


# KOLB



**PACKAGING WITH A SYSTEM**

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Packaging made by  
KOLB Group



- › Family-owned company
- › Approx. 1,200 employees; 60 apprentices
- › 6 plants
- › Founded on July, 7<sup>th</sup> 1933
- › Turnover KOLB Group 2021: approx. 220 Mio. €
- › Operating performance KOLB Group 2021: approx. 250 Mio. €
- › Associations:
  - VDW – Verband der Wellpappenindustrie e. V.
  - VBPV – Verband der bayerischen Papier, Pappe und Kunststoffverarbeitenden Industrie e.V.
  - VDP – Verband deutscher Papierfabriken e. V.
  - VBP – Verband der Bayerischen Papierfabriken e. V.
  - FFI – Fachverband Faltschachtel-Industrie e. V.




# PLANTS & COMPETENCE CENTERS




## > Memmingen

HANS KOLB Wellpappe  
Headquarters  
KOLB Packaging / American Boxes



## > Amendingen

HANS KOLB Wellpappe  
KOLB DigitalSolutions




## > Buxheim

HANS KOLB Wellpappe  
KOLB Packaging / Die-cut packaging  
KOLB FlexoPrint




## > Haiterbach

HANS KOLB Wellpappe  
Premium POS-Packaging



## > Dettingen/Erms

KNAUER Offset  
KNAUER OffsetPrint

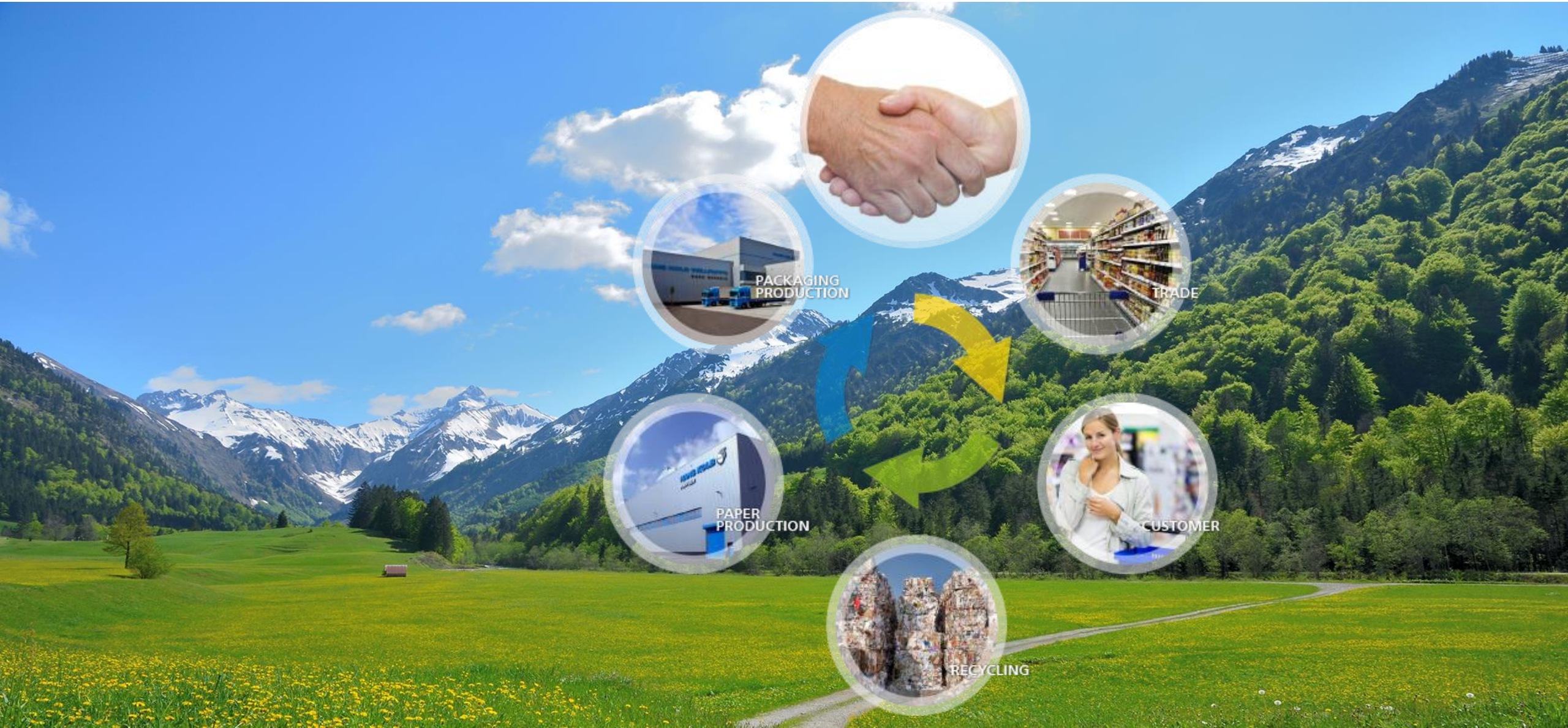


## > Kaufbeuren

HANS KOLB Papierfabrik  
Paper mill









## SUSTAINABILITY BY TRADITION

- › Closed recycling circle / regional waste paper suppliers  
(Completely converting of production and die-cutting waste at HANS KOLB Papierfabrik)
- › FSC certified products & plants
- › Certified energy management system (DIN ISO 50001)
- › Highly efficient energy supply through a CHP generator in Kaufbeuren
- › Certified quality management system (DIN ISO 9001)
- › Hygiene management system
- › Certified environmental management system (DIN ISO 14001)
- › KOLB EcoBox Blue is the first re-usable packaging solution with **Blauer Engel – German Sustainability Certificate**



- › Trustful partnership (external / internal)
- › Education: More than 60 apprentices
- › Further education: KOLB Academy
- › Strong employee loyalty to the company
- › KOLB Code of Conduct
- › Sponsor and member of the board of Kinderbrücke Allgäu e.V.
- › Regional solidarity



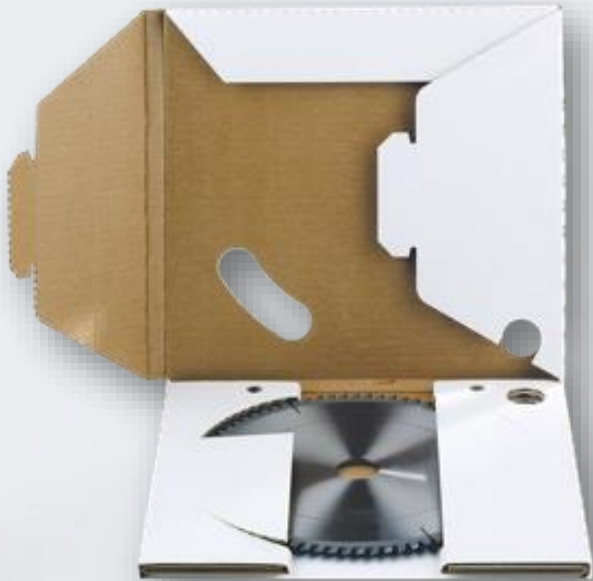


## Product Lines

- › KOLB Packaging
- › KOLB Print
- › KOLB Display
- › KOLB Coated Products
- › KOLB Logistics & Service



# TYPES OF PACKAGING



**PRIMARY PACKAGING**  
Cases & Boxes



**SECONDARY PACKAGING**  
Trays & Shelf-cartons



**Tertiary Packaging**  
Display



Transport packaging solutions with the claim:  
“Packaging for a safely & sustainably shipment“

- › RSC / American Boxes & Die-cut packaging
- › Sheets & Rolls
- › Layers & Cushioning parts
- › Dividers & Interiors



Precisely die-cutted and high-quality printed packaging solutions with the claim:

„Impressive in all disciplines“

State-Of-The-Art printing technologies for an outstanding variety

- › Flexo-PostPrint by KOLB
- › OffsetPrint by KNAUER Offset
- › DigitalPrint by KOLB DigitalSolutions





Special solutions for special needs

- › KOLB BiB: The Bag-in-Box solution by KOLB
- › KOLB SafetyStackTray: Safely stacked without any „stack-noses“
- › KOLB EcoBox: The clever plastic-bag alternative



# AWARD-WINNING PRINT QUALITY

**KOLB GROUP**



DFTA-Award





Stand-alone and shelf P. O. S. displays with the claim:  
„Highly attractive at the P. O. S.“

- › Stand-alone displays CHEP-fitted
- › Free-shaped displays
- › Shelf displays
- › Table displays



# GERMAN PACKAGING AWARD

**KOLB GROUP**



Display for wine  
bottles

Heuchelberg  
Weingärtner



Special coatings on quality cardboard with the claim:  
„Coating technologies for undreamt-of possibilities “

- › COR*pro*TRONIC, CORSTAT & CORTRONIC for a safely protection against electrostatic risks
- › CORRUST, rust protection included in the packaging solution
- › SKINBOARD for a skinny presentation and fast packing processes
- › Many more coating technologies, e.g.:
  - › Grease repellent
  - › Anti-slip or sliding
  - › ...





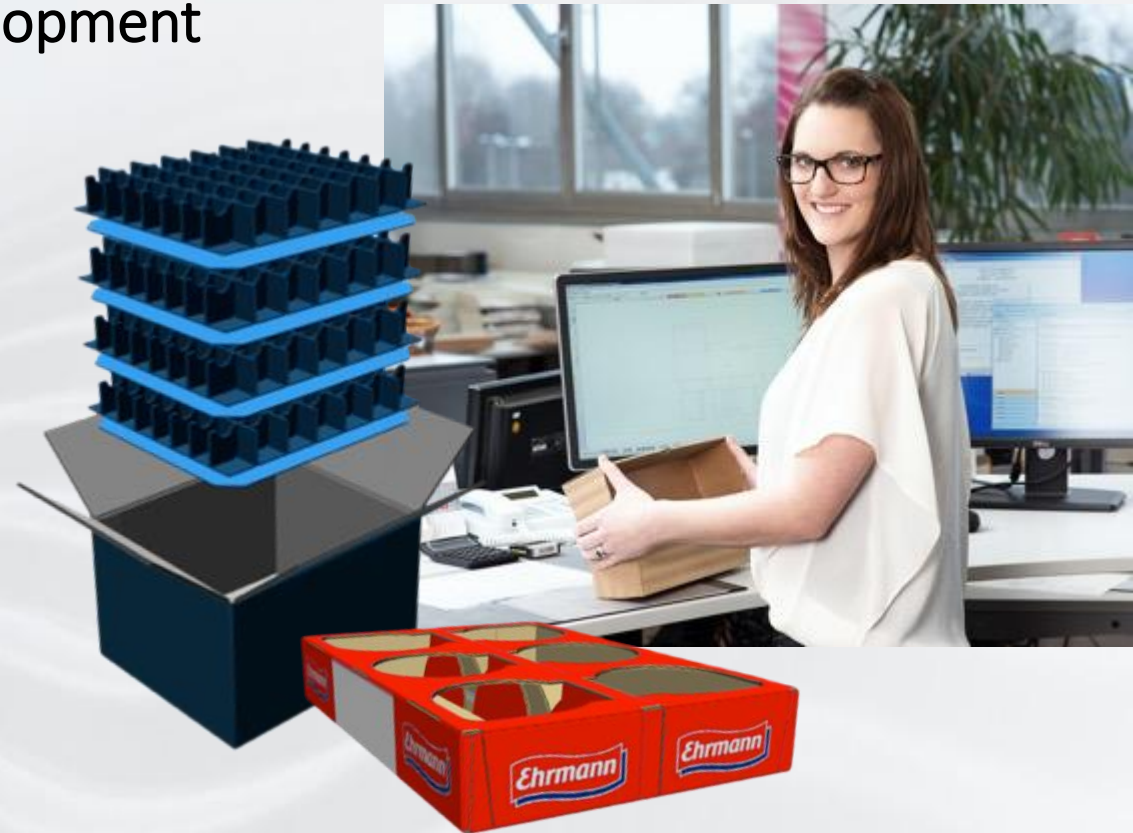
- › CORSTAT & CORTRONIC packaging systems with integrated ESD protection
- › Packaging & Trays for storage, production and logistics
- › Sustainable and durable
- › Webportal/Shop  
[www.coated-products.com](http://www.coated-products.com)



## KOLB Design / KNAUER Design – Packaging development

### Esko ArtiosCAD Workflow

- › Defined development standards for highly efficient packaging development
- › Seamless integration of existing (customer) data for CAD development
- › Real and virtual prototype development
- › Animated 3D designs



KOLB PrePress / KNAUER PrePress

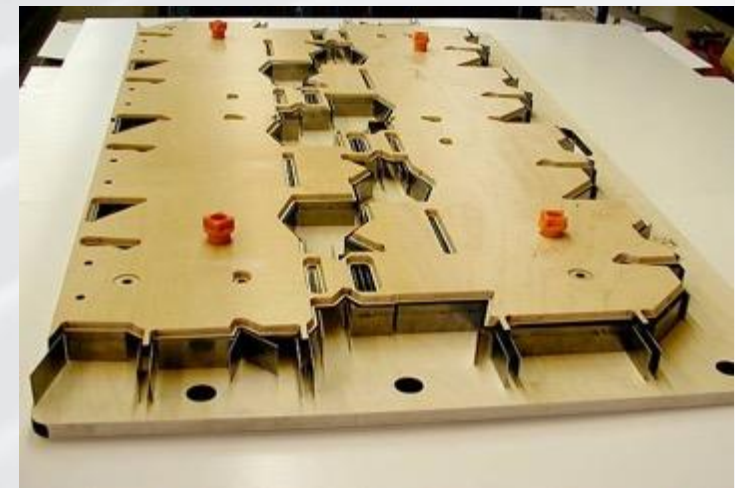
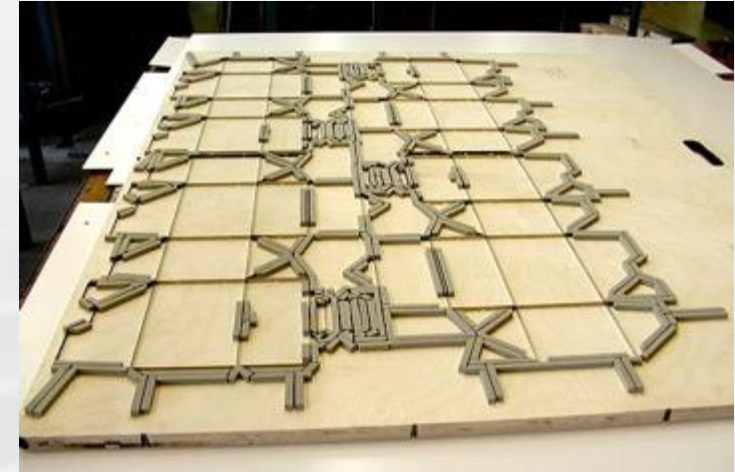
Adobe / Esko Workflow

- Data transfer / data creation / data review
- Image editing, Image analysis, retouching, composing color channel adaption
- Color management
- Coordination of various printing processes: flexo printing, offset printing, digital printing





- › Die-cut tools for flatbed and rotary die cutting technologies
- › Laser lines are provided with digitally assembled cutting and creasing lines
- › Delivery to all plants



## MATERIAL COMPETENCE – RAW PAPER

**KOLB GROUP**



- › In-house paper production
- › Closed recycling circle throughout all plants
- › Regional waste paper suppliers
- › Waste-based liners and fluting
- › Capacity: 90,000 t p.a. exclusively made for KOLB plants
- › Own energy generation (CHP generator for electricity and heat)
- › Own waste water treatment



## MATERIAL COMPETENCE – CORRUGATED BOARD



- Approx. 170,000 t of raw paper and solid board for over 350 million m<sup>2</sup> of corrugated board
- 80% recycled paper / 20% virgin fiber paper
- Specially developed corrugated cardboard architectures
- Excellent printability and strength properties
- Good look and feel



# MATERIAL COMPETENCE - INSPECTION LABORATORIS, TEST CENTER FOR DANGEROUS GOODS PACKAGING

**KOLB GROUP**



Box Crash Test (BCT)

## Several Laboratories

- › Paper mill
- › Incoming goods inspection
- › Corrugated cardboard / packaging production

## BAM test center

- › approved test center for dangerous goods packaging made of corrugated cardboard up to 55 kg

# PRODUCTION COMPETENCE – CORRUGATED BOARD PRODUCTION

**KOLB GROUP**



Buxheim Plant  
Corrugator

- › State-of-the-art - corrugators
- › Automatic sheet ejection after cross cutting
- › High system availability through internal and external maintenance programs
- › Comprehensive product range: F, E, B, C flute  
FE, EE, EB, BC flute combinations
- › Regular and single-faced flute



## PRODUCTION COMPETENCE – KOLB Flexo HD Postprint

**KOLB GROUP**

- › Several printing machines with up to 7 colors in Flexo PostPrint  
(up to 14,000 sheets/h - format up to 2,100 x 1,300 mm)
- › Dust-reduced working environment in the printing area with an in-house developed air management system
- › Spectrophotometric inline measurement systems
- › Modern color management
- › In-house cliché assembly
- › Own prepress departments



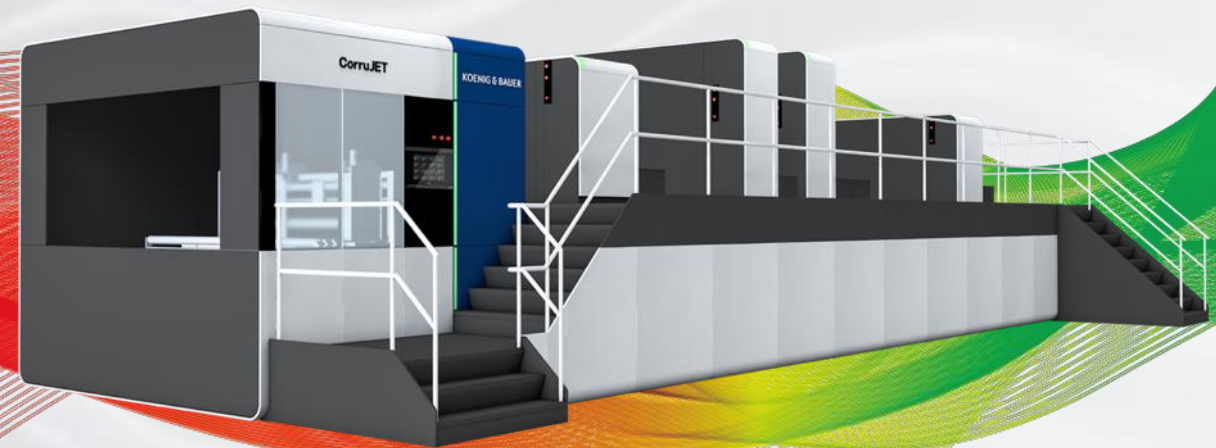


- › Innovative large format offset printing machine  
Koenig & Bauer Rapida
- › 6-color with an additional coating unit
- › Own prepress department



**HANS KOLB**   
DIGITAL SOLUTIONS

- › Up to 5,000 sheets/h
- › Resolution: 1,200 x 600 dpi
- › Min. format:  
600 x 850 mm
- › Max. format:  
1,230 x 1,700 mm
- › DigitalPrint in highest resolution
- › 100 % waterbased ink
- › 4 C + flexo varnish
- › Highly flexible



## PRODUCTION COMPETENCE – PROCESSING METHODS

**KOLB GROUP**

Wide range of technologies in packaging production

- › State-of-the-art die-cutting technology with power register, some with integrated printing units
- › Inliner production for different format classes including printing
- › Folder-gluer for efficient processing





## PRODUCTION COMPETENCE – PROCESSING METHODS

e.g .: High-performance printing / rotary die-cutting line

- › Dust-reduced working environment in the printing area with an in-house developed air management system
- › 5-color Flexo HQ PostPrint
- › Directly driven printing units
- › State-of-the-art anilox roller control
- › Power register controlled technology
- › Double die-cutting cylinder for short set-up times
- › Automatic palletizing system



SERVICE & PARTNERSHIP

KOLB GROUP





Internal logistics for efficient processes

- › Widely palletless production
- › Automatic pallet handling
- › Fully automatic connection to all warehouses





Just-in-Time delivery concepts – made-to-measure & efficient

- › Central logistics center with a fully automated warehouse at Memmingen plant
- › Further warehouses in Buxheim and Dettingen / Erms
- › Over 40,000 pallet spaces
- › Own logistics fleet with over 50 modern vehicles (EU6)



## SERVICE & PARTNERSHIP

**KOLB GROUP**

Just-in-Time delivery  
made-to-measure & efficient

- › EDI / VMI integration
- › Consulting for automated packing processes
- › Packaging development within digital dialog (WebCenter)



A large, modern industrial building with a white and blue facade. The building features the 'KOLB GROUP' logo in large blue letters on the upper left side. Below the logo, the website 'www.besser-verpackende' is written in a smaller, blue, sans-serif font. The building has a series of vertical blue stripes and a lower section with blue panels and windows. The sky is clear blue, and there is a green lawn in the foreground.

**KOLB GROUP**

[www.besser-verpackende](http://www.besser-verpackende)

„ Together with our customers, we will continue to meet all market requirements in the future and provide them with innovative support.“

Alwin J. Kolb, Angela Kolb,  
Dr.-Ing. Bernhard Ruffing

**KOLB GROUP**