The City e is the ideal perfect binder for industrial binding and printing companies. Compact and rugged, it is designed to meet the requirements of daily production with a high degree of automation and flexibility. Thanks to its high degree of automation, the Navigator can be used to reduce set-up and processing times to a minimum. All vital setting parameters can be adjusted via the Navigator, a graphically interactive operator guidance. Using the Navigator, even a new employee is able to quickly and easily set up the machine.

**Processing of all gluing systems**

**The hotmelt gluing unit**

The hotmelt gluing unit contains powerful main milling motors in combination with highly effective and accurate cover register. Covers are positioned precisely and kept in register with each other during covering of the product. The stationary single-roller feeder is easy to use and eliminates any possible pinch points. The hotmelt gluing unit can be equipped with separate gluing units for spine and side gluing. The contra-rotating spinner ensures even and precise application of the glue.

**The PUR gluing unit**

The PUR gluing unit has a patented integrated 20 kg barrel premelter and a metering pump controlled by motor drive. The blade system, which is adjustable by motor control; seldom-used adjustments can be set from the Navigator of the perfect binder – an active TFT colour display with its strong main milling motor and frequency control secures the quality. The external preheating system supports the optimal use. The automatic length control systems ensure that the glue length is adjusted to the required product thickness. The PUR gluing station consists of interfaces for separate spine and side gluing units. The hotmelt spine gluing unit with integrated premelter features the automatic adjustment for product thickness and glue length. For PUR-gluing, a separate premelter can be adjusted by motors to the required premelt temperature.

**The cold gluing unit**

The cold gluing unit offers horizontal and heated gluing discs and a cold gluing unit with integrated premelter. The PUR gluing system allows a combination of motorized and manual adjustments. All main and important functions are adjustable via the Navigator.

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The automatic perfect binder

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical speed</td>
<td>1000 - 6000</td>
<td>cycles/h</td>
</tr>
<tr>
<td>Product height</td>
<td>140 - 370</td>
<td>mm</td>
</tr>
<tr>
<td>Product width</td>
<td>105 - 320</td>
<td>mm</td>
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<tr>
<td>Product thickness</td>
<td>2 - 62</td>
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</tr>
<tr>
<td>Cover height</td>
<td>140 - 375</td>
<td>mm</td>
</tr>
<tr>
<td>Cover width</td>
<td>208 - 645</td>
<td>mm</td>
</tr>
<tr>
<td>Width of rear cover page</td>
<td>103 - 309</td>
<td>mm</td>
</tr>
<tr>
<td>Product hang-out</td>
<td>8 - 15</td>
<td>mm</td>
</tr>
<tr>
<td>Clamp opening</td>
<td>max. 90</td>
<td>mm</td>
</tr>
</tbody>
</table>

*Net output is depending on material, the product type, glue technology, etc.

The PUR-gluing unit

Can be supplied as roller or nozzle system.

- QuickJet: Both systems feature a patented and integrated 20 kg barrel melter. The special coated and shaped glue pot of the roller system supports the optimal use. The automatic length control secures the quality. The external pre-heating - and cleaning station reduces waiting times when changing the glue technology.

The foredge trimming device VSS

- The foredge trimming device VSS allows a rational and high-quality production of products with gatefolds. Products with gatefolds and shorter or flush texts can be produced inline in one pass at high speed. Fully motorised adjustment of all formats via the Navigator of the perfect binder – no separate setup process required. Since the foredge is trimmed in the clamp during the actual perfect binding process, a high cutting precision and product accuracy is guaranteed.

- Cover Folder Feeder KW

Products with gatefolds can be produced rationally and inline with the exact binder size. The full-surface score line guarantees a perfect finish in gatefold products, thanks to ideal folding drivers, shaped parts and precision circles. All format adjustments are fully motorised and programmed via the Navigator of the perfect binder. The cover folder feeder KW is available as inline or universal edition.

- Foredge trimming device VSS

- Cover Folder Feeder KRF

Products with gatefolded covers can be produced rationally and inline with the cover folder feeder. The full-surface scoring knives guarantee an exact scoring of even the heaviest cover stock. Folding process via folding knives, shaped parts and pressing rollers. All format adjustments are fully motorised and programmed via the Navigator of the perfect binder. The cover folder feeder KRF is available as inline or universal edition.