Blanking Makes the Difference.

Promatrix 106 CS/CSB.
Whether it’s for production of folding carton boxes, labels or display. Cutting, creasing, embossing, scoring or perforating. Whether it’s for short job runs where only the waste needs to be broken out or long job runs where a complete separation of the job can reduce the cost of production. The Promatrix 106 offers the right diecuting solution for all your applications at the right price to ensure you get a reliable return on your investment.

The Promatrix 106 is available in two versions: On the one hand as die cutting machine with stripping function – Promatrix 106 CS. And on the other hand as die cutting machine with stripping station and blanking function – Promatrix 106 CSB. The Promatrix 106 is distinguished not just by its high performance but also by easy operation and short change-over times.

The Promatrix 106 CS has already an established product in the Packaging Market meeting the expectations of medium-size and industrial packaging print houses.

The Promatrix 106 CSB is the new blanking machine in the Heidelberg family. The machine is based on the established technology of the 106 CS and is extended by a blanking station and some additional benefits. The

Promatrix 106 CSB suits companies looking to reduce their manufacturing costs and shorten production time by eliminating manual operations as well as established packaging printers already producing on an industrial scale who need to increase capacity or replace obsolete equipment.

The machine can handle an impressive range of material and this offers a lot of different application and job opportunities to meet your customers demanding expectations. The Promatrix 106 is able to handle e.g. labels and thin paper bandoles as light as 90 g/m². Typical folding carton boxes as e.g. for food, cosmetics, confectionery, pharmaceuticals and health care up to 2,000 g/m² can be cut and stripped at the Promatrix and even blanked on the CSB version. Running corrugated products with a max thickness of 4mm is not a challenge for the machine allowing you to add high value added products such as promotional display to your production range.

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Features and Benefits.
Promatrix 106 CS/CSB.*

Cutting Speed.

<table>
<thead>
<tr>
<th>CS</th>
<th>8,000 SPH</th>
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<tr>
<td>CSB</td>
<td>7,500 SPH</td>
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with non-stop operation in feeder and delivery.

Safe Operation.
Confirmed by GS approval.

CS or CSB. Available with cutting, stripping and blanking* (*only in CSB).

Easy to learn. simple to use – thanks to touchscreen user interface.

Processes board up to 2,000 g/m².

Format: 760 x 1060 mm

XL 106.
Compatible with all Heidelberg 70 x 100 Speedmaster presses, including the Speedmaster XL 106.

Motorised cutting pressure adjustment. Quick Lock systems for the tools in the cutting, stripping and blanking station are included in the machine standard.

The perfect solution for
Advanced Commercial Applications and folding carton production.

Cutting versatility.
Processes materials as thin as 90 g/m².

* See reverse
Decisive Characteristics.
The Facts at a Glance.

Features:
- Non-Stop function at feeder & delivery
- Pneumatic locking device for tools in cutting station
- Optional Chase Changer to prepare die cutting tools outside of the machine
- Integrated Quick Lock System for stripping and blanking station
- Integrated fine adjustment system for thin cutting plates
- Sample sheet removal during production (CSB version only)
- Full automatic pallet change system at delivery (CSB version only)

Highlights:
- The basic machine is already equipped with all functions and equipment to start the production
- Short setup times
- Easy operation concept
- Outstanding price-performance ratio

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For value retention and maximum performance:

Service Agreements.

- Service agreements offer security and peace of mind, while at the same time providing you with the benefits of full cost control and simple administration
- Servicing by highly trained technicians
- Exclusive use of original service parts
- Protection of your machine investment
- Retention of a high resale value

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The machine shown is a sample configuration. Some of the equipment features mentioned are optional.

1 Non-stop Feeder
- Suction head for paper, board and corrugated board
- Suction head with quick positioning function
- Pile platform with motorized side pile adjustment
- Mechanical double-sheet detection

2 Feed Table
- Register system
- Pull/Push side lay on both sides
- Suction belt table
- Central adjustment system for rollers and brushes
- Four front lays with active optical monitoring
- Gripper opening for misaligned sheets
- Ultrasonic double-sheet detector

3 Cutting Station
- Register system
- Motorized cutting pressure adjustment
- Pneumatic locking device for die-cutting chase and cutting plate
- Cutting plate fine adjustment
- Air cushion for easy cutting plate handling
- Quick lock chase
- Chase Changer (optional)
4 Stripping Station
- Register system
- Integrated quick lock systems for all tools (top, middle, bottom)
- Fine adjustment of tools with position indicators
- Test sheet removal
- Electronic sheet monitoring
- Pre-make-ready table (optional)

5 Delivery (only CS)
- Non-Stop rolling carpet
- Pneumatic flap for test sheet removal
- Sheet size adjustment with position indicators
- Sheet brake brush with motorized brake force adjustment
- Tape inserter (optional)
- Gripper edge removal system (optional)

6 Blanking Station (only CSB)
- Auto-Non-Stop function
- Full automatic pallet change system
- Sample Sheet Removal System (during production)
- Integrated quick lock system for top tooling
- Fine adjustment of top and bottom tools with position indicators
- Tie sheet cassette
- Vacuum bar
- Pile height sensor

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### Technical Data

<table>
<thead>
<tr>
<th>Material</th>
<th>Promatrix 106 CS</th>
<th>Promatrix 106 CSB</th>
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<tbody>
<tr>
<td>Paper (min.)</td>
<td>90 g/m²</td>
<td>90 g/m²</td>
</tr>
<tr>
<td>Carton Board (max.)</td>
<td>2,000 g/m²</td>
<td>2,000 g/m²</td>
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<tr>
<td>Corrugated Board (max.)</td>
<td>4.0 mm</td>
<td>4.0 mm</td>
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</table>

| Sheet Size (max.)              | 760 × 1,060 mm   | 760 × 1,060 mm   |
| Sheet Size (min.)              | 300 × 350 mm     | 300 × 350 mm     |
| Cutting Pressure (max.)        | 2.6 MN / 260 t   | 2.6 MN / 260 t   |
| Machine Speed (max.)           | 8,000 B/h        | 7,500 B/h        |

| Pile Height (incl. pallet)     |                  |                  |
| Feeder pile height (max.)      | 1,500 mm         | 1,500 mm         |
| w/o non-stop                   | 1,200 mm         | 1,200 mm         |
| in non-stop operation          |                  |                  |
| Feeder Pile Weight (max.)      | 1,500 kg         | 1,500 kg         |
| Delivery pile height (max.)    | 1,400 mm         | 1,400 mm         |
| Delivery Pile Weight (max.)    | 1,350 kg         | 1,350 kg         |

| Machine Dimensions             |                  |                  |
| Machine Length (ca.)           | 6.4 m            | 8.8 m            |
| Machine Width (ca.)            | 4.2 m            | 4.2 m            |
| Machine Height (ca.)           | 2.8 m            | 2.8 m            |
For details on the emissions of the Promatrix 106 CSB, please visit us at heidelberg.com/emissiondetails

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