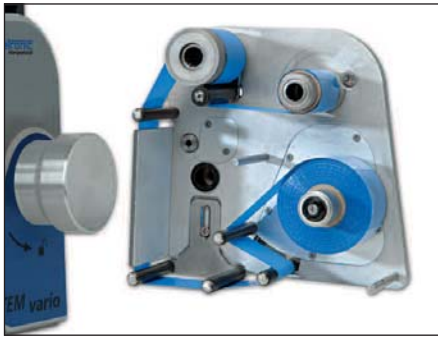




hpdSYSTEM vario hpdSYSTEM nano hpdSYSTEM magno

Hot Foil Printers from KBA-Metronic



Experts in hot foil printer design for industry since 1972

- Precise printing onto almost any substrate
- Easy integration into production lines and packaging systems
- Totally emission-free
- Easy to operate
- Simple foil changeover
- Infinitely adjustable foil feed, temperature and printing time
- Reliable plate locking for optimum heat transfer
- Stroke 8 mm
- Straight forward to maintain
- vario: exchange cassette minimises set-up time (see figure above)
- Cassette control with print switch-off foil end scanning and end sensor



Intelligent control and user friendly handling

- All required operating parameters can be set by the separate indicator and control unit with graphical LCD-display and membrane keyboard
- Operate two hot foil printers with just one control unit (see figure above)
- Optional operating status and printer configuration display via serial interface within packaging/labelling systems
- Electronic display/reporting of sensor break, high/low temperature, foil end
- Electronic foil end monitor
- Electronic PID-controller for quick heat-up time and consistent print quality
- Pulsing input PNP / NPN 5 – 26 V
- Electronic output for additional electromagnetic valve



Perfectly coordinated components and application specific options

- Print sequence control (Home sensor) (vario only)
- Warning system for foil end by scanning the foil core (vario only)
- Side plate for narrow foil
- Mounting frame (manufacturer supplied)
- Galley type holder, numerators and individual cliches
- Colored hot foils – tailored to the hot foil unit and substrate
- Adapter
- Stamping plates



hpdSYSTEM technology from KBA-Metronic / Overview:

The hot foil unit's compact design and the mounting systems developed by KBA-Metronic allow these units to be integrated into just about any automatic packaging system, labeling system and post-press machines.

All units are designed for constant use day in, day out and boast high functionality, easy operation and a long working life. Color foils are generally recognized as safe and are ideal even for sensitive product areas such as those in the food and drugs industries.

The production and working environments are not impacted by emissions of any kind (such as solvents).

Companies are therefore well set to comply with future workplace directives and regulations for limit values. The print adheres to almost all substrates including: paper, card, plastic, foils, leather, textiles etc.. It is smudge and abrasionproof and resistant to environmental influences. Products can be processed further immediately after printing.

Recommended sectors / ideal for:

- Packaging
- Food
- Dairy
- Pharmaceutical
- Cosmetics
- Cabling
- Automotive
- Plastics, chemicals
- Engineering
- Electronics
- Precision engineering





Non Stop:
precise,
fast,
reliable



Technical Data	hpdSYSTEM vario Cassette unit	hpdSYSTEM nano MiniPrinter	hpdSYSTEM magno for large print areas
	Hot foil printer cassette unit for individual product coding. The hpdSYSTEM vario is highly technically advanced, yet very easy to operate. The cassette is easily set up with foil in a matter of seconds.	Miniature hot foil printer with exceptionally small dimensions and edge-mounted print head for the use within packaging machines with minimal available space. With its small dimensions, the hpdSYSTEM nano is a high-capable and versatile unit.	Hot foil printer with edge-mounted print head and very large print area to fulfil large print requirements even until the border of each product.
Product range:	- Model H (horizontal), selectively right or left orientation - Model V (vertical, see figure above), selectively right or left orientation	- Model H (horizontal), selectively right or left orientation - Model V (vertical, see figure above)	Model H (horizontal), selectively right or left orientation
Dimensions:	142 x 285 x 166 mm, h x l x w (Model H) 206 x 190 x 166 mm, h x l x w (Model V)	144 x 237 x 127 mm, h x l x w (Model H) 270 x 88 x 128 mm, h x l x w (Model V)	188 x 282 x 168 mm, h x l x w
Printing format:	up to 30 x 50 mm	up to 15 x 30 mm	up to 50 x 80 mm
Output:	up to 1000 prints per minute, depending on material and real print area	up to 500 prints per minute, depending on material and real print area	up to 200 prints per minute, depending on material and real print area
Color foil length:	max. 305 m, ø 100 mm	max. 122 m, ø 72 mm	max. 305 m, ø 110 mm
Film feed:	2 - 30 mm – infinitely variable	2 - 15 mm – infinitely variable	2 - 50 mm – infinitely variable
Printing pressure:	580 N at 6 bar	373 N at 6 bar	1170 N at 6 bar
Drive type:	pneumatic	pneumatic	pneumatic
Air connection:	min. 4 - max. 6 bar, ø 6/4 mm	min. 4 - max. 6 bar, ø 6/4 mm	min. 4 - max. 6 bar, ø 6/4 mm
Air consumption:	ca. 0.16 l per print (at max. feed)	ca. 0.11 l per print (at max. feed)	ca. 0.25 l per print (at max. feed)
Electrical connected loads:	24 V DC (± 10 % tolerance), 130 VA	24 V DC (± 10 % tolerance), 90 VA	24 V DC (± 10 % tolerance), 160 VA
Protection class:	printer: I; control unit: protection class I, degree of protection IP 54	printer: I; control unit: protection class I, degree of protection IP 54	printer: I; control unit: protection class I, degree of protection IP 54
Temperature (infinitely variable):	323 - 493 K (50° - 220° C)	323 - 473 K (50° - 200° C)	323 - 473 K (50° - 200° C)
Heating power:	120 W	80 W	150 W
Print time (infinitely variable):	approx. 20 - 2000 ms	approx. 50 - 2000 ms	approx. 70 - 2000 ms
Reset function:	automatic reset function at cassette exchange	sliding protection with reset function	sliding protection with reset function

Founded in 1972, KBA-Metronic GmbH is a medium-sized company with approximately 300 employees and has been a wholly owned subsidiary of Koenig and Bauer AG since 2004. KBA-Metronic specializes in the development, design, production and marketing of printing, coding and marking technology.

As a total coding solutions provider, KBA-Metronic is at the fore of the very latest market developments and totally in touch with customer needs. KBA-Metronic GmbH has a consistent policy of product optimization which will secure its long term status as a leading coding technology provider.

The KBA-Metronic marking devices are used in industry worldwide. Applications for all KBA-Metronic coding technologies including laser, ink jet, hot foil and thermal transfer can be found in market sectors such as food processing, pharmaceutical and automotive – all are supplied from our facilities in Veitshöchheim.

Feeding systems from KBA-Metronic GmbH

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