

KOENIG & BAUER

betaJET DOD Inkjet



we're on it.

DE

DOD-Inkjet Printer (Drop-on-demand)

betaJET

Marking with DOD inkjet printers is the perfect solution when high-resolution results and future-proof technology, including GS1 compatibility, are very important for applying variable data directly on the production line.

The betaJET DOD-inkjet printer range is ideal for marking primary and secondary packaging made of different materials, with absorbent, porous and with non-absorbent surfaces.



betaJET	TJXe	MRX72e	HRX GS05	HRX GS10
	Thermal-DOD	Piezo-DOD	Piezo-DOD	Piezo-DOD
Printing height, mm	12,7	< 72 mm (2,8")	< 72 mm (2,8")	< 72 mm (2,8")
Printing speed, m/min	120	< 110	< 250	< 250
Printing frequency, prints/s		4	< 30	< 30
Printing resolution vertical, dpi	300 - 600	180	90 - 180	90 - 360
Printing resolution horizontal, dpi	300 - 900	180 - 720	1440	1440
Printing length, m		8	8	8
Position print head	side, top	side, top, inclined (0°- 90°)	side, top, inclined (0°- 90°)	side, top, inclined (0°- 90°)
HMI/Touch display	1,7"	7" / 10" HMI	7" / 10" HMI	7" / 10" HMI
Options				
UV-LED	✓	✓	✓	✓
external beacon	-	✓	✓	✓
Features				
Grayscale	-	-	3	7
CPE "Contrast per Element"	-	-	✓	✓
FI System "Flex Integration"	-	-	✓	✓
automatic bottle detection	-	✓	✓	✓

betaJET TJXe Thermal-DOD Inkjet

Easy operation and self-configuring 40 ml ink cartridges. This reduces operating errors. The compactness of the TJXe system enables integration even in the smallest of spaces. Water-based (absorbent), solvent-based (coated) and UV LED curing inks are available as standard.

betaJET Piezo-DOD Inkjet

You can print static and variable texts, logos, codes and much more in the highest print quality and with high resolution using binary piezo DOD inkjet printers. Choose mineral oil-free ink for absorbent materials or low-migration UV ink with compatible UV LED curing for marking smooth surfaces.

1 to 2 print heads are controlled intuitively with the 7" HMI; the alternative 10" HMI controls up to 4 print heads.

betaJET MRX72e

High-resolution piezo DOD inkjet printer, for (almost) any of application.

betaJET HRX,

High-resolution piezo DOD inkjet printer that allows prints in grayscale and contrast adjustment for each print element in the same print image is possible. The HRX models GS05 are available for 3 grayscales and GS10 for 7 grayscales.



Key advantages betaJET

- Low ink price and solvent-free printing saves costs.
- Sustainable: almost emission-free, mineral oil-free ink, low waste and low consumption.
- Self-explanatory and extremely low maintenance technology.
- UV ink for coated and non-absorbent surfaces enhances the range of applications.
- Easy integration thanks to standard brackets and interfaces.
- Automatic bottle detection secures the printing process.
- Simple print image creation with Nicelabel, UBS Designer, Codesoft, ZPL emulator
- Future-proof marking, e.g. GS1 and SmartID barcode, EPAL certified.



More Information:

<https://coding.koenig-bauer.com/en/products/dod-inkjet-systems/>

Print samples betaJET



corrugated cardboard



unpainted cardboard



varnished cardboard



wood



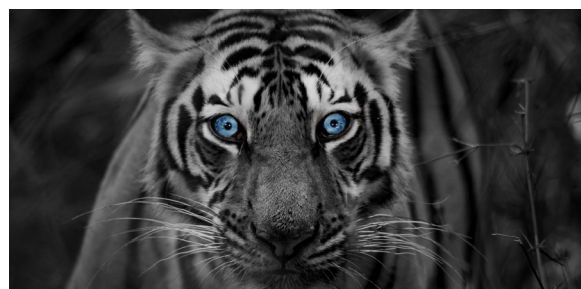
cork



styrofoam

Grayscale

The unique printing in intensity grades, *Grayscale*, takes marking with DOD Inkjet to a new level. Detailed, defined printing in monochrome color gradation graphically depicts the print image in intensity and expression. This technology leaves nothing to be desired, even for demanding print images.



Tuning - CPE (Contrast per Element)

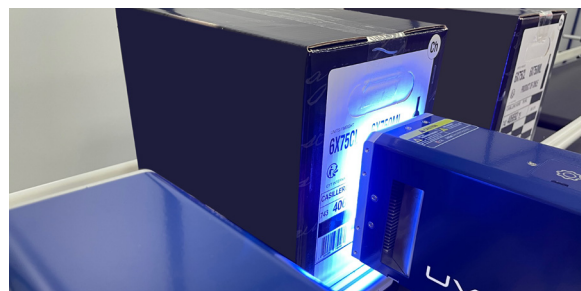
This technology enables different contrast values in the same print image, i.e. the contrast can be set individually for each element (text, barcode, logo, etc.). This increases the potential for ink savings by, for example lower contrast for text elements and higher contrast for barcode elements in one print image.



UVLED 7225 the integrated solution

UVLED ink for all non-absorbent surfaces, e.g. glass, plastic, coated material, paper, cardboard, wood, metal, etc.

The fast curing of the ink with UVLED offers even more design flexibility for product coding, e.g. cosmetics, pharmaceuticals, electronics, automotive and is particularly suitable for the most demanding production lines.



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Contact

Your non-committal inquiry by email or by telephone is the first step. Please contact us.



Analysis

Our experts will work with you to clarify your current situation and identify your demands.



Concept

According to your demands we will make you an attractive offer and, if you wish, carry out a test run in your production.



Result

If you agree with that concept, we will realise your order and support you throughout the entire implementation process.

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