Fully automated complete line

FLEXO FOLDER GLUER

FFG 8.20 EXPERTLINE

www.bobst.com
Powering performance

**FFG 8.20 Expertline** is the guarantee for unmatched performances on RSC boxes. This innovative solution allows very high production speed up to 24,000 boxes/hour, ensures a consistent quality of boxes and permits to reduce cost of ownership by means of a high degree of automation and user friendliness.

The ultimate **speed** and **quality**

**Ultra-quick order** change of the complete line: **1 to 2 min**

**Fully connected**
Creating value

BOBST innovations are driven by customer and brand owner needs.

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.

Packaging market – Corrugated board

> At a glance
> Packaging market
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**Benefits and features 1 – 3**

**EXPERTLOADER**
- SOC Sequential Order Change: ultra-quick order change
- Automatic feeding without operator intervention
- Automatic introduction of the first sheet of each order

**DFB Feeder - Direct Feed Belt**
- Lead edge feeder with 2 sets of belts
- No crush feeding
- Ideal for light weight boards

**Fixed Top Flexo**
- Smart Plate Mounting: 3 positions: easy and safe - BOBST patent
- Order change during the run - Rapidset system
- Automatic printing plate tensioning
- Carbon fiber doctor blade chambers

**Non-stop feeding at rated speed**

**Accurate feeding**

**Ultra quick mounting of the printing dies**
Benefits and features 4 – 6

Ultra quick mounting of the die-cutting tools

Top rotary die-cutter
- Posilock® system
- Variable anvil speed
- Automatic anvil grinding

Slotter - 4 pairs of shafts
- Prescoring, rear slot, scoring, front slot
- Double scoring profile
- Low maintenance costs

Automated lap cutting with independant drive
- Automated glue lap extension
- Waste free lap cutting
- Set-up through MPC4

Highly automated slotter

Folder-Gluer Multi-T folding section
- Consistent gap by means of motorized gauge rollers
- Progressive folding at high speed with Multi-T belts
- Lower conveying belts with independent motorization on right and left side
- Fluid Folding ®

Accurate and consistent folding
**Benefits and features 7 – 9**

**Top Counter**
- Synchronized resquaring of boxes
- 100% counting accuracy

**MPC4 : Unique man-machine interface**
- Full control of your machine, the operator sets the box on the screen
- Step-by-step process monitoring
- Simple and intuitive set-ups
- Color touch screens with graphic mode, no text
- BOBST patent

**Increased reliability & improved maintenance**

**MMPC : Maintenance Management & Productivity Control**
- Visualizing and monitoring the state of the machine
- Production data
- Preventive maintenance
- Maintenance guide, online documentation
- Low energy cost per manufactured box and reduced installed power

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Specifications - Measurements and configurations

1. 3.1 m 10.2 ft*
2. 29.7 m 97.4 ft*
3. 6.6 m 21.7 ft*

* Values may vary according to the configuration.
Materials processed
Corrugated board, thickness from 1.2 to 8 mm (0.04 to 0.3 in).
Single wall and double wall.

Sheets sizes

<table>
<thead>
<tr>
<th></th>
<th>Min./mm</th>
<th>Max./mm</th>
<th>Min./inch</th>
<th>Max./inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - Sheet length</td>
<td>625</td>
<td>2,180</td>
<td>24.6</td>
<td>85.8</td>
</tr>
<tr>
<td>H - Total length of panels</td>
<td>600</td>
<td>2,100</td>
<td>23.6</td>
<td>82.6</td>
</tr>
<tr>
<td>I - Sheet width</td>
<td>250</td>
<td>830</td>
<td>9.8</td>
<td>32.6</td>
</tr>
<tr>
<td>I - Skip-Feed</td>
<td>1,050</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A+C - Small panel</td>
<td>90</td>
<td>810</td>
<td>3.5</td>
<td>31.8</td>
</tr>
<tr>
<td>B+D - Large panel</td>
<td>110</td>
<td>850</td>
<td>4.3</td>
<td>33.4</td>
</tr>
<tr>
<td>B+C - Half-box</td>
<td>300</td>
<td>1,050</td>
<td>11.8</td>
<td>41.3</td>
</tr>
<tr>
<td>E - Slotting length</td>
<td>0</td>
<td>300'</td>
<td>0</td>
<td>11.8'</td>
</tr>
<tr>
<td>F - Box height</td>
<td>75</td>
<td>510'</td>
<td>2.9</td>
<td>20'</td>
</tr>
<tr>
<td>P - Glue lap width</td>
<td>25</td>
<td>45</td>
<td>0.9</td>
<td>1.7</td>
</tr>
<tr>
<td>Lp - Glue lap length</td>
<td>100</td>
<td>700</td>
<td>3.9</td>
<td>27.5</td>
</tr>
<tr>
<td>L - Unfolded sheet</td>
<td>625</td>
<td>1,200</td>
<td>24.6</td>
<td>47.2</td>
</tr>
</tbody>
</table>

Machine specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Production speed</td>
<td>24,000 s/h</td>
</tr>
<tr>
<td>Maximum printing surface</td>
<td>760 x 2,000 mm</td>
</tr>
<tr>
<td>Nominal repeat length</td>
<td>900 mm</td>
</tr>
<tr>
<td>Power supply capacity - 4 colors</td>
<td>222 kVA**</td>
</tr>
<tr>
<td>Air consumption - 4 colors</td>
<td>131 Nm3/h**</td>
</tr>
</tbody>
</table>

* Value may vary according to the mounting length of slotting knives
** Value may vary according to configuration
Related products

**PREMIUM GAP CONTROL**
BOBST’s Premium Gap Control ensures reliable and precise control of 100% of finished boxes at rated production speed. Easy to operate, optimum productivity and total folding quality: the competitive circle squared.

**FFG PALLETER - Flexible and Fast**
FFG palletizer ensures that your whole production process maintains quality and speed. The fully automated palletizer handles any FFG boxes and provides high speeds, quality and flexibility.
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
Switch on digital transformation

BOBST Connected Services ensures your business is ready for the changing world of digital manufacturing. Our range of apps and 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 & Premium*
- Remote access intervention, with BOBST technicians
- Expert support, eight hours a day, five days a week
- Maintain production, reduce callouts by 80%

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

Connect Portal
- User friendly web portal containing equipment data, reports and analysis
- Access insights on the go with Mobile Portal from your smartphone

Remote Monitoring
- Real-time production KPIs
- Alerts and notifications
- Enabling control and decision making

Downtime Tracking
- Track downtime and understand the root causes
- Enabling continuous improvement in productivity MES / ERP interface
- Web-based API for simple equipment data interface
- Data link and ERP Interface protocols for on-site direct integration

*24/7 support in selected areas.