



The new dimension in die-cutting. **Mastermatrix 106 CSB.**



Top-class die-cutting.

Mastermatrix 106 CSB.

The competitive pressure in the packaging market has intensified significantly as a result of developments in recent years, with globalization calling for greater flexibility, short response times and a high level of economic efficiency. Industrial packaging processing is not the only sector that experiences a constant conflict between short and long runs, frequent job changes, and ever-increasing demands on product quality.

The Mastermatrix 106 CSB is the perfect solution to meet these developments, because it provides exactly what you need: everything from efficient production of everyday packaging to postpress for unusual carton designs in top quality.

As the newest member of Masterwork's range of die-cutters, the Mastermatrix 106 CSB has been specifically optimized for higher machine speed (max. 9,000 sheets per hour), greater productivity, and shorter makeready times.

The redesigned die-cutting station (camshaft drive) improves how the sheets are transported within the machine and increases the plane parallelism in the platen press.

The format setting process in the feeder is largely motorized (e. g. suction head and lateral guides) and, thanks to the integrated preset function, also largely automatic. This is particularly useful with stored repeat jobs.

In the area of the blanking station, the adjustment of the blank separation grid has been revamped. The new MasterRake makes positioning and fastening the individual rake swords noticeably easier. The result is a much more user-friendly and significantly shorter makeready process.

A revolutionary new feature is the option to easily clamp thin cutting plates using an integrated quick-lock system. This means that the cutting plates no longer need to be held in place with at least four screws.

In addition, integration into existing machinery poses no problem: die-cutting tools from different die-cutters can be used with a reasonable amount of effort.

The Mastermatrix 106 CSB has been thoroughly tested, and meets the stringent safety standards of the German professional association ETEM (Energie Textil Elektro Medienerzeugnisse). As a result, it bears the GS mark.

The Mastermatrix 106 CSB is manufactured by Masterwork, exclusively distributed by Heidelberg and backed up by the professional and renowned, worldwide Heidelberg sales and service network.

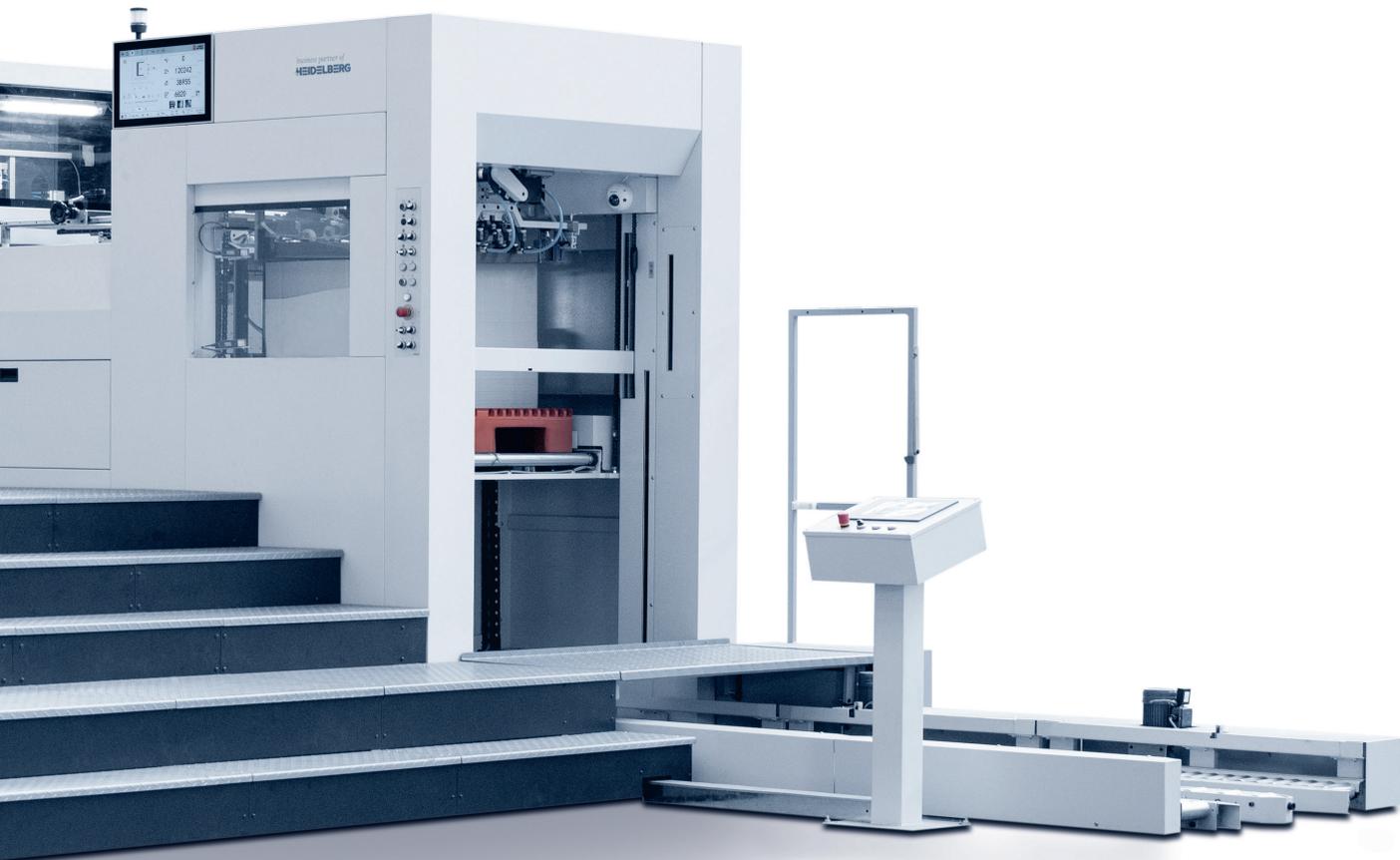
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Highlights:

- Die-cutting platen press with camshaft drive
- Max. machine speed: 9,000 sheets per hour.
- Preset suction head and lateral guides in the feeder
- MasterSet for optical sheet alignment
- Cutting plate with quick-lock system
- Logistics system and non-stop system in the feeder (option) and delivery
- MasterRake for easier adjustment of the non-stop rake system in the delivery
- Sample sheet removal during production
- Folding carton production at the highest level
- Faster machine speed for greater productivity
- Intelligent solutions in all machine stations for short changeover times

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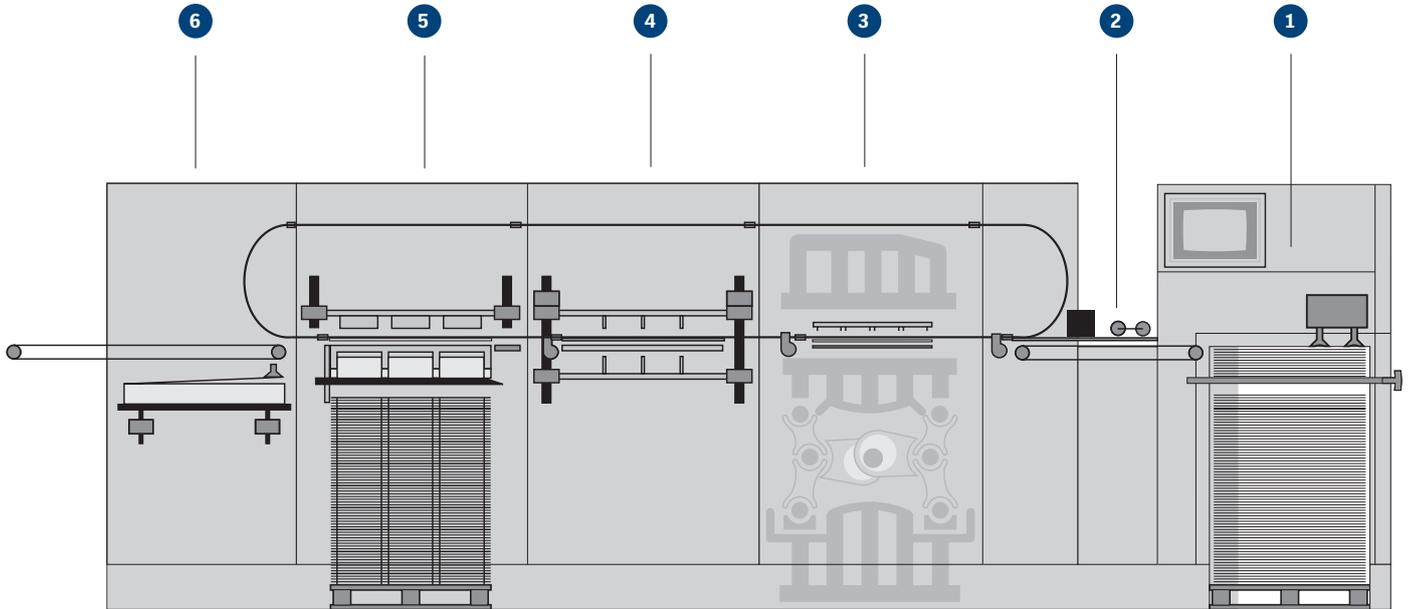


For value retention and maximum performance:

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.



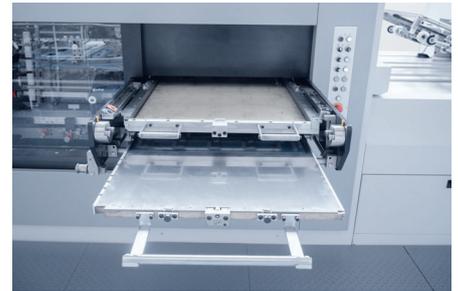
1 Non-stop feeder

- Automatic non-stop (option)
- Feeder logistics (option)
- Preset suction head and lateral guides
- Pneumatic jogger
- Mechanical double-sheet control
- Camera for checking the pallet entrance



2 Feed table

- MasterSet optical sheet alignment system
- Central adjustment of the rollers and brushes
- Ultrasonic double-sheet control



3 Die-cutting station

- Cam drive
- Cutting plate with quick-lock system
- Cutting plate fine adjustment
- Quick-lock chase for various cutting die dimensions
- Pneumatic central locking system
- Chase changer (option)
- Pneumatic opening and closing of the window

Technical data

Processable materials	Mastermatrix 106 CSB
Paper (min.)	90 g/m ²
Solid cardboard (max.)	2,000 g/m ²
Corrugated cardboard (max.)	2.0 mm (0.08 in)
Performance data	
Sheet format (max.)	760 × 1,060 mm (29.92 × 41.73 in)
Sheet format (min.)	350 × 400 mm (13.78 × 15.75 in)
Die-cutting pressure (max.)	2.6 MN/260 t
Machine speed (max.)	9,000 sheets per hour



4 Stripping station

- Integrated quick-lock systems for all tools
- Tool fine adjustment with position indicators
- Test sheet removal
- Vacuum device
- Pneumatic opening and closing of the window
- Preparation table (option)



5 Blanking station

- Integrated quick-lock system for the top tool
- Automatic non-stop and pallet change system
- Tie sheet inserter
- Vacuum device
- Camera for checking the pallet exit
- Camera for checking the waste belt
- MasterRake
- Pneumatic opening and closing of the window
- Second screen (option)



6 Sample sheet removal

- Sample sheet removal during production, completely interruption-free
- Sheet is cut, stripped and then made available

Features and benefits.

Mastermatrix 106 CSB.

Availability

Die-cutting station with

camshaft drive.

Blanking or **full sheet delivery.**

750 × 1,060 mm (29.53 × 41.73 in) format. Compatible with all Heidelberg 70 × 100 Speedmaster presses, including the **Speedmaster XL 106.**

Mounting of **third-party tools.**

Productivity



Die-cutting speed

9,000
sheets per hour.

Automatic non-stop and logistics system in the feeder and delivery.

Camera for production control located on **strategically** important points.

MasterSet for fewer stops at the feeder.

User-friendliness



Safe operation.

Confirmed by GS certification.

Sample sheet removal during production.

MasterRake for quick and easy setting of the rake in the delivery.

Clear and larger machine touchscreen.

Preset suction head and lateral guides in the feeder.

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For details on the emissions of the Mastermatrix 106 CSB, please visit us at heidelberg.com/emissiondetails

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