

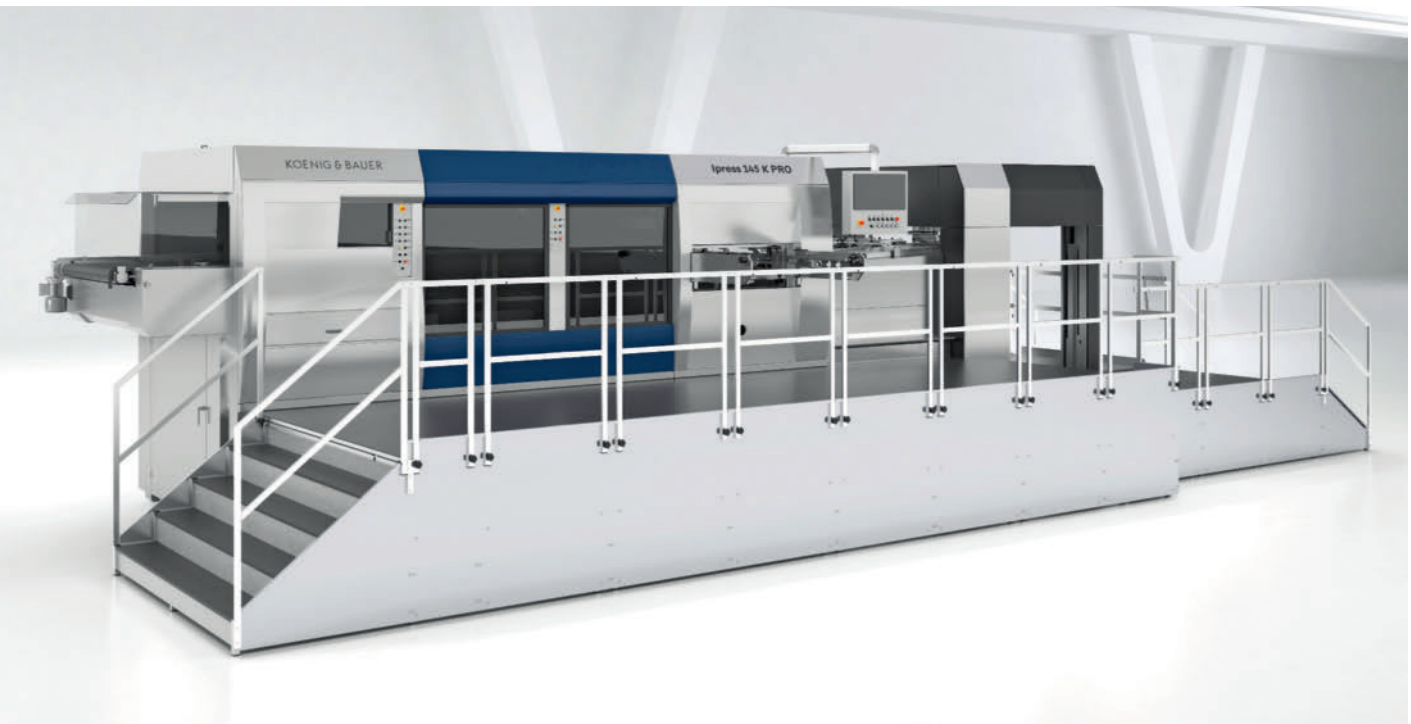
KOENIG & BAUER

Ipress 145 PRO Ipress 145 K PRO



we're on it.

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Ipress 145 PRO Ipress 145 K PRO

The flatbed die-cutters of the Ipress 145 PRO series offer the perfect solution for your efficient packaging production, thanks to its reliable die-cutting performance even with large format products.

On one hand, the Ipress 145 PRO with a standard delivery allows die-cutting, creasing and embossing in a practical and efficient way, optimizing resources. This series is completed with the Ipress 145 K PRO with blanking station, giving an integral solution to large format die-cutting.

Main achievement of this series is its performance and minimal preparation time, fulfilling the needs of customers with either high outputs or an abundance of jobs. A range of possibilities in terms of options allows for machine customization to fit the particular requirements of each customer.

The Ipress 145 machines handle a wide range of substrates, from 100 g/m² to 4 mm corrugated board, providing maximum flexibility.

The renowned DriveTronic feeder has been adapted to work with the Ipress PRO family of die-cutters, achieving a perfect box flow thanks to its innovative individual drive technology. Its automation on pile positioning and separation of sheets facilitates the perfect feeding of all substrates. High quality results are granted, with a maximum mechanical speed of 7,000 sheets/hour.

The new Cut2Print register is a groundbreaking Koenig & Bauer development providing a high accuracy and optimal die-cutting. By means of

two fixed front cameras and an adjustable side camera, the system reads the individual print marks or those integrated in the colour bar of the sheet. It also works by detecting the front and side edges, or with print marks from other manufacturers. Optionally, three more cameras can be added to read marks printed from below, ideal for working with microflute and laminated.

The solidity of the press gives an unsurpassable quality of die-cut product while the stripping station avoids the delivery of a waste resulting in a final product ready for the next process.

The finished job, perfectly stacked, can be moved quickly and easily to the next section, optimizing the production process.

Thanks to the user-friendly functionality of the touchscreen, working with the Ipress PRO series is simple and natural.

Through the IP connection system, updating and troubleshooting can be carried out remotely by our specialists.

The maximum format is 1,050 x 1,450 mm, which complements the large format offset machines of the series Koenig & Bauer Rapida series.

Feeder and transport of sheets

- 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

- Fast-Flow quick-lock pneumatic system of the die, giving a saving on makeready time.
- Micro-adjusting thin plate system
- Automatic locking of die-chase and counterplate
- Motorized adjustment of the pressure
- Oil conditioning device with temperature control
- Pneumatic window

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 Fast-Flow quick-lock pneumatic system for dedicated tools
- Upper frame with hoist allowing unit to be raised
- Full sheet delivery by means of lower frame and upper tooling quick and easy to install
- Automatic interleaving and non-stop device by means of swords, easily programmable for each job through the touch screen
- Automatic gripper chain tensioner
- Automatic pallet change-over system

Standard delivery

- Automatic non-stop apron system programmable through the touch screen
- High speed platform for rapid pallet change-over
- Pneumatic grip edge removal system





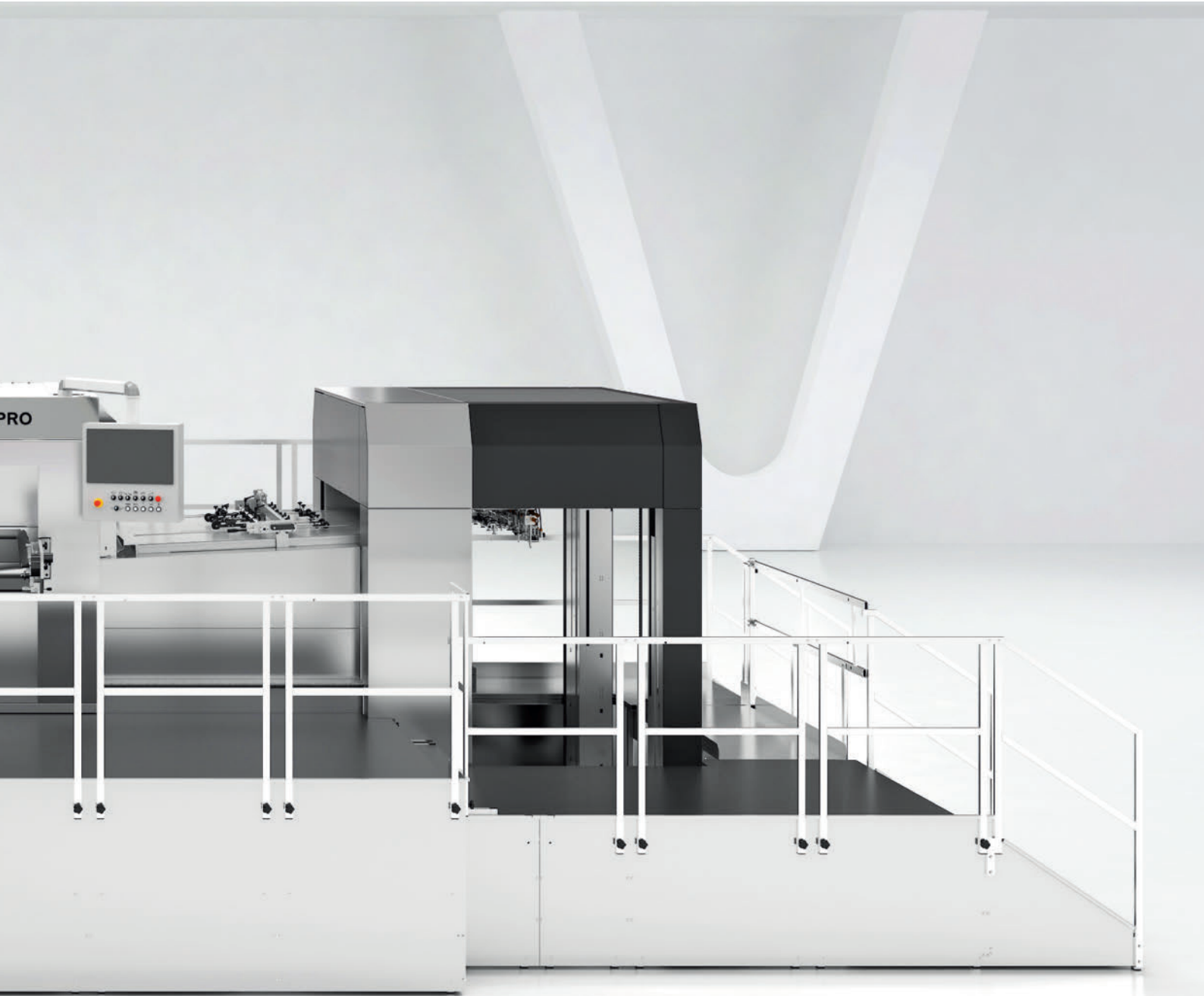
Fully automatic Koenig & Bauer DriveTronic feeder for smooth operation and best performance



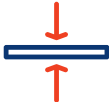
Unique Cut2Print register substantially reduces sheet trips at the infeed



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 100 g/m² paper to 1.5 mm solid board and 4 mm corrugated board



Outstanding large format flat-bed die-cutting with maximum sheet size of 1,050 x 1,450 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.

Medium-format Optima 106 and Ipress 106 PRO and large-format Ipress 145 PRO flat bed die-cutters with stripping station offer you the best prerequisites for cost-effective processing of high-quality cardboard and corrugated packaging.

Furthermore, all three models are available as Optima 106 K, Ipress 106 K PRO and Ipress 145 K PRO, which include 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 information

| | Ipress 145 PRO | Ipress 145 K PRO |
|---------------------------------|---------------------------|---------------------------|
| Sheet and die format | | |
| Minimum sheet size | 550 x 700 mm | 550 x 700 mm |
| Maximum sheet size | 1,050 x 1,450 mm | 1,050 x 1,450 mm |
| Maximum cutting area | 1,030 x 1,450 mm | 1,030 x 1,450 mm |
| Range of substrates | | |
| Paper | from 100 g/m ² | from 100 g/m ² |
| Solid board | up to 1,5 mm | up to 1,5 mm |
| Corrugated board | up to 4 mm | up to 4 mm |
| Production output | | |
| Maximum | 7,000 s/h | 7,000 s/h |
| Power parameters | | |
| Voltage | 400V 3~ / 460V 3~ | 400V 3~ / 460V 3~ |
| Frequency | 50 Hz / 60 Hz | 50 Hz / 60 Hz |
| Minimum power required | 53 kW | 56 kW |
| Total power installed | 71 kW | 74 kW |
| Gripper margin | | |
| Minimum | 9 mm | 9 mm |
| Maximum | 17 mm | 17 mm |
| Pile heights | | |
| Feeder | 2,050 mm | 2,050 mm |
| Feeder using automatic non-stop | 1,720 mm | 1,720 mm |
| Delivery | 1,635 mm | 1,635 mm |
| Basic data | | |
| Maximum pressure | 600 t | 600 t |
| Total weight | 50,500 kg | 52,000 kg |

| | Ipress 145 PRO | Ipress 145 K PRO |
|------------------------------|----------------|------------------|
| Automatic non-stop feeder | ● | ● |
| Automatic pallet change-over | ● | ● |
| Cut2Print | ● | ● |
| Cut2Print PLUS | ○ | ○ |
| Die-chase loader | ○ | ○ |
| Fast-Flow quick-lock system | ○ | ○ |
| Full sheet delivery | n/a | ○ |
| Grip edge removal system | ● | n/a |
| Pre-makeready table | ○ | ○ |
| IP remote connection | ● | ● |

● Standard

○ Option

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