



**SMART**  
CODING & LABELING

# betaJET

Thermal Inkjet (TIJ)







# We live „Made in Germany“

For over 45 years we have been developing and manufacturing high quality coding technology products at our site in Veitshöchheim, Germany. Our focus is on first-class quality, outstanding performance and all this in combination with unbeatable reliability. We're on it.

Reliability without compromises.  
**Coding**  
simple and with high-resolution.

Coding with drop-on-demand devices (DOD) is an ideal choice when your focus is on high resolution printing results while printing variable data directly on the production line.

betaJET systems offer you outstanding printing results as well as excellent reliability in everyday production. The Koenig & Bauer Coding portfolio offers models to meet your needs in every application to fulfil your individual printing requirements.

## Versatile, irrespective of industry

### Pharmaceutical, cosmetic, and drugstore products

Serialise boxes, sachets / bags made of composite materials, blister and plastic packaging with tamper-resistant features for seamless traceability throughout your production chain, high resolution, and hygienically harmless results.



### Food and packaging

The very short drying times of our brilliant coding allow you to continue processing packaging immediately. Add a date, batch number, and code to the packaging, or easily add custom special campaigns to labels.



### Print and letter shop

Simplify addressing and customisation of tickets and sweepstakes. Print variable alphanumeric and graphic codes from your database in real time and with excellent print quality.

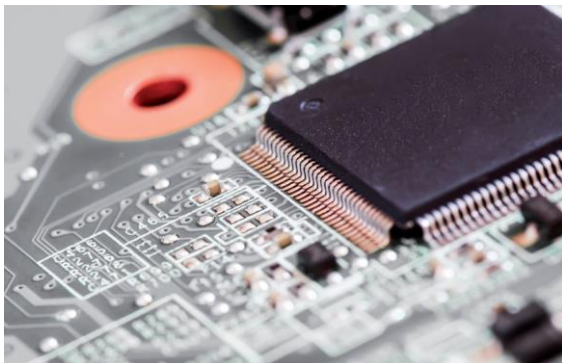


betaJET Thermal Inkjet (TIJ) code perfectly in all industries and on a wide variety of materials and surfaces.



### **Pipes and profiles**

Label metal or plastic pipes and profiles with high-resolution markings. Add your logo and production information to make your product even more unique.



### **Electronics and components**

Ensure your production quality with precise and detailed marking of 1D and 2D codes, batch numbers, symbols, and your logo. High-contrast inks with outstanding adhesive properties provide clear traceability for your products.



### **Building materials and chemicals**

Use our outstanding print quality, even in dusty or hot conditions. Our robust technology is the ideal solution for wood, bagged goods, plasterboard panels, porous foams, and much more.

Easily and quickly exchange cartridges or ink bottles to increase

**uptime > 99%**

Systems are ready to print at all times, eliminating regular maintenance intervals to increase your

**productivity  
> 20%**

With closed cartridge / ink systems, you don't need solvent, providing a

**100%  
savings**

**Is simple and clean handling important to you?**

Extremely simple operation and self-explanatory cartridge exchanges reduce user error and provide excellent uptime with absolute cleanliness.

**Interested in the best possible print image?**

The betaJET prints with an extremely high resolution of 600 x 600 dpi. The result is an outstanding print quality that can keep pace with your office printer.

# In a nutshell.

**Do you need a large printed image?**

Print heads can be freely cascaded from 1 - 4 pieces and used with just one control unit. With 4 print heads, the betaJET works up to a 50.8 mm print height. You can integrate as many lines and/or logos as you want.

**Do you have limited space in your production facility?**

The print head offers very compact dimensions, making it easy to integrate even in very small spaces. The connection cable to the separately installed control unit is 6 m long, giving you plenty of freedom.

**Is having an emission-free coding system in your production important to you?**

The ink cartridges used in the betaJET contain no MEK-based additives. The air around the printer remains fresh and clean.

**Is easy connection / control important to you?**

The betaJET can be easily connected to your machine fleet with matching interfaces. Its smart integration offers you everything you need – even in the future. In addition, you can also centrally manage, monitor, and operate all betaJET printers using the modular code-M PC software.



# Technical data

## betaJET model variations



**betaJET verso**  
Thermal Inkjet (TIJ)



verso 1 head



verso 2 head

	verso 1 head	verso 2 head
<b>Print</b>		
Print resolutions	up to 600 x 600 dpi	up to 600 x 600 dpi
Print height	12,7 mm	25,4 mm
Print speed	130 m/min	130 m/min
<b>Details</b>		
Technology	HP cartridge system	HP cartridge system
Connection print head / control unit	1 / 3 / 6 m	1 / 3 / 6 m
<b>Inks</b>		
Standard	✓	✓
High-contrast	✓	✓
Special	✓	✓
<b>Operation</b>		
Touchscreen	8,4"	8,4"
USB keyboard	✓	✓
code-M	✓	✓
<b>Safety</b>		
Protection class	IP 54	IP 54
User administration	✓	✓
<b>Dimensions (H x W x L; mm)</b>		
Housing	295 x 265 x 95, 7,5 kg	295 x 265 x 95, 7,5 kg
Print head	160 x 38 x 100, 0,4 kg	160 x 76 x 113, 0,8 kg

# betaJET thermal inkjet stand for high-resolution printing results and a high level of flexibility.



verso 3 head



verso 4 head

up to 600 x 600 dpi

38,1 mm

130 m/min

up to 600 x 600 dpi

50,8 mm

130 m/min

HP cartridge system

1 / 3 / 6 m

✓

✓

✓

HP cartridge system

1 / 3 / 6 m

✓

✓

✓

8,4"

✓

✓

8,4"

✓

✓

IP 54

✓

IP 54

✓

295 x 265 x 95, 7,5 kg

160 x 114 x 126, 1,2 kg

295 x 265 x 95, 7,5 kg

160 x 152 x 139, 1,6 kg



# Easy integration into your production line

Unique details and practical accessories  
make your coding even better



### Display

A large 8.4" touchscreen simplifies the intuitive operation of the betaJET. You can use the integrated editor to create even highly complex printed labels easily, which are displayed in WYSIWYG format on the display in addition to the remaining number of prints.

### Software solutions

Add a software solution to match your needs to the betaJET. A large number of state-of-the-art solutions come standard on your betaJET. Simplify operations and avoid errors (for instance with a hand scanner). Easily prepare texts at your desk, and control and monitor your production with one or more code-M software suite modules.

### Print head

Print heads are equipped with an ink saving automatic feature standard. "Made in Germany" manufacturing guarantees simple integration with well thought bracket systems for precise positioning.

### Cartridge change

You can exchange and lock ink cartridges in just one step from the robust, anodised aluminium cartridge holder.



### Cascading print heads

This option offers smart expandable print heights by allowing you to connect 1 to 4 print heads / cartridges of 12.7 mm each for a max. of 50.8 mm in order to create a unified overall print image.

Print example 4 print heads,  
max. print height 50.8 mm

# KOENIG & BAUER

**Vollmilchschokolade mit 12% Schokolinsen mit Zuckerüberzug.  
Kakao: 35% Kakao mindestens in der Vollmilchschokolade**

Zutaten: Zucker, Vollmilchpulver, Kakaobutter, Kakaomasse, Milchzucker, Magermilchpulver, Molkenerzeugnis, Weizenmehl, Emulgator: Lecithine (aus Sonnenblumen), Buttereifett, Stärke, Frucht- und Pflanzenkonzentrate (Färberdistel, Rettich, schwarze Karotte, Zitrone, Hibiskus), natürliche Vanillearoma, Spirulina-konzentrat, Überzugsmittel (Carnaubawachs, Bienenwachs), Invertzuckersirup.

Kann Spuren von Ei, Erdnüssen, anderen Schalenfrüchten, Soja und Sesam enthalten.

**1kg**

# More freedom in coding

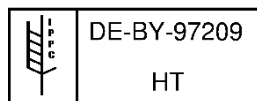
EAN 13



GTIN



IPPC Logo



QR-Code



Custom print



The printed images pictured in this overview are only provided as examples. Actual printed images will depend on a variety of factors, such as ambient conditions, substrates, surfaces, etc. We will be happy to prepare a personal print sample for your specific application.

Use the advantages of betaJET Thermal Inkjet (TIJ) technology for the highest coding quality.

Font height

1 print head / cartridge

**& betaJET**  
**& we're on it.**

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2 print heads / cartridges

**& betaJET**  
**& we're on it.**

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3 print heads / cartridges

**& betaJET**  
**& we're on it.**

---

4 print heads / cartridges

**& betaJE'**  
**& we're or**



# 5 good reasons to choose betaJET

01

Low service requirements  
optimise costs.

02

Excellent uptime of over 99 %  
provides true production reliability.

03

Simple integration and fast  
cartridge exchanges.

04

Forward-thinking, thanks to  
a large number of expansion  
options.

05

A competent global sales and  
service team supports you at  
any time.

# betaJET

## at a glance

### General technical data

#### Interfaces

- Network (TCP/IP)
- RS232
- USB (for file management)
- Potential-free programmable alarm relay

#### Operation

- Touchscreen
- User-friendly graphic user interface
- Adjustable user rights
- Modular software code-M
- Nicelabel printer drivers
- Windows printer drivers

#### Text composition

- Counter (with auto-stop function) and time functions
- DataMatrix, QR Code, Barcode, DotCode
- Characters and logos (BMP format)
- Data fields (can be filled via interface)
- Prompted fields (request input)
- True Type Fonts (international language and character diversity)

#### Product features

- Protection class IP 54
- Ink Saver, Edge Optimizer (ink saving mode)
- User management

#### Power requirements

- Mains voltage (AC) 110 - 230 V,  $\pm 10\%$
- max. power intake 150 VA
- max. humidity 80 %





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