Independent drive for complete control and faster job changing
- Synchronized kicker adjusts to carton arrival time
- Adjustable transfer conveyors adapt to difficult box shapes
- ACCUEJECT ejects non-conform boxes
- Belt tensioning and adjustable height ensures a perfect box stream



Constant flow

Delivery

- Integrated box-stream regulator for precise stream intervals and faster running
- Automatic apron centering improves box quality and prolongs belt life
- Infeed conveyor for better control of boxes with irregular edges
- ACCUPRESS enables easy recall and reset of multi-pressure zones through SPHERE, reducing setup time and improving final product quality, especially for sensitive and crash-lock boxes



Complete control

HMI SPHERE

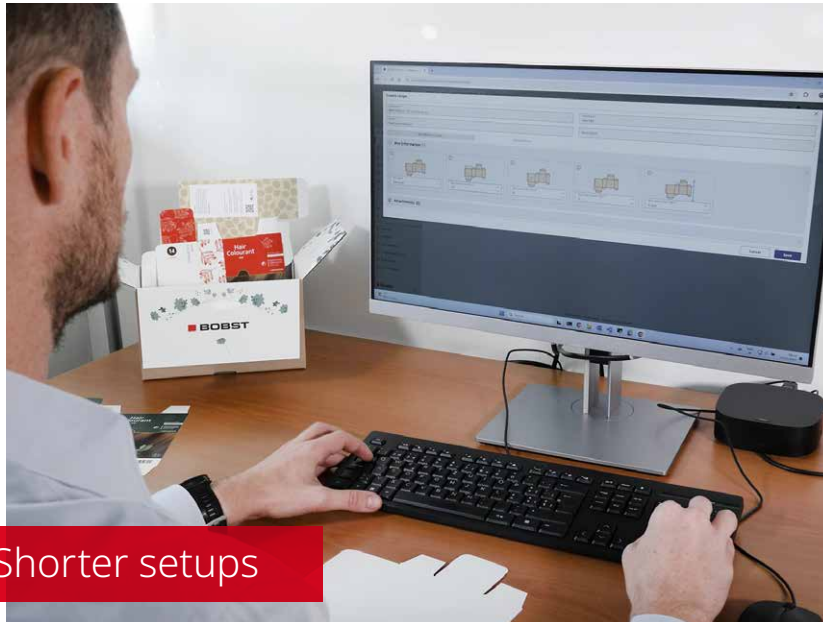
- Controls all functions the machine
- Up to two 15" full color, high-definition touch screens
- Simple step-by-step procedure guides the operator through the job set-up process
- All settings appear on one screen for more convenient and intuitive navigation
- Fully compatible with the digital BOBST Connect platform
- Allows the saving of up to 5,000 job settings

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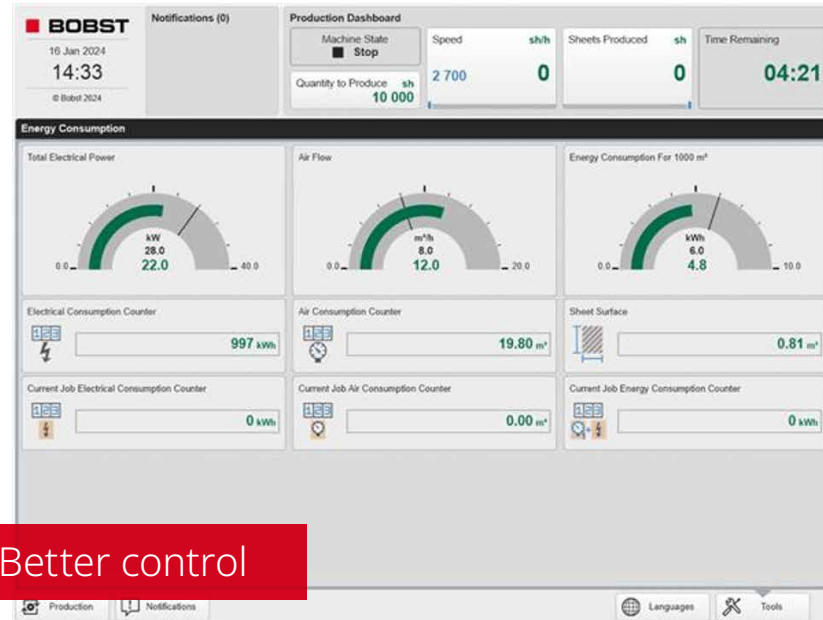


Shorter setups

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 Essential. 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.

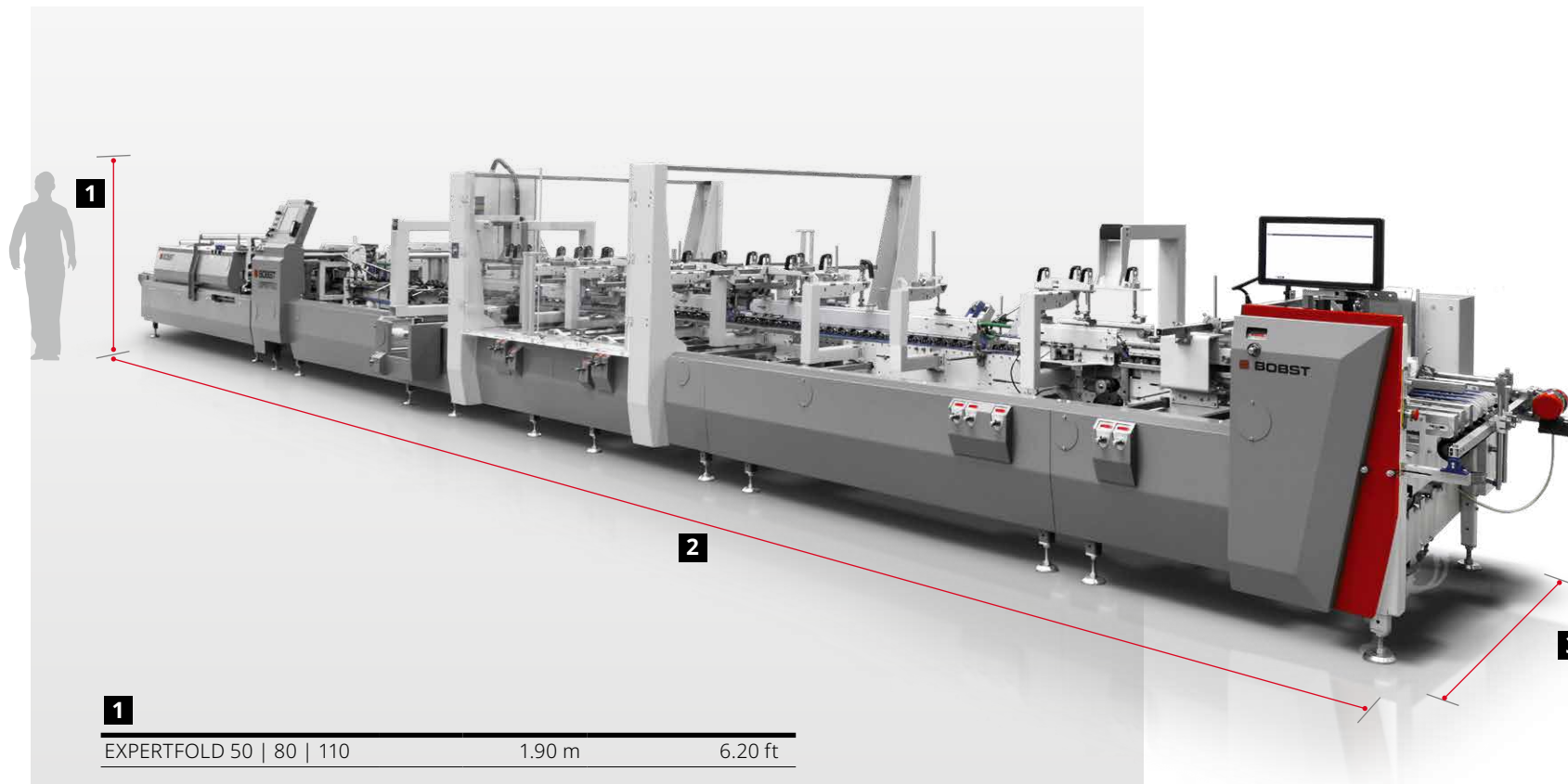
Energy Monitoring allows to control the air and electricity consumption of the machine and identify eventual energy saving measures.

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1

EXPERTFOLD 50 80 110	1.90 m	6.20 ft
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2

EXPERTFOLD 50 80 110	A1	12.30 m	40.40 ft*
EXPERTFOLD 50 80 110	A2	13.80 m	45.30 ft*
EXPERTFOLD 80 110	A3	15.35 m	50.35 ft*

3

EXPERTFOLD 50	1.60 m	5.20 ft
EXPERTFOLD 80	1.90 m	6.20 ft
EXPERTFOLD 110	2.20 m	7.20 ft

*Values may vary according to the configuration.

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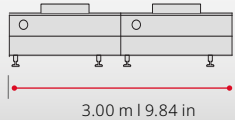
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Specifications – Configurations

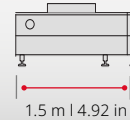
SPEEDWAVE

A1|2 EXPERTFOLD 80|110



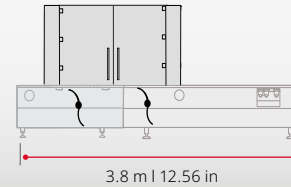
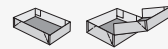
Crash-lock bottom

A2 EXPERTFOLD 50|80|110



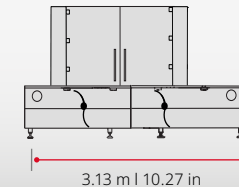
4&6-corner

A2 EXPERTFOLD 80|110

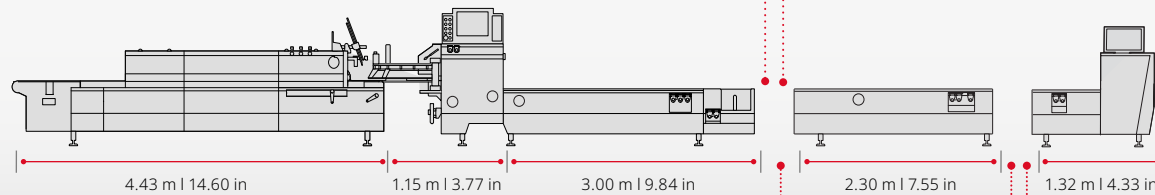
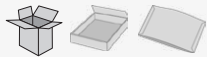


4&6-corner

A3 EXPERTFOLD 80|110

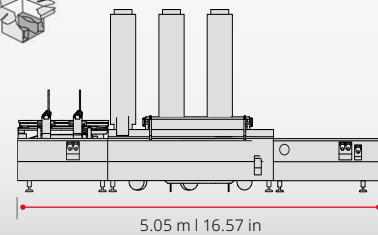


A1 EXPERTFOLD 50|80|110



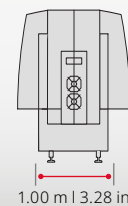
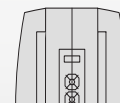
GYROBOX

A2 EXPERTFOLD 110



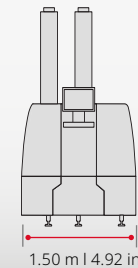
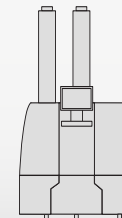
ACCUBRAILLE

A1|2|3 EXPERTFOLD 50|80|110



ACCUCHECK

A1|2|3 EXPERTFOLD 50|80|110



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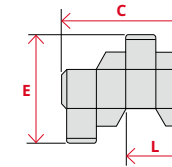
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All configurations must be validated by a technical specialist to confirm compatibility of any added.

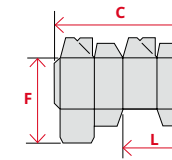
Box sizes

EXPERTFOLD 50 | 80 | 110

Straight line boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	126	4.96	500 800 1,100	19.68 31.49 43.30
E	60	2.36	800 800 800	31.49 31.49 31.49
L	60	2.36	235 385 535	9.25 15.15 21.06
C with minimum folding device G-001	76	3.00		
L with minimum folding device G-001	35	1.37		



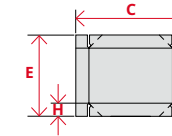
Crash-lock bottom boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	146	5.74	500 800 1,100	19.68 31.49 43.30
F	60	2.36	800 800 800	31.49 31.49 31.49
L	70	2.75	235 385 535	9.25 15.15 21.06



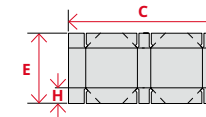
Box sizes

EXPERTFOLD 80 | 110

4-corner boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	120	4.72	800 1,100	31.49 43.30
E	130	5.11	800 800	31.49 31.49
H	20	0.78	150 150	4.48 5.90



6-corner boxes	Min./mm	Min./inch	Max./mm	Max./inch
C	250	9.84	800 1,100	31.49 43.30
E	130	5.11	800 800	31.49 31.49
H	30	1.18	114 150	4.48 5.90



Convertible stock

EXPERTFOLD 50 | 80 | 110

Carton or solid board, up to	800 g/m ²	.049 in
Corrugated board	N-F-E	N-F-E
Thickness of folded box, max.	12 mm	0.47 in

Drive system	m/min	ft/min
Inching speed	20	64
Operating speed adjustable	20 - 450	65 - 1,476

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Extreme versatility

The new multi-purpose **EXPERTFOLD A3 Version**, has been developed to drastically simplify and reduce changeovers on your EXPERTFOLD 80 | 110, increasing your productivity and shortening your lead time while maintaining high-quality production. According to the box type, changeovers can be reduced by up to 80%, pushing versatility and efficiency even further.



- Additional combifolder modules for 4- & 6-corner boxes production, drastically reducing tooling changes
- Up to 80% changeover time decrease when changing from crash-lock bottom to 4- & 6-corner settings
- According to box types, changeovers can be done in 5 minutes

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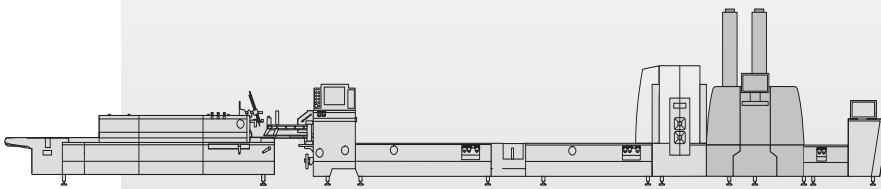
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Zero-fault packaging

> The **new ACCUCHECK** carefully checks carton blanks for defects and guarantees complete quality consistency. Based on the 30 year experience of BOBST REGISTRON® technology, this highly flexible tool allows you to inspect different box areas according to various quality criteria, while remaining easy and quick to operate.



Impeccable results

Faultless boxes

- Ability to deliver zero-defect products
- More than 30 years knowledge in image processing
- Automatic and accurate ejection of faulty boxes at any speed
- Dust elimination device, avoiding unnecessary box rejection and ensuring perfect box quality



Complete quality consistency

Ensuring customer satisfaction

- 100% quality controlled production
- Fully integrated into the folding-gluing process
- PDF conformity
- Makes sure clients' quality requests are perfectly met



Exceptional performance

Amazing inspection capabilities

- Fastest quality control inline
- Full inspection capabilities for any format
- Smart text identification using machine learning
- Value-added productivity
- Patented lighting system

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Related products – Devices



Bespoke quality control

Highly flexible

- Customer-specific inspection modes
- Precise definition of control sensitivity through dedicated zones
- Several operating modes for customized setting and easy operation, to perfectly adapt to any quality criterion
- PDF quality control reporting according to customer validation targets



Cutting costs

Increased efficiency

- In-line system, avoiding an extra step in your production process
- Short and efficient quality control process, cutting running costs of quality checks
- Less waste: eliminates only boxes which do not correspond to specific quality criteria
- Energy-efficient motors



Simple to use

Quick setups

- Inspection parameters can be saved and recalled for quick setups
- Repeat order sets within seconds
- Optional additional screens for full visibility along the production process
- With the Job and Recipe Management Workflow, inspection parameters can be managed in the back office and sent to the ACCUCHECK to be downloaded, allowing a faster setup and better control consistency

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Related products – Technical information

Technical data

ACCUCHECK on EXPERTFOLD 50 | 80 | 110

Inspection zone, up to	400 x 400 mm	15.75 x 15.75 in
With option extension zone increase	800 x 800 mm	31.50 x 31.50 in
Inspection speed, up to (high speed option)	350 m/min. (500 m/min)	1,448 ft/min. (1,640 ft/min).
Device length	1.5 m	4.92 ft

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Inspection capabilities

Inspection capabilities include stable and accurate color measurement, precise register control of print, embossing, foil, cut patterns and enhanced text inspection, regardless of text pose or color as well as advanced control of finishes such as hot foil, embossing or varnish.

Smart print control

- Missing print
- Text error
- Code default
- Color variation



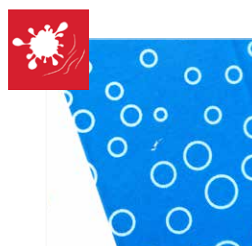
Registration

- Cut to print
- Text alignment
- Foil to print
- Emboss to print



Imperfection

- Splash
- Spot
- Scratch
- Fine line
- Stripe



Integrity

- Carton damage
- Dust
- Oil
- External element



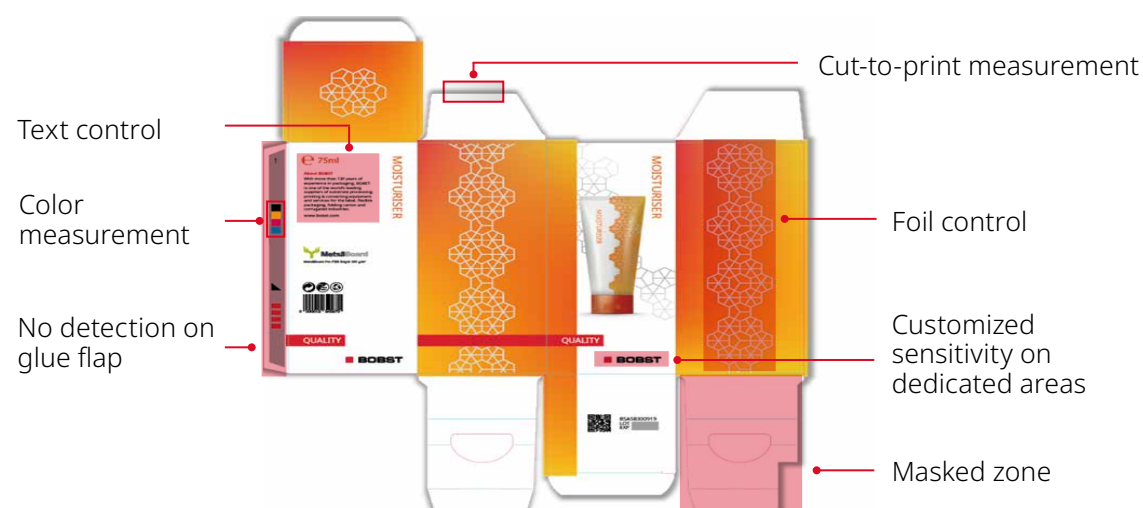
Embellishment

- Missing foil
- Varnish presence
- Embossing absence



Inspection by zone

The global control sensitivity can be adjusted within 3 pre-set quality levels. Moreover, you can customize the blank control areas according to the required defect type and adapt the control sensitivity depending on your needs.



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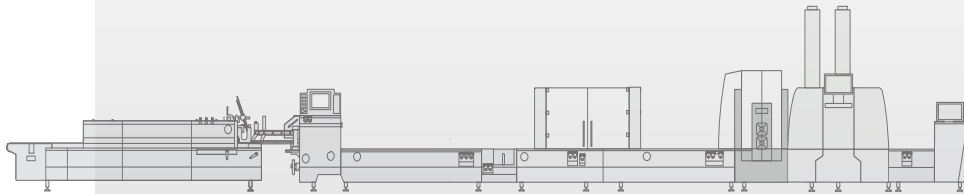
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Guaranteed box compliance

> **ACCUBRAILLE** is a patented additional unit for EXPERTFOLD 50 | 80 | 110. A machine which allows you to emboss braille onto all four panels of a carton, even across the running direction, and to emboss images, letters and/or numbers.



Multiple possibilities

Embossing

- Up to 8 lines and 4 panels, as well as transverse embossing
- Consistent, long-lasting dot definition
- Inline embossing enables smooth feeding of dot-free blanks (no interlocking)



High efficiency

Set-up

- Quick and easy tool mounting system
- Saves extensive set-up time on the die-cutter
- Small footprint
- Cost-effective
- Up to 115,000 b/h



Easy handling

Ergonomics

- Device can be installed on the left and/or right side
- Automatic tool synchronization
- Motorized dot height adjustment
- Embarked doors for perfect safety

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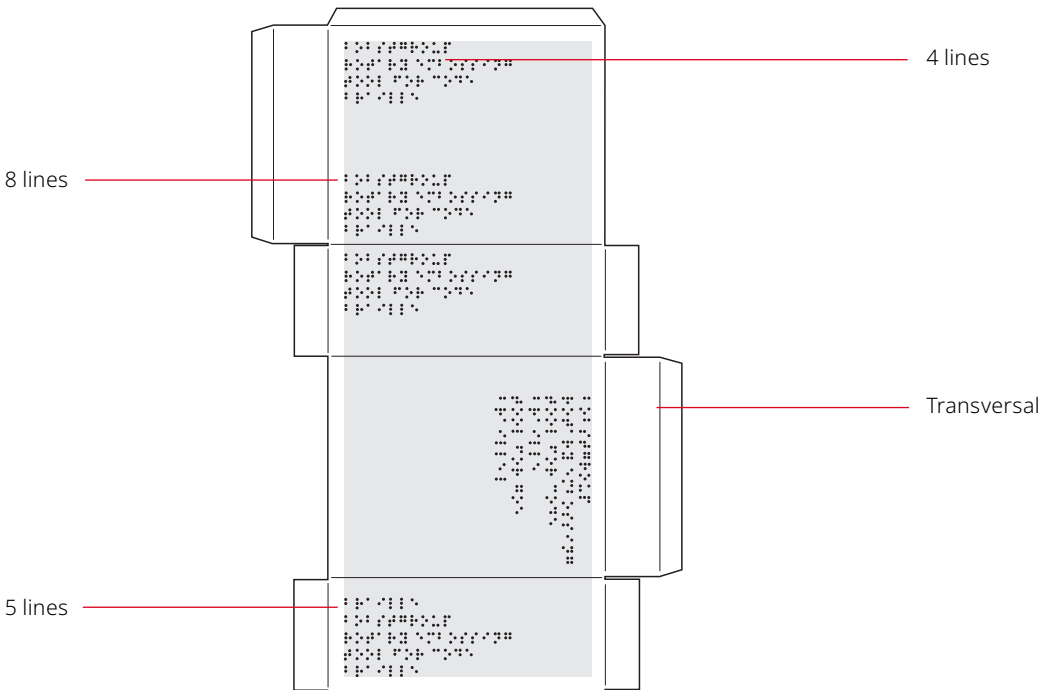
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General data

ACCUBRAILLE on EXPERTFOLD 50 | 80 | 110

Braille	Marburg Medium	
Material	200 - 500 g/m ²	.010 - .023 in
Device	Left and/or right side	
Speed	up to 115,000 b/h	
Device length	1 m	3.28 ft
Device width	1.92 m	6.29 ft

Embossing



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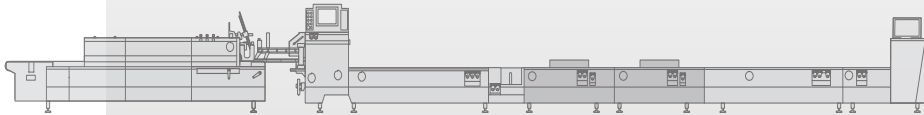
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Crash-locks in a flash

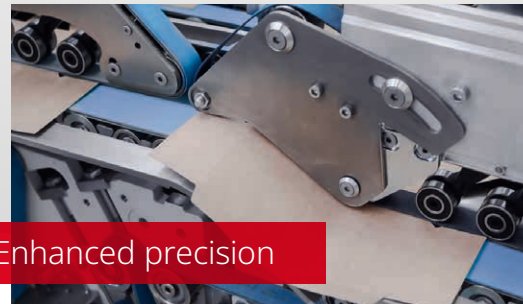
SPEEDWAVE is a BOBST patented device that simplifies the setting of crash-lock and various other special boxes on your EXPERTFOLD 80 | 110, saving you time while simultaneously delivering exceptional folding quality and drastically increasing your productivity.



Easy setting

Set-up

- Greatly reduced setting times
- Highly ergonomic: one button for all settings
- Motorized set-up of the wave
- Synchronized positioning of lower lateral guides and the wave for short setup times
- 80% less tooling to be set in the machine



Enhanced precision

Production

- Exceptional folding quality
- Significantly higher productivity
- Quick and precise motorized set-up
- Graduated scale for precise setting of the wave



Improved functionality

Machine

- Reduced downtime
- Hook-free folding for a more stable folding process throughout the speed range
- Better consistency
- Less noise
- Less maintenance

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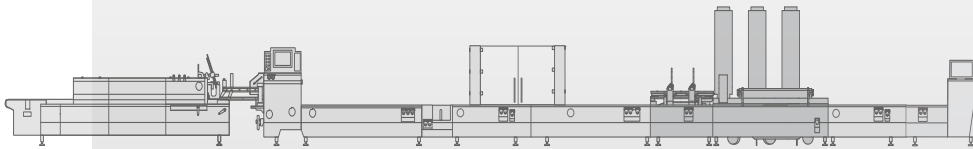
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Simplifying complexity

GYROBOX is a supplementary module for the EXPERTFOLD 110. It revolutionizes the production of complex boxes. Rotating blanks in line between two folding processes, in one single pass. It makes the folding-gluing of complicated carton packaging quick and easy and delivers exceptional end-product quality. GYROBOX boosts the efficiency of your production process.



Efficient and productive

Complex boxes in one go

- Rotates blanks from 0° to 180° in any direction
- Produces complex boxes, such as double-folded boxes, rapidly and in one single pass
- Simplifies the production process and cuts down costs



Easy setting

Production

- Simple to set-up
- Can be left in line, even when not needed
- No hindrance and no loss of speed when running standard boxes



High-quality speciality boxes

Versatility

- Superb quality of the final product
- Maximizes creativity, productivity and efficiency
- Increases diversification, flexibility
- Opens up new markets

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Dimensions

GYROBOX on EXPERTFOLD 110 A2

Length	20.30 m	66.60 ft
Width	2.70 m	8.85 ft
Height	2.30 m	7.54 ft

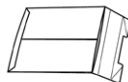
Convertible stock

Carton, solid board and corrugated board	as for EXPERTFOLD	
Format	depending on board quality and weight	

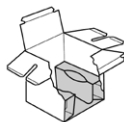
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Operating speed with GYROBOX in use	250 m/min	820 ft/min
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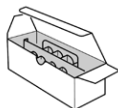
Additional box capabilities (depending on configuration)



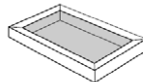
Envelope with side flaps



Box with inner holders



Partition boxes



Double-wall box



Reinforced crash-lock
bottom box

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- Complete flexibility

WONDERFOLD is a motorized hook which allows to perfectly fold independent rear flaps. Lightweight and movable, it is simple and easy to install in the machine. Ultra versatile, it increases the folding abilities of your folder-gluer and delivers an excellent return on investment.

This device can be installed anywhere on the machine, giving you more flexibility and increasing the versatility of your box production.



Uncomplicated

Set-up

- Standalone
- Several units can be installed in the same machine
- Installation of the electrical cabinet with a magnet, so it can be moved wherever it is needed
- Easy to retrofit in an existing machine



Versatile

Multifunctionality

- Reversability of the hook - can be used left or right
- Can be used on top to guarantee perfect control of the box when folding back flaps
- Suited for boxes with apertures

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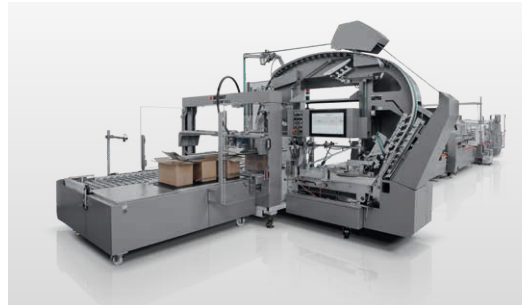


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> **EASYFEEDER / BATCH INVERTER 4**

For continuous and faster feeding of blanks. Makes feeding easier and simpler, boosting production and reducing cost.



> **CARTONPACK 4**

For the highest productivity: allows you to pack a wide range of boxes into shipping containers with speed and precision.



> **HANDYPACK GT**

An unrivalled multipurpose tool for fast and easy carton collection using minimum staff at the delivery.

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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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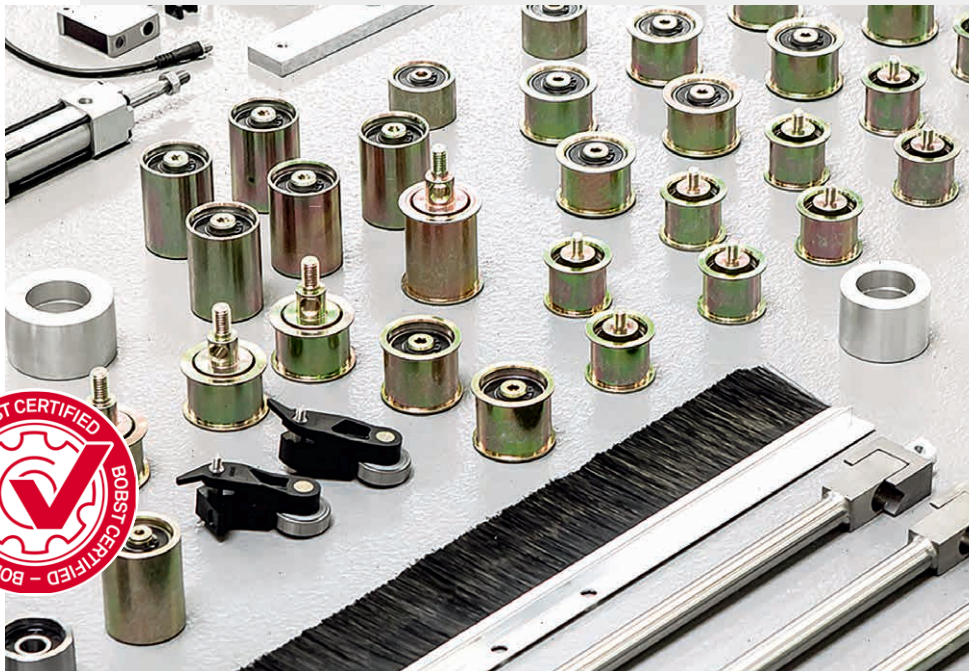
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Maintaining excellence

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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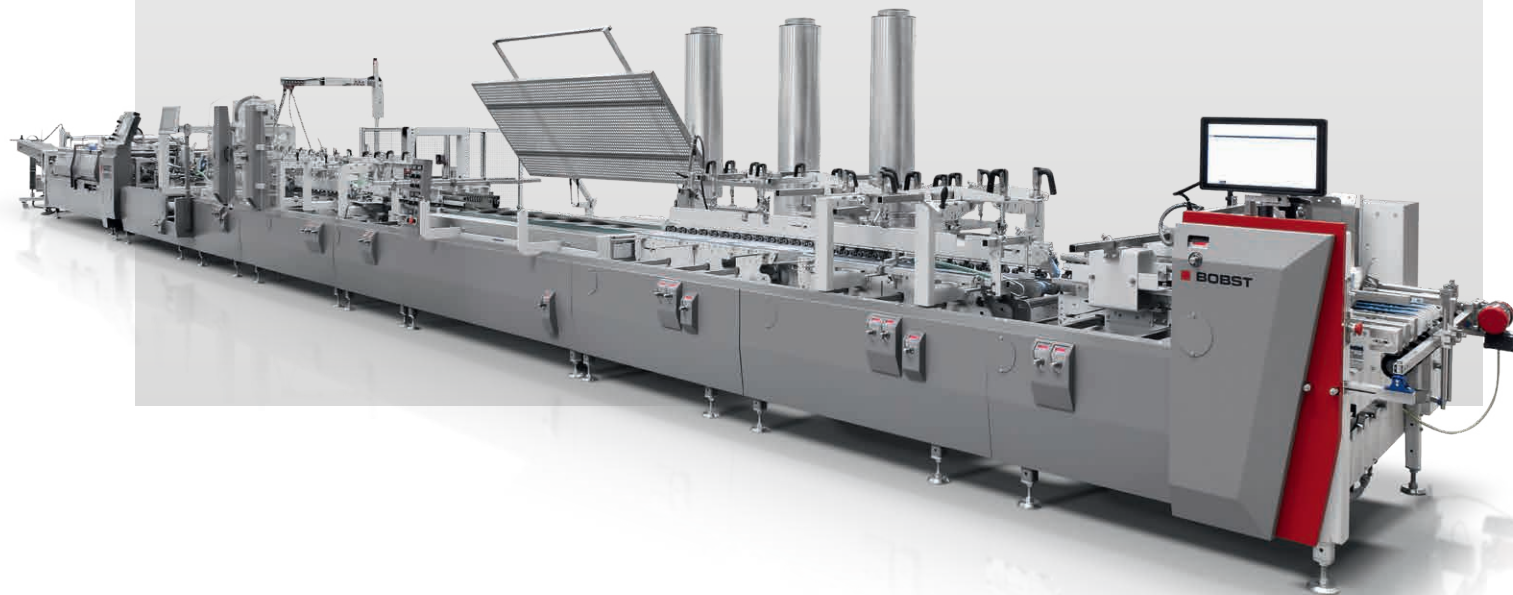
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Outstanding efficiency

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