

KOENIG & BAUER

# IPRESS 144 and IPRESS 144 K



we're on it.



## IPRESS 144 and IPRESS 144 K

The flatbed die-cutters of the IPRESS series offer a perfect performance for packaging production. The large format IPRESS gives an ideal solution to every portfolio of products.

On the one hand, the IPRESS 144 with a standard delivery allows you to die-cut, crease and emboss in a practical and efficient way, optimizing the resources.

This series is completed with the IPRESS 144 K with blanking facility, giving a complete solution to the die-cutting of products on large format.

It is characterized by its performance and minimal preparation time fulfilling the needs of customers with either high outputs or a lot of jobs. This series shows different possibilities in terms of options, giving a personalized configuration of the machines, fitting the requirements of each customer.

The IPRESS 144 handles a wide range of substrates from 100 g/m<sup>2</sup> to 4mm corrugated board that gives flexibility to the capacities of the machine.

It can reach a maximum speed of 8,000 s.p.h. with high quality results. The automatic positioning of the pile and the automatic separation of sheets in the feeder assist in the perfect feeding of sheets of all substrates.

The solidity of the press gives an unsurpassable quality of die-cut product whilst the stripping station removes apertures and waste resulting in a final product ready for the next process.

The work is finished and perfectly stacked and is then moved quickly and easily to the finishing section, optimizing the productive process.

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

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

The maximum format is 1,040 x 1,440 mm which complements the large format offset machines of the Series KBA Rapida.

Range of materials:

- Solid board to a maximum 1.5 mm
- Corrugated board up to 4 mm

### Feeder and transport of the sheets

- Automatic feeder
- Automatic lateral pile movement controlled by laser
- Manual non-stop system for continuous production
- Anti-static, stainless steel feed table
- Side register by inductive sensor

### Die cutting station

- Pneumatic locking of the die (Fast flow) system giving a saving on make-ready time
- Automatic window
- Automatic locking of chase and plate
- Oil conditioning device with temperature control
- Motorized control of the punching pressure
- Automatic opening of grippers at the press entrance
- Micro-adjusting thin plate system

### Stripping station

- Automatic window
- Upper frame with Quick-Lock system for the use of dedicated stripping tools
- Pre make-ready table to prepare the next job whilst the machine is in operation
- Upper frame with hoist allowing unit to be raised
- System for removal of sheet for quality control check

### Interleaving station

- Upper frame with Quick- lock system for the use of dedicated blanking tools
- Interlaying device
- Automatized system to change the pallet
- Tooling for quick and easy preparation of the upper and lower frame for use when delivering a non-blanked, full sheet (sheeting).
- Upper frame with hoist allowing unit to be raised.

### Delivery

- Automatic non- stop system with belt
- Security system CE







**Your advantages:**

- Ease of handling
- Excellent register system
- Fast make-ready
- Personalized configuration according to requirements
- 100% European manufacture
- Strong construction
  - IPRESS 144: 47,500 kg
  - IPRESS 144 K: 49,000 kg



## Broader product portfolio for the packaging market

Solutions from a single family for cost-effective production of packaging: through the acquisition of the die-cutting machine manufacturer Iberica AG, Koenig & Bauer expands its broad portfolio of products through the finishing area. In the city of Barcelona, KBA-Iberica Die Cutters S.A. builds modern die-cutters of medium and large format to a maximum sheet size of 1,040 x 1,440 mm.

Optima and IPress machine series are equipped with everything you need to produce cardboard and corrugated cartons of the highest quality. Stripping and blanking stations adapt to the individual needs of customers. This current generation of die-cutters is characterized by maximum flexibility in terms of material processing, modern automation modules and high handling comfort.

KBA-Iberica has a long experience of more than 75 years and its products are an excellent complement to the concept of KBA to become a provider of solutions for the manufacture of packaging.

# Technical information

	IPRESS 144	IPRESS 144 K
<b>Size of sheet and forme/die</b>		
Maximum	1,040 x 1,440 mm	1,040 x 1,440 mm
Maximum cutting size	1,025 x 1,434 mm	1,025 x 1,434 mm
Minimum	500 x 700 mm	500 x 700 mm
<b>Materials:</b>		
Solid board max.	1,5 mm	1,5 mm
Corrugated board max.	4 mm	4 mm
<b>Running speed:</b>		
Maximum	8,000 i.p.h.	7,500 i.p.h.
<b>Gripper margin:</b>		
Minimum	9 mm	9 mm
Maximum	17 mm	17 mm
<b>Pile Heights:</b>		
Feeder	2,000 mm	2,000 mm
Feeder using non-stop	1,600 mm	1,600 mm
Delivery	1,600mm	1,635 mm
<b>Basic data:</b>		
Maximum pressure	600 Tm	600 Tm
Total weight	47,500 kg	49,000 kg
Minimum working area required	13.6 x 7.81 m	14.42 x 8.25 m
Voltage	380 V 3	380 V 3
Minimum power required	41 kW	41 kW
Maximum power installed	60 kW	70 kW

	IPRESS 144	IPRESS 144 K
Fibre-optic side register edge of board	●	●
Motorized front lays	●	●
Lateral OPMR	●	●
Front OPMR	○	○
Automatic locking of chase a. plate	●	●
IP Connection	●	●
Grip edge removal system	●	●
Manual non-stop feeder	●	●
Automatic non-stop feeder	○	○
Fast Flow locking	○	○
Pre make-ready table	○	○
Full sheet tool	○	○

● standard

○ option

