

KOENIG & BAUER

Ipress 106 PRO S Ipress 106 PRO SB



we're on it.

EN



Ipress 106 PRO S Ipress 106 PRO SB

The Ipress series with high automation provides the best packaging solution in die-cutting. On one hand, the Ipress 106 PRO S, with standard delivery, presents a finished product in an efficient manner. The Ipress 106 PRO SB, with blanking section, completes the series.

These models have a reduced setup time and easy handling. It offers the possibility to configure the machine with different options. This is a big advantage for the customer to adapt the machine and personalize its configuration to specific production needs.

The Ipress 106 PRO series handles a wide range of substrates from 90 g/m² to 3 mm corrugated board. There is also the possibility to work with solid board up to 1.5 mm. It can achieve a maximum speed of 8.500 sph with a high standard of quality.

Its fully automatic shaftless DriveTronic feeder – a well-proven technology from Koenig & Bauer's Rapida series – ensures optimum sheet

travel and short makeready times. Automatic pile positioning and automatic sheet separation, thanks to its feeder innovative dedicated drive technology, facilitate the perfect delivery of sheets of any substrate.

The perfect register for the ultimate die-cutting quality is provided by the unique Cut2Print register system:

With two stationary front cameras and one adjustable side camera, the system reads special marks individually printed or those integrated in the colour bar of the sheet. Cut2Print also detects die-cutting marks at the side edges of the sheet and is therefore compatible with other register marks on the market.

With Cut2Print PLUS three additional cameras recognise die-cutting marks on the reverse side of the sheet – a major benefit when processing packaging made of corrugated and laminated substrates.

The stripping station removes all possible waste resulting in a final product that is ready for the next process. The stripping frame with pneumatic locking substantially reduces makeready times and provides more accurate and efficient ejection.

In the blanking station of the Ipress 106 PRO SB, the individual blanks are placed in perfect piles and can be transported from there directly to further processing. On the Ipress 106 PRO S, the optional grip edge removal also enables piles with waste-free individual blanks.

Control of the Ipress 106 PRO series is carried out through an intuitive touch screen. Along with an IP connection system, remote maintenance can be done quickly and efficiently by our specialists.

With its maximum format of 750 x 1,060 mm the Ipress 106 PRO series is the perfect complement to Koenig & Bauer's Rapida series medium format offset presses.

Koenig & Bauer DriveTronic feeder and infeed

- Automatic lateral pile adjustment controlled by optical sensor
- Automatic non-stop system for continuous production
- Front register of the pile with automatic height adjustment

- Transport of sheets on the table by means of suction belts with variable speed controlled by servomotors to ensure perfect infeed
- Electronically controlled deceleration of the sheets for optimum arrival to the front lays
- Cut2Print register

Die-cutting station

- Pneumatic quick-lock system Fast-Flow for fast and exact fixing of the upper die-cutting tool
- Tool-free positioning of the die-cutting tools with automatic locking and unlocking of the die-chase and counterplate
- Maximum accuracy and perfect die-cutting results thanks to the step-by-step, precise fine adjustment of the die-cutting tool
- Easy-to-use and convenient machine operation based on an intuitive operating concept and clearly structured touchscreen menus
- Job-specific saving of machine settings for shorter makeready times in case of repeat jobs
- Integration into the Koenig & Bauer shop floor data collection LogoTronic

Stripping station

- Integrated upper frame with Fast-Flow quick-lock pneumatic system for dedicated tools
- Upper frame with hoist allowing unit to be raised
- Easy and fast adjustment regulators for the upper and lower stripping frames
- Pre-makeready table to prepare the next job while the machine is in operation
- Gripper opener for quality control

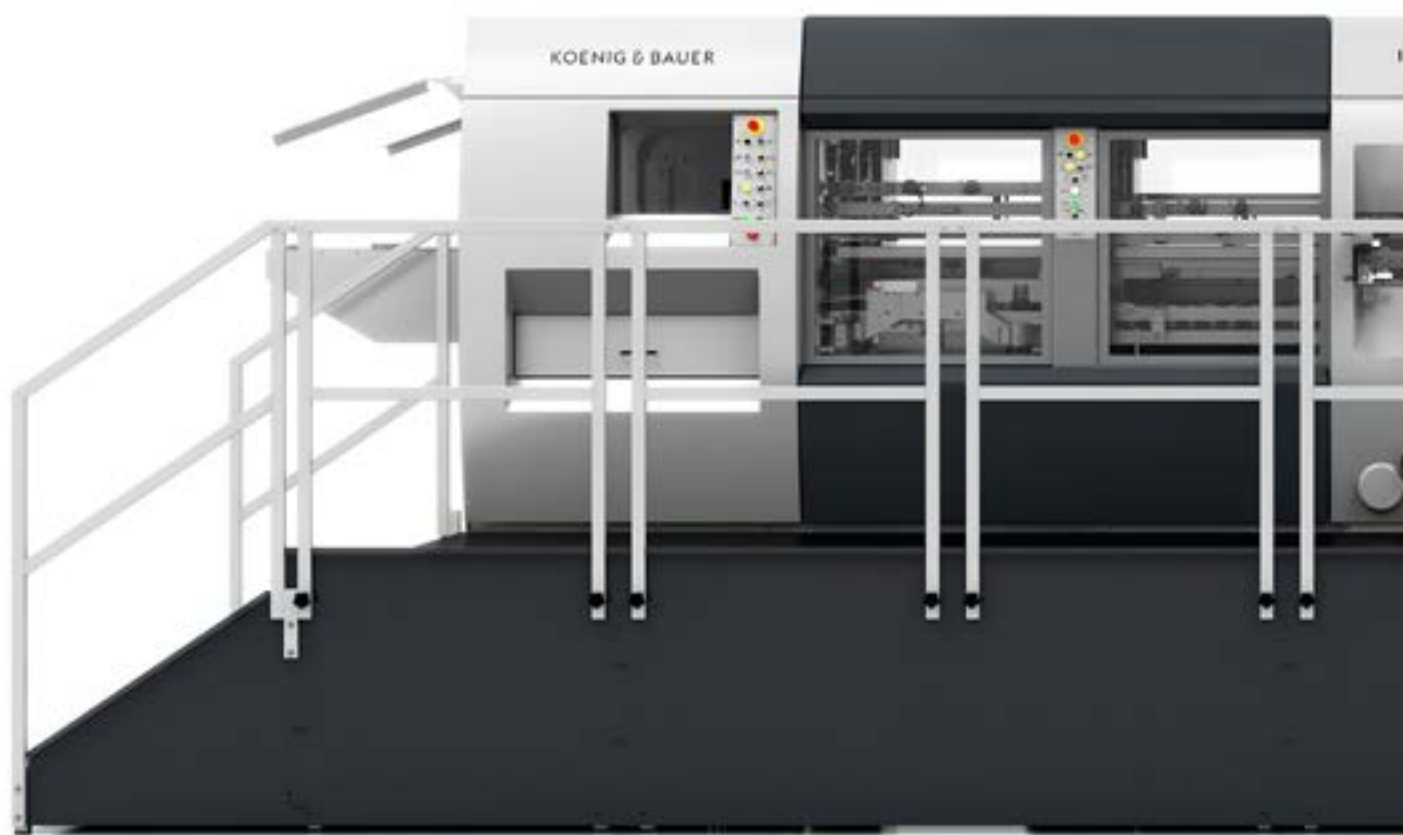
Blanking station and delivery

- Integrated upper frame with pneumatic quick-lock system Fast-Flow for fast and exact fixing of layout-specific blanking tools
- Upper frame with hoist allowing unit to be raised
- Automatic interleaving and non-stop device, easily programmable for each job through the touch screen
- Automatic gripper chain tensioner
- Automatic pallet change-over system

Standard delivery

- Full sheet frame for standard piling
- Full sheet upper tooling with magnets
- Highspeed platform for rapid pallet change-over
- Pneumatic grip edge removal system





Fully automatic Koenig & Bauer
DriveTronic feeder for smooth
operation and best performance



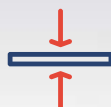
**Outstanding quality and
ultimate register accuracy**
thanks to the Cut2Print optic
register system



A wide range of automation
features for seamless production
and reduced makeready times



Ultimate ease of operation based on a state-of-the-art operating concept



Outstanding substrate flexibility from 90 g/m² paper to 1.5 mm solid board and 3 mm corrugated board



Perfect complement to the Rapida medium format sheetfed offset presses thanks to maximum sheet size of 750 x 1,060 mm



From a single source

Are you looking for the right die-cutting technology to meet all the requirements of your everyday business? Koenig & Bauer offers a broad portfolio of technical solutions for maximum performance in industrial packaging production.

The medium-format flatbed die-cutters Optima 106 and Ipress 106 PRO S as well as the large-format flatbed die-cutter Ipress 145 PRO with stripping station offer you the best pre-requisites for the cost-effective production of high-quality cardboard and corrugated board packaging.

The Optima 106 K, Ipress 106 PRO SB, CutPRO Q 106 SB, and Ipress 145 K PRO additionally feature a blanking station.

The Koenig & Bauer flatbed die-cutter family is characterised by a high degree of flexibility with regard to the materials to be die-cut, modern automation modules and a high level of operating comfort.

You can benefit from our many years of expertise in the folding carton industry. In addition to the technology itself, we offer you a wide range of services for uninterrupted packaging production and maximum availability of your machinery. From reactive service in case of emergency to preventive service to avoid downtime and machine damage.

You can also rely on us when it comes to die-cutting tools. Take advantage of the extensive know-how of our experienced application engineers and specialists. Together with our long-term partners, we will be happy to support and advise you.

Technical data

Sheet and die format	Ipress 106 PRO S	Ipress 106 PRO SB
Minimum sheet size	350 x 450 mm	350 x 450 mm
Maximum sheet size	750 x 1,060 mm	750 x 1,060 mm
Maximum cutting area	736 x 1,060 mm	736 x 1,060 mm
Range of substrates ¹		
Paper	from 90 g/m ²	from 90 g/m ²
Solid board	up to 1.5 mm	up to 1.5 mm
Corrugated board	up to 3 mm	up to 3 mm
Mechanical speed ²		
Maximum	8,500 sph	8,000 sph
Power parameters		
Voltage	400V 3~ / 460V 3~	400V 3~ / 460V 3~
Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz
Minimum power required	31 kW	32 kW
Total power installed	41 kW	42 kW
Gripper margin		
Minimum	9 mm	9 mm
Maximum	17 mm	17 mm
Pile heights		
Feeder	1,650 mm	1,650 mm
Feeder using automatic non-stop	1,430 mm	1,430 mm
Delivery	1,400 mm	1,400 mm
Basic data ³		
Maximum pressure	275 t	275 t
Total weight	23,000 kg	25,000 kg
	Ipress 106 PRO S	Ipress 106 PRO SB
Elevation of 400 mm	●	●
Elevation of 600 mm	○	○
Automatic non-stop feeder	●	●
Cut2Print register	●	●
Cut2Print PLUS	○	○
Die-chase loader	○	○
Fast-Flow quick-lock system	○	○
Full sheet delivery	—	○
Grip edge removal system	○	○
Pre-makeready table	○	○
IP remote connection	●	●

● Standard

○ Option

¹ Runnability depends on material type and quality, grain direction, stiffness, and sheet flatness² Actual production speed depends on material, sheet size, sheet layout, tooling, and environmental conditions³ Required cutting force depends on the total length of cutting and creasing rules in the layout

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