

# **- Optimum accuracy and consistency**



**DIE-CUTTING | CORRUGATED BOARD**


**EXPERTCUT 1.6 | 1.6 PR**

At a glance

# Powering performance

Accuracy and consistency in die-cutting are vitally important if you want to gain, and maintain, customers. **EXPERTCUT 1.6** offers our legendary BOBST flat bed die-cutting precision, along with great versatility, excellent reliability and superb productivity. EXPERTCUT also features a highly productive workflow which means that job changeovers take less than eight minutes – so as well as delivering the speed you need on long runs you get the quick changeover you need on short runs. Two special packs available with **EXPERTCUT 1.6** further improve its already impressive performance, depending on your priorities.

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Exceptional precision

Impressive production rate

Robust, but flexible

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# 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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### Consistent feeding

#### Bottom feeder

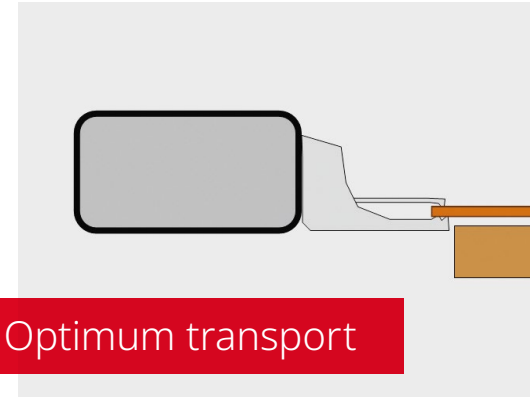
- Height-adjustable rear sheet support with lateral and rear jogging for perfect sheet alignment
- Low drop, preventing possible sheet damage
- Vacuum suction plate handles all types of material from microflute to double-wall
- Optionally with integrated POWER REGISTER for perfect print-to-cut sheet registration



### Precise die-cutting

#### Platen section

- Perfect construction and minimal deformation
- Reductions in makeready and set-up time, as well as cutting force needed
- Substantially increased machine up-time and tool life
- Paired with chase loader, productivity is further increased because the next job is prepared off-press and changeover is fast and ergonomic



### Optimum transport

#### Double cam gripper bar advance

- Accelerates and decelerates sheets in the smoothest way possible
- The new lower gripper position further enhances flat sheet travel, reducing stress on the sheet as it travels through the machine, allowing for higher production speeds
- Smaller nicks for improved finished product quality

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Reliable stripping

### Stripping station

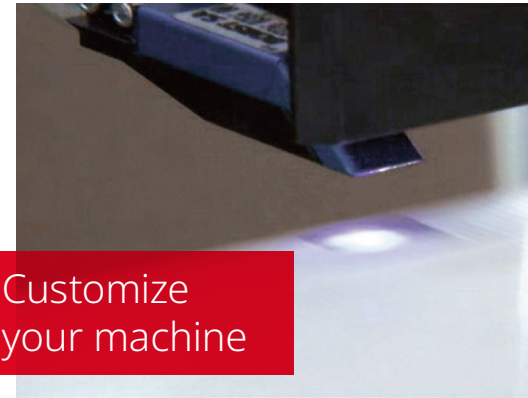
- Precise ejection of even the smallest waste from the most complex layouts
- Dynamic upper stripping frame with fixed central stripping board, resulting in no vertical movement of the sheet and the most perfect stripping result
- Large windows for most ease of access and faster set-ups



Perfect delivery

### Delivery

- Perfectly aligned batches
- Continuous feeding device, lift on the delivery, breaking brush for high speed 6,000 s/h production and 4-8% more productivity
- Removable dedicated lower tool for fast and easy job changeovers
- Male-female ejection tool for accurate removal of front waste, even at full speed



Customize your machine

### Accuracy Pack

- Most precise print-to-cut sheet registration with POWER REGISTER
- Lateral blower for highly accurate feeding
- Gripper opening system for quality control

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<b>1</b>	2.80 m	9.20 ft*
<b>2</b>	10.40 m	34.20 ft*
<b>3</b>	8.20 m	26.11 ft*

\*Values may vary according to the configuration.

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### Convertible stock

### EXPERTCUT 1.6 | 1.6 PR

Corrugated board	0.75 - 9 mm	.03 - .35 in
Corrugated flute types	A, B, C, D, E, F, G, N, O, AB, AC, BC, EB, EF, Triple wall	

### Capability

Sheet size, max.	1,600 x 1,100 mm	62.99 x 43.30 in
Sheet size, min.	600 x 520 mm	23.62 x 20.47 in
Sheet size, min. (with Accuracy Pack)	730 x 520 mm	27.56 x 20.47 in
Production speed, up to	6,000 s/h	6,000 s/h

### Die-cutting

With gripper margin, max.	1,600 x 1,075 mm	62.99 x 42.32 in
Gripper margin (adjustable)	15 mm (+3/-4 mm)	0.59 in (+0.11/-0.15 in)
Height of cutting rules	23.8 mm	.93 in

### Batch height

Feeder, min.	20 mm	0.78 in
Feeder, max.	depending on board quality and weight	
Delivery, max.	300 mm	7.87 in

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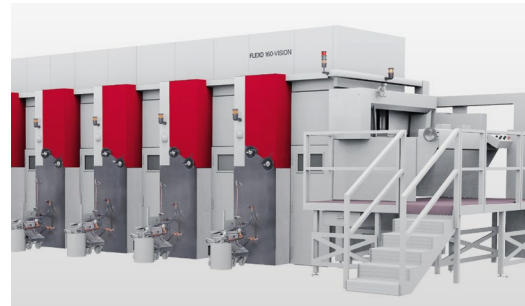
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## Related products



### > **LOADER AF**

Our top feeder solutions handle piles up to 2,000 mm (78.75 in) high, sheets up to maximum size and materials from the lightest to the heaviest - while also ensuring a consistent board stream and no operator intervention.



### > **FLEXPRESS 160-VISION**

Used in-line with a high output FLEXPRESS 160-VISION press, your EXPERTCUT becomes a high speed, high quality, automated box production line.



### > **BREAKER 2 FLAT TRACK**

Capable of handling even the smallest batches - 150 x 150 mm or 5.91 x 5.91 in - at a rate of 300 per hour, BREAKER 2 FLAT TRACK is your fully automated solution for mastering your layer arrangement.

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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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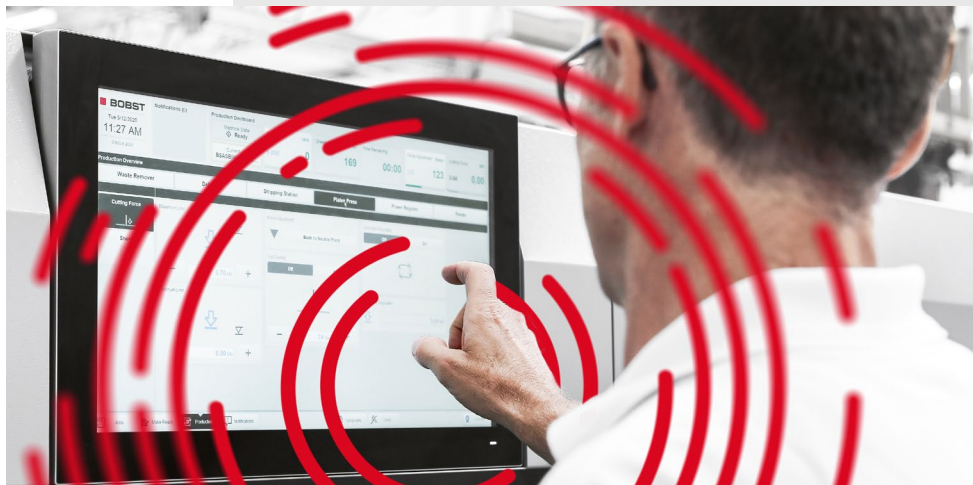
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# Digital age manufacturing happening with BOBST Connect

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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# Full tooling process optimization

In this challenging market, great tooling provides the consistency that you and your customer need, from the first to the last box of an order. BOBST offers the most advanced tools and equipment for die-making and converting processes so you can exceed customer quality and turnaround expectations, all while maximizing uptime and profitability.



For more information on advanced tooling and die-making products, please contact our experts.

> [LEARN MORE](#)

## World-class die-cutting

- Forward thinking die-making equipment and software
- Shorter lead times without compromising quality
- Create exceptionally precise tooling for every converting process

## Certified Die-Makers

The Certified Die-Makers Program supports and promotes world-class local die-makers. Choosing a certified die-maker guarantees the best local tooling solutions, with BOBST supporting the ongoing innovation, digitalization and quality improvements of these specialists.

## Enhanced converting

- Industry-leading range of equipment
- Made for all cutting, stripping and blanking stations
- Shortens set-up and changeover times

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