

KOENIG & BAUER

# udaFORMAXX – Offline Coding



we're on it.



# 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.

**Uncompromisingly reliable.**  
**Coding**  
**efficient, independent and**  
**individual.**

Offline coding with our own stack-to-stack processing is ideal for applying variable data flexibly and precisely in small and medium batch sizes outside the production line.

The udaFORMAXX can be fitted with a variety of coding systems for printing on flat folding cartons, sleeves, cardboard blanks and labels. The Koenig & Bauer Coding portfolio offers you suitable models for all applications, meeting your individual coding standards.

# Versatile, irrespective of industry

## Pharmaceuticals

Serialise folding cartons and blister packs with track and trace functionality incl. camera connection. Benefit from tamper-proof coding for complete traceability throughout the production chain.



## Packaging

Process a wide range of formats such as folding cartons, sleeves, crash lock cartons, paper blanks, block bottom bags, metal lids and much more. Print dates, batch numbers and other unique codes on packaging, with easy changeover and reproducible settings. Design your product coding more individually and easily than ever before.



## Print and letter shop

Make it easier to address and individualise tickets and competition cards to appeal directly to customers. Print variable alphanumeric and graphic codes from your database in real time with a coding system of your choice.



udaFORMAXX offline coding systems perfectly individualise flat folding cartons, blanks and blister packaging with simple, quickly reproducible format changeover.



### Cosmetics and drugstore products

Create the packaging design for the POS exactly as you want, even in smaller batch sizes. Product information and codes are printed precisely and reproducibly on folding cartons and other flat materials.



### Food

Code a wide range of retail packaging just-in-time for your different product ranges. Print small and medium batches with variable data such as best before date, use by date, batch, content information, bar codes and logos, accurately positioned and just when needed.



### Textiles, components...

Code individual customer information, such as size or performance information, notes for internal logistics etc., in the required quantity, with no unnecessary stockpiling, on the packaging unit used alongside production.

Fast format setting with reproducibility for your orders enables

**uptime > 99%**

Compatible with a wide range of different coding and scanner systems to give you

**100%**  
**flexibility**

Thanks to reliable, uninterrupted operation, the attractive price-performance ratio offers

**> 50%**  
**savings**

**Do you want to produce more campaign, seasonal and special products?**

The semi-automatic offline coding system is lower-cost, safer and much faster than manual solutions. Individual information or dedications can be set up in seconds, even for small batch sizes.

**Do you want more flexibility for fast product changeover?**

The ingenious concept with adjustable settings enables you to set the magazine for feeding the printing material simply and reproducibly, to process very small to large-scale products.

# In a nutshell.

**Do you value reliable production?**

The udaFORMAXX has multiple connections as standard, so that you can select both label applicators and marking systems. By connecting scanners and camera systems, you can monitor offline production and ensure the right print on the right packaging.

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

The use of high-precision servo drives and intelligent sensors, consistently ensures accurately positioned and precise coding for your packaging units. Precise product coding complements high-quality packaging design.

**Is the production speed important to you even in offline coding?**

Separate your packs precisely and at speeds of up to 90 m/min, i.e. up to 750 pc/min. Optional double detect sensing ensures that every single product is processed correctly.

**Do you want more flexibility for fast product changeover?**

The udaFORMAXX is incredibly simple to use. The application reduces operating errors and offers you production reliability with highest availability.

# Technical specifications udaFORMAXX models

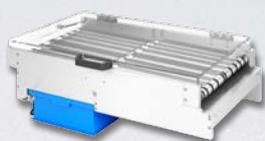
## Model versions



	udaFORMAXX i	udaFORMAXX c	udaFORMAXX c XL
<b>Operating mode</b>			
Continuous	Yes	Yes	Yes
Intermittent	Yes	No	No
<b>Performance</b>			
Output max.	750 pc./min.	750 pc./min.	750 pc./min.
Transport speed	9 - 90 m/min.	9 - 90 m/min.	9 - 90 m/min.
<b>Operation</b>			
Controller with graphic display	Standard	Standard	Standard
Parametrisation using hand scanner	Option (RS 232)	Option (RS 232)	Option (RS 232)
Control/parametrisation by PC/SPS	Option (RS 232)	Option (RS 232)	Option (RS 232)
<b>Dimensions</b>			
Dimensions L x W x H	1300 x 710 x 520 mm	1300 x 710 x 560 mm	1855 x 710 x 560 mm
Integration area for coding/inspection devices	560 mm	560 mm	1115 mm
Weight	114 kg	114 kg	130 kg
Sound level	66 dB	66 dB	66 dB
<b>Printing material</b>			
Dimensions min. W x L <i>Optional</i>	30 x 60 mm	45 x 64 mm 32 x 45 mm	45 x 64 mm 32 x 45 mm
Dimensions max. W x L <i>Optional</i>	450 x 500 mm	372 x 430 mm 372 x 500 mm	372 x 430 mm 372 x 500 mm
Material thickness min.	100 g/m <sup>2</sup>	100 g/m <sup>2</sup>	100 g/m <sup>2</sup>
Material thickness max.	7.5 mm	5.0 mm	5.0 mm

The udaFORMAXX is an economical offline coding solution for small and medium batches that can be adapted to any task quickly and flexibly.

### Accessories for process optimisation



**Reject station i**

**Reject station c**

**Outfeed tray**

**Shingling conveyor**

Yes

Yes

Yes

Yes

No

No

Yes

Yes

250 pc./min.

250 pc./min.

750 pc./min.

750 pc./min.

9 - 54 m/min.

9 - 54 m/min.

9 - 90 m/min.

9 - 90 m/min.

875 x 580 x 315 mm

875 x 580 x 315 mm

625 x 482 x 260 mm

1207 x 527 x 333 mm

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-

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-

41.5 kg

41.5 kg

10.5 kg

38 kg

76 dB (at discharge)

76 dB (at discharge)

-

66 dB



# The perfect complement to automated production

Unique details and functional accessories  
for small and medium batch sizes



**Outfeed tray**

Stacking the coded folding boxes or blanks neatly at the end of offline coding makes it easier for the machine operator to remove them.

**Shingling conveyor**

As an alternative to the stacker, the shuffle board offers larger reception capacity in continuous operation and makes product removal easier.

**Reject station**

The integration of the modular ejection unit automatically separates faulty products into a separate container and supports quality assurance through flawless production.

**Mounting brackets**

Whichever coding system you choose, we offer numerous standardised device brackets for various coding and camera systems.



**Stack-to-stack processing enables orderly feed and removal of flat print materials.**

**Operation**

Control the udaFORMAXX including the printing and coding systems via an external PC system or parameterise the entire system directly via the internal operating display. Using a hand scanner makes setting up individual jobs directly in the production environment simple and reliable.



**Display/controller**

All necessary settings can be made and the system parameterised via the 4.3" graphic display with membrane keyboard. The display also shows the latest status notification.

**In-house application department**

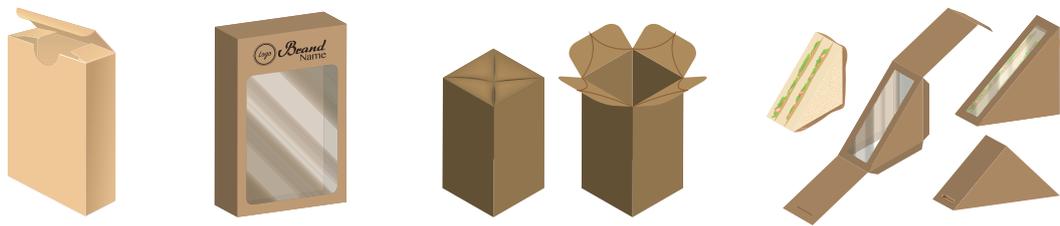
For special formats and designs, our in-house engineering expertise will help you find the optimal solution.

# More freedom in coding

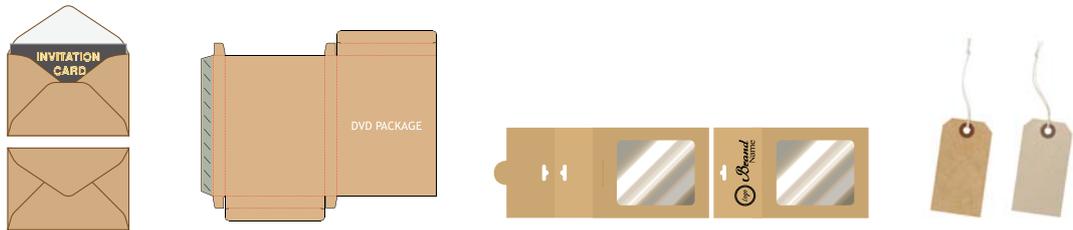
## Material diversity

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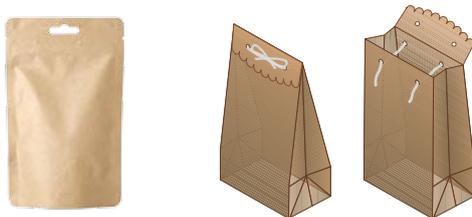
Flat folding cartons, crash lock cartons and skillets



Cardboard blanks, single sheets, paper blanks, mailing products, envelopes, ISO cards, blister cards



Flat and block bottom bags



For a wide diversity of shapes



## Coding

With alphaJET continuous inkjet

- For variable data (e.g. best before date, batch number), 1D and 2D codes, logos
- On all substrates
- Font height 0.8 - 15 mm / max. 8 lines per print head

With laserSYSTEM laser coding

- For permanent, tamper-proof labelling
- For flexible data and codes
- Economical, no consumables needed

With hpdSYSTEM hot stamp

- Simple, low-cost combination
- For best before dates, batch numbers, prices
- max. print area 50 x 80 mm

With ttPRINT thermal transfer

- For high-contrast print quality
- Graphics and variable data e.g. content, size and performance information
- Free choice and design of motif via PC

With betaJET DOD inkjet

- For individual addresses
- In outstanding print quality up to 600 x 600 dpi
- For logos, codes and graphics

With label applicators

- For precisely positioned labelling
- Compatible with coding devices

With inspection system and scanner

- Checks the print product for accuracy
- Checks coding for
  - precise positioning
  - presence
  - content of printed image

The equipment options described in this overview are only a few examples of the wide range of additions available.



# 5 good reasons to choose udaFORMAXX

01

Minimal service requirements optimise costs.

02

Excellent availability of over 99 % provides true production reliability.

03

Diversity of materials and shapes for maximum flexibility.

04

Numerous equipment options make the system easy to adapt to future changes.

05

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

# udaFORMAXX at a glance

## General technical data

### Interfaces:

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- RS232

### Operation:

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- 4.3" graphic display with film keyboard
- User-friendly user interface
- Adjustable user rights
- PC
- Handheld scanner

### Accessories:

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- Reject station
- Outfeed tray
- Shingling conveyor
- Individual parts for special formats
- Standardised mounting brackets

### Power requirements:

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- Mains voltage (AC) 115 / 230 V
- max. power input 720 VA
- Ambient temperature: 15 - 30 °C
- max. humidity 45 - 60 %, no condensation

