

# Products And Solutions



# Better Packaging since 1933



This claim is a promise at the same time. A promise for an impressive variety of new packaging solutions every day.

As early as 1933, Hans Kolb laid the foundation for what has since become one of the most successful family-owned companies with the passion „corrugated board“. The basis for packaging solutions of the KOLB Group in own factories manufactured recycled paper and corrugated board. Basically, we are a kind of architect for the „home“ of the respective packaged goods.

Our R&D departments of KOLB and KNAUER realises constructive designs of packaging and displays are created. Here you will receive your requirement-oriented solution for almost all packaging questions.

The decisive factor for achieving your packaging goals is the know-how of over 1,200 dedicated employees at six production sites.

# Products



## KOLB Print

Our different printing technologies all pursue a common goal: They ensure that every customized package becomes a real advertising medium. This puts your product where it belongs: At the center of the customer's interest.

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## KOLB Packaging

True to our motto „far more than length × width × height“, we develop customized transport packaging. Consistently sustainable, resource-saving use of raw materials meets state-of-the-art production technologies here.

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## KOLB CoatedProducts®

Coating solutions for undreamt-of advantages. Whether electrostatic shielding and controlled dissipation of electrical energy or packaging with integrated rust protection - the handling advantages are convincing for every single packaging solution.

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## Vision

►► Together with our customers we will continue to respond to all the requirements of the market and accompany them with constant innovations.

Alwin J. Kolb, Angela Kolb and Andreas Eyd

# Packaging solutions made of corrugated board are our DNA

**True to our company motto „Besser verpacken!“, we see the growing demands of the market as our challenge.**

As a family-owned group of companies in the economic region of Allgäu, in Swabia of Baden Württemberg and the northern Black Forest, we realize much more than just packaging: we deliver solutions that meet all the wishes and requirements of our customers for a wide variety of products.

The foundation for our success was laid as early as 1933. We design and produce packaging, packaging materials and special products made of corrugated board. We see our task in meeting the ever-changing challenges of the market quickly and flexibly.

Packaging has to meet a wide variety of requirements, and the teams in our development departments always pursue a tailor-made approach. And with our revolutionary digital printing technology, we offer a highly flexible and particularly sustainable option in packaging printing.

As a manufacturer of environmentally friendly, recyclable products, all members of the KOLB Group are committed to a sustainable tradition: The careful use of raw materials has always reflected our way of working. The certified KOLB energy management is only one part of the KOLB sustainability strategy. Our environmental and quality management systems additionally underpin this.





## Sustainability

➡ Our way of working has always been characterized by a resource-saving handling of the raw materials used. This is in connection with the most modern production technologies.



# Sustainability through tradition

**Living sustainability is rooted in our corporate genes as a daily way of acting.**

We justify this, among other things, with FSC-certified products that we manufacture at all KOLB and KNAUER sites. HANS KOLB Papier pursues this self-concept as certified by independent institutions. Moreover, we have always had a compact circular flow of raw materials within our own raw paper production since edge trimmings and punching waste are directly recycled to high-quality raw paper with added waste paper of suppliers in our region.

However, this is not enough: our company culture with flat hierarchies and an extremely short decision taking process permanently keeps us on the cutting edge – however, without forgetting what we have already reached and the consequent experience. An above-average job tenure is another impressive fact which proves this.

Moreover, we socially stand by our origins: as sponsor of the "Kinderbrücke Allgaeu e. V." (association to help children) we support this organization from the beginning of their work since over the past 20 years.

One of our shareholders is also member of the committee to make decisions in order to support sick children innocently afflicted with distress here in the region. This is done without bureaucracy, with the necessary comprehension or simply with "the heart in the right place".

Speaking of region: the majority of our production and administration locations are in the "Allgaeu" region in the South of Bavaria. However, where farms used to be the most important economic mainstay in earlier times, it is now a balanced and – at the same time – specialized branch structure that characterizes the economic site of the Allgaeu.

Since our foundation in 1933, we have grown together with our customers and are proud to have many long-time business relationships. This is the basis for our requirement to continue to meet the market's growing demands in the future – since this is exactly what we understand by sustainability.





## Convincing Colours

►► Packaging is simply the visual salesperson and makes a decisive contribution to the purchase decision at the point of sale. With its KOLB PrePress and KNAUER PrePress divisions, KOLB Print offers literally pinpoint solutions.

Rainer Stoffel, Manager KOLB PrePress and  
Daniel Keppeler, Manager KNAUER PrePress



# Print

Maximum performance in all  
printing disciplines

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**HANS KOLB**   
WELLPAPPE

**KNAUER**   
OFFSET

**KOLB GROUP**  
» besser verpacken!

# Moving your product into the limelight

KOLB Print stands for packaging printing in perfection - regardless of the printing technology. Whether small logo and information prints or full-body print motifs in brilliant quality. Your product will be where it belongs: In the center of attention.

With Flexo-HD-Print and DigitalPrint from HANS KOLB Wellpappe as well as OffsetPrint from KNAUER Offset, we offer you the appropriate printing technology according to your requirements and intended use. Packaging helps to differentiate, identify and, last but not least, sell your products. What will your „printing“ message look like?

Combined sales and transport packaging can do even more: with strong, requirement-oriented corrugated board, you protect your product during logistics, storage and shipping.





## KOLB PrePress & KNAUER PrePress

Our prepress and graphics departments KOLB PrePress and KNAUER PrePress as well as the development teams of KOLB Design and KNAUER Design form the creative heartbeat of our company. In the process, we both visualize your packaging solution on CAD and with the help of real prototypes to support you in presenting your product concept from the very beginning.



## OffsetPrint

Brilliant printing and high-precision finishing are the passion for OffsetPrint made by KOLB & KNAUER. Our prepress operations guarantee consistent and, above all, reproducible quality. The special highlight: even depending on the raw material and corrugated board types used, the result always remains identical. This is a major advantage, especially for multi-part packaging variations.

## Flexo-HD-Print

The variety of print motifs and circulations are the basis for Flexo-HD-Print from HANS KOLB Wellpappe. A variety created by high-quality printing on corrugated board sheets using the latest printing equipment and state-of-the-art color management and quality assurance technology. With up to seven colors, a cardboard box becomes a packaging solution with a strong character - regardless of whether it is a simple notice, printed pictogram and number or full-surface motif and scatter print. Incidentally, these print images benefit from perfect register accuracy. Or as we call it quite simply: KOLB Print.



# Versatile guaranteed

For your packaging, it basically doesn't matter which printing process is used. What counts is printing that meets requirements in uncompromising quality. It is often the combination of different technologies that makes multi-part packaging „colorful“.

After printing is before finishing: our various printing technologies and precise converting processes are always convincing.

## Convincing

- **Color diversity with different production technologies**
- **From small to very large quantities consistent high quality**
- **Continuous color management**
- **Individuality from the start**



## Die cut precision

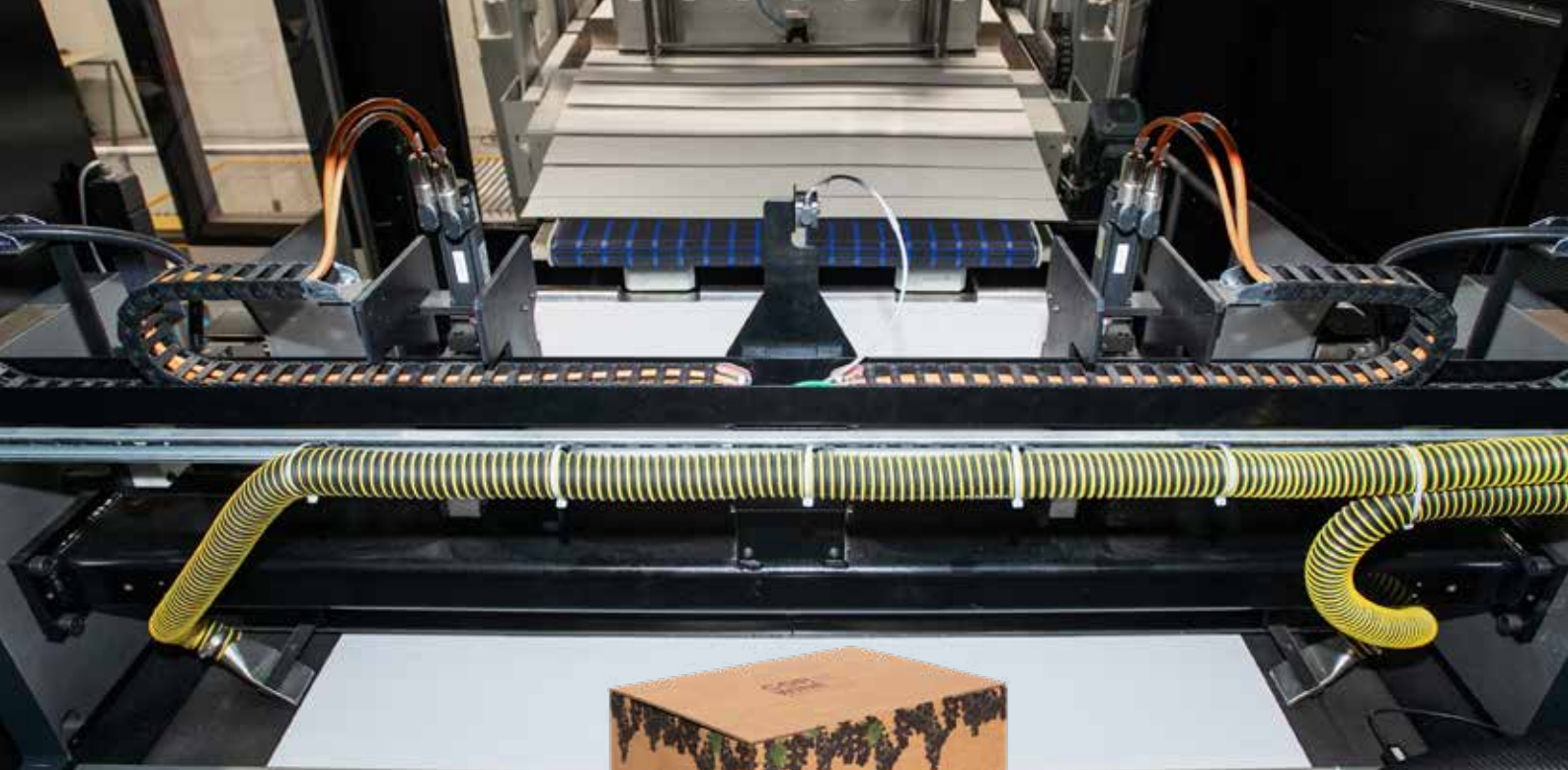
Modern machinery forms the basis for high-precision workflow of the laminated offset sheets. Special identification marks are scanned by high-performance cameras to align the sheet with millimeter precision before die cutting. The result is packaging with perfect creasing and cutting edges - just right for the perfect print image.



## Noble through special offset refinement

Even more impression is provided by finishing technologies such as partial UV coating, blind bossing and foil assembling, and attractive matt-gloss effects. How glossy and impressive will the packaging for your product be in the future?





DigitalPrint from KOLB stands for innovative digital printing on all substrates. This turns natural brown (recycled) surfaces into real eye-catchers. Highly flexible, resource-saving and within a very short time, your messages and motifs are printed on the packaging.

A special highlight is the printing on natural brown recycled corrugated board. Only this innovative printing process has made this possible and underlines the sustainable claim of your packaging solution.



### **CORMOVE**

Thanks to our highly flexible production processes and previously unimagined possibilities, our CORMOVE transport packaging range offers personalization designed just for you, even for medium runs. Proven sizes with ever new motifs are just waiting to delight your customers when they receive their parcel.

# Excellent printing quality



Award-worthy print products are already a tradition at the KOLB Group. The key to this success is simply explained. Decades of printing know-how, modern machinery, and highly motivated employees are the basis for the KOLB Group's promise: „better packaging!“

We scrutinize processes, regardless of the corresponding printing technology, and always have the success of your products in our sights. Or quite simply: KOLB Print - maximum performance in all printing disciplines.



## **Nominated four times:**

KOLB received a nomination for the coveted DFTA Award for a total of four entries. No less than two print motifs were honored by the jury's special mention.



# Attractive at the point-of-sale

Decisive for the purchase appeal and perception of your products and thus also your brand is and remains the complete appearance at the point-of-sale. Displays from KOLB help to put your product where it belongs: In the center of your customers interest.

## Handling made easy

Chutes, trays for filling products with or without regular shelf carton. Countertop displays, 1/4 or 1/2-CHEP stand displays - the types of presenters are suitable for a variety of products.

No matter whether food or non-food goods, products in bottles, cartons or blisters: use for different top trays or special die-cut blanks can easily be achieved.

## Convincing

- Monomaterial display solutions
- Freeform or in CHEP grid
- Countertop or floor displays
- Modular solutions
- Individualized standard displays
- Stable and impressive at the P. O. S.





### Convincing and impressive at the P. O. S.

Regardless of whether you opt for a colorful display solution or prefer to express your understatement with elegant black: Displays from KOLB Print are convincing all along the line. Easy to assemble, safe to transport and eye-catching in retail. Now it's your turn to really showcase your products with our displays.





### From small to BIG

Of course, shelf and counter trays also offer an excellent opportunity to make an impression at the point of sale.

Developed as a modular tray and display concept or in accordance with shelf-ready packaging (SRP) specifications, it is not only the visual impression that is decisive:

Rather, it is important to achieve the overall packaging goals in terms of stability, filling or even refilling, and general handling. There are virtually no limits to feasibility.



## KOLB EcoBox

# The clever alternative

Proven helpers for daily or weekly grocery shopping and much more have a name with us: KOLB EcoBox

The clever alternative to plastic bags is also an attractive advertising medium and is often used several times. The different versions of the KOLB EcoBox blue are particularly sustainable. As the first corrugated cardboard packaging, the KOLB Group has been awarded the German government's BLUE ANGEL eco-label. The base papers used and the innovative digital printing process from KOLB pave the way for meeting the strict requirements, and the EcoBox family from KOLB is impressive across the board.

Whether it's the EcoBox smart with its indeed smart cotton cellulose handles or the EcoBox family for the big weekly shop: they are all ecologically clever. basket look with your logo? Fully printed EcoBox with your individual message? The possibilities are endless and always consistently sustainable.

### Convincing

- Replacement of the previous shopping basket
- Conical shape for safe stacking
- Suitable for everyday reuse
- Emotional image carrier
- Recyclable material
- Environmentally friendly cardboard
- Individual printing
- State-of-the-art printing processes
- Even more sustainable: KOLB EcoBox blue, awarded with the BLAUER ENGEL











### **Sustainability in bottle packaging: KOLB EcoBox blue BOTTLE**

There is always room for six bottles in the KOLB EcoBox blue BOTTLE bottle carrier. Whether full-surface motif printing or accentuated logo staging: the particularly stable, natural brown packaging solution is not only ideally suited for beer bottles. Many other soft drinks, vinegar and oil, or all other bottled products also reach their destination safely in the KOLB EcoBox blue BOTTLE.

### **KOLB EcoBox blue FRUITS - The stackable, reusable fruit and vegetable basket**

With its homogeneous natural brown color, KOLB EcoBox blue FRUITS provides the basis for color-intensive print motifs. Digital printing from KOLB DigitalSolutions was the only printing technology to pave the way for the BLAUER ENGEL certificate.

With the KOLB EcoBox blue FRUITS and the KOLB EcoBox blue BOTTLE, two new products have been awarded the Blue Angel eco-label. They thus consistently complement the particularly sustainable KOLB EcoBox BLUE reusable shopping packaging series.




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**Even  
more sustainable,  
even  
more convincing**

## CORWINE & CORBOTTLE

# Packaging for wine, sparkling wine & Co.

With our CORWINE packaging system, you have the right packaging for almost any bottle shape and for any target group. Through individual printing with the latest printing technology from KOLB DigitalSolutions, your packaging becomes a strong character image carrier. No matter if 6-bottle carton standing or lying, 1-bottle, 2-bottle or 3-bottle gift box and in numerous other variations. CORWINE, the wine packaging from KOLB, packs your „good drop“ and above all makes you want to enjoy it.

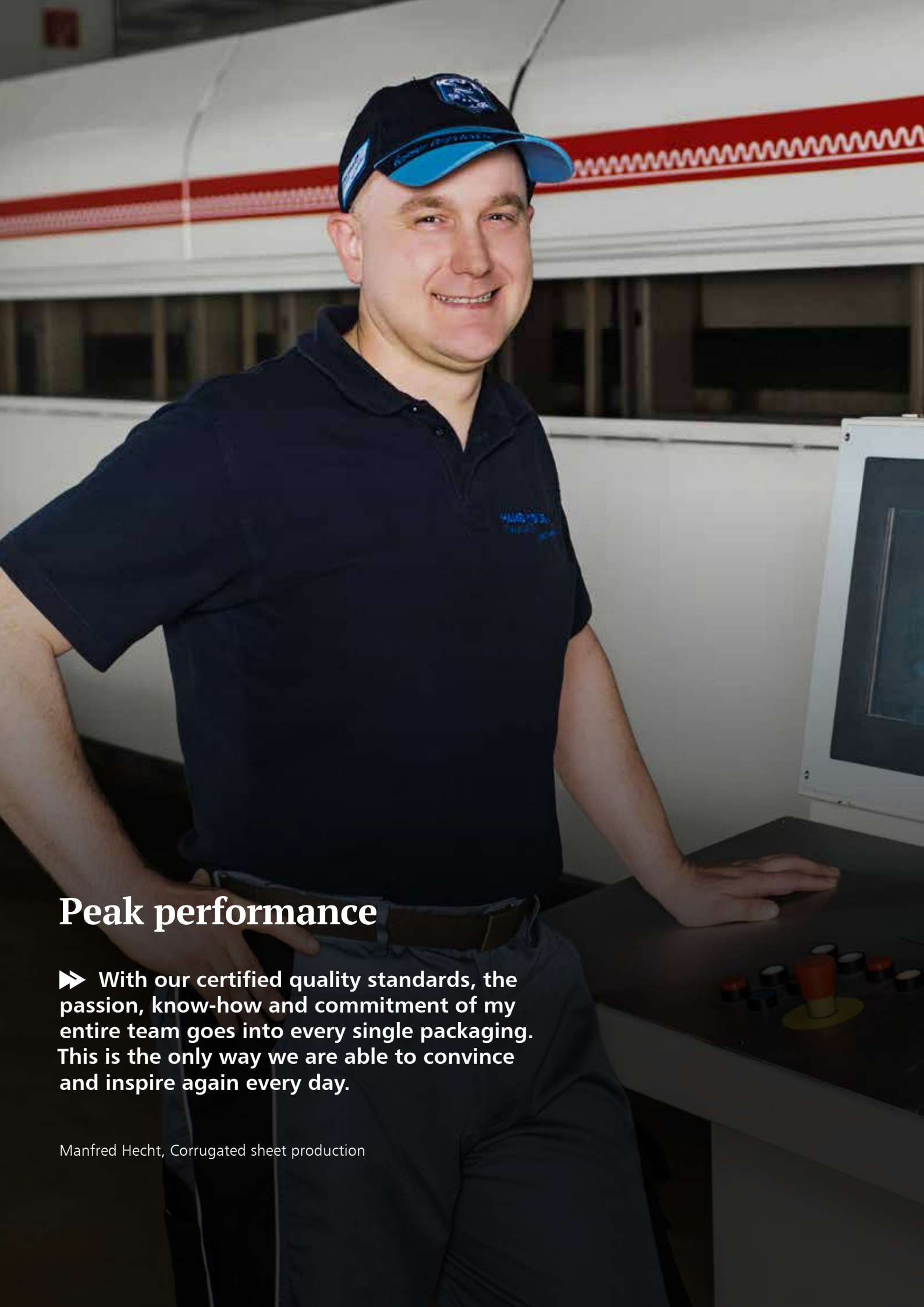
The different CORBOTTLE solutions are more suitable for bottle sizes between 0.25 l and 0.5 l. They allow you to package small bottles safely and in a particularly sustainable manner, as all variants are made of 100% recycled raw paper. Six-packs or groups of four, for example, become eye-catching, charismatic advertising media thanks to innovative and individual digital printing by KOLB DigitalSolutions. The brilliance on the natural brown recycled base papers is unique. Whether six-packs as wraparound or topper solution: We offer the customized packaging for the most diverse bottle shapes.



### Naturally brown, naturally attractive

The special appearance of CORBOTTLE wraparound packaging is convincing.





## Peak performance

►► With our certified quality standards, the passion, know-how and commitment of my entire team goes into every single packaging. This is the only way we are able to convince and inspire again every day.

Manfred Hecht, Corrugated sheet production



# Packaging

Far more than length × width × height

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# Packaging for every application

As different as the requirements for a packaging can be, as different are the packaging solutions from KOLB Packaging. American boxes, die-cut packaging, interiors, sheets, trays and much more offer your product protection during logistics, storage and shipping.

Our special material expertise comes into play right from the development stage. Finally, the selection of the respective corrugated board is made according to the best possible stability and cost aspects. Permanent control and certification of raw paper and finished products are always „standard“, so to speak, just like fast and flexible delivery.

## Convincing

- **Individual developments for maximum product protection**
- **Resource-saving use of materials**
- **Development expertise for around nine decades**



## Precision made to measure:

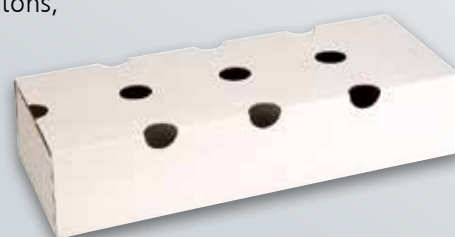
Die-cut packaging from KOLB offers maximum precision. With the most modern equipment and machines, made to measure is our top priority.



### **Precisely die-cut - perfectly packaged**

Millimeter-precise die-cut contours of a corrugated board sheet are the basis for the automatic die-cut packaging erected and glued on site in the actual production process, such as cup crates.

We guarantee the dimensional accuracy: From the first to the umpteenth millionth cardboard box. Of course, we also produce finished glued packaging on state-of-the-art processing equipment, such as self-erecting bottom cartons, shelf-ready packaging solutions, and much more.





### Outside carton - inside clever

Your product with all its attributes and requirements is always the challenge for the KOLB Design development team when developing your packaging solution. The combination of packaging and intelligent interiors simplifies logistics and offers clear handling advantages.

### Trays with impression and durability

The combination of fine flute profiles with innovative raw material papers results in an economical packaging solution. So restrained and raw material-reduced, the shelf carton protects your product and shows its true stability.



#### Did you know?

By using different interiors, often only one outer box is needed for several products or product ranges.



### Easy handling

Tear strip and self-adhesive closure for improved handling.



### E-commerce, simply flexibly packaged

Thanks to additional tear strips and self-adhesive seals, your packaging processes become even easier. Your customers' online orders can thus be packed even faster, more flexibly and, above all, securely. What follows is frustration-free opening of the shipment by the recipient.

Would you like to make returns even more convenient for your customers? An additional self-adhesive strip allows the packaging to be resealed without the need for adhesive tape.



## KOLB SafetyStackTray Renunciation for more benefits

### Safe stacking, completely without stacking lugs

The daily requirements of FMCG logistics - predominantly in the food retail and discounter segment - demand true top performance from sales and transport packaging. Even mixed pallets require the greatest possible stability for safe transport.

Regardless of whether it's a shelf tray, stacking tray or display insert tray, dimensionally accurate stackability is important both for transport and for impressive presentation at the point of sale. The SafetyStackTray from KOLB meets this need with unprecedented ease.

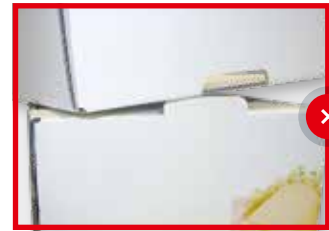
### Small corner, big effect

Thanks to the small corner connections, the SafetyStackTray is easily accessible from above at all times. This means that horizontal removal is also possible if required.



### New corner design!

The picking of different tray sizes on mixed pallets is also improved, since there are no protruding lugs interfere.



### Connecting corners:

The clever design means that conventional stacking lugs can be dispensed with.

With the SafetyStackTray, slipping during stacking or bent stacking lugs are a thing of the past. This not only saves nerves, but above all resources and thus costs.



## KOLB BIB & BIB-Hexagon

# The safe bag-in-box solution

### Market-driven and environmentally conscious

KOLB BIB is the bag-in-box system packaging with added value. Low storage costs due to flat delivery and special material specifications result in a packaging solution for liquids and pasty filling materials with previously unimaginable safety. Easy disposal speaks for an extremely sustainable packaging concept.

Whether beverages, other food or non-food products, e.g. from the chemical-technical sector, are packaged simply, safely and in a user-friendly manner. The bag contracts due to gravitational forces when the product is removed. This prevents oxygen from getting into the bag. Taste and aroma are preserved for much longer, even after the package has been opened.

### More attention at the point of sale

The new bag-in-box packaging „BIB-Hexagon“ was developed to increase attention at the point-of-sale. The new design not only attracts more attention but also provides greater load-bearing capacity.

This innovative, hexagonal basic shape increases the stability of the packaging by 27% compared to the standard bag-in-box packaging with a rectangular basic shape.





## Safely coated

►► For technically demanding packaging and logistics requirements, we at KOLB CoatedProducts® have the guaranteed protection as well as the best functionality for different areas of application. By the way, with these economical packaging systems you also actively contribute to environmental protection through sustainable corrugated board packaging.

# CoatedProducts®

Coated corrugated board for  
undreamt-of advantages

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**HANS KOLB**   
COATED PRODUCTS

**KOLB GROUP**  
» besser verpacken!



# High-tech corrugated board for your products

Multifunctional and high-tech corrugated board from KOLB CoatedProducts® is the origin of innovative packaging concepts with protective properties through unique coating technologies. Due to the modular coating structure, we also develop the tailor-made coating for you as the basis for packaging systems and applications that meet your requirements.

## Converting

- Coated products are printable in multiple colors
- Customized shape and construction
- Closure methods:  
Taping, stapling and carding
- Coated storage systems for internal and external logistics
- All products are made from renewable raw materials

## Coatings as a standard

- Electrostatic dissipative and shielding
- Corrosion-protective
- Hygienic
- Moisture resistant
- Heat resistant
- Abrasion resistant
- Sliding
- Slip-resistant

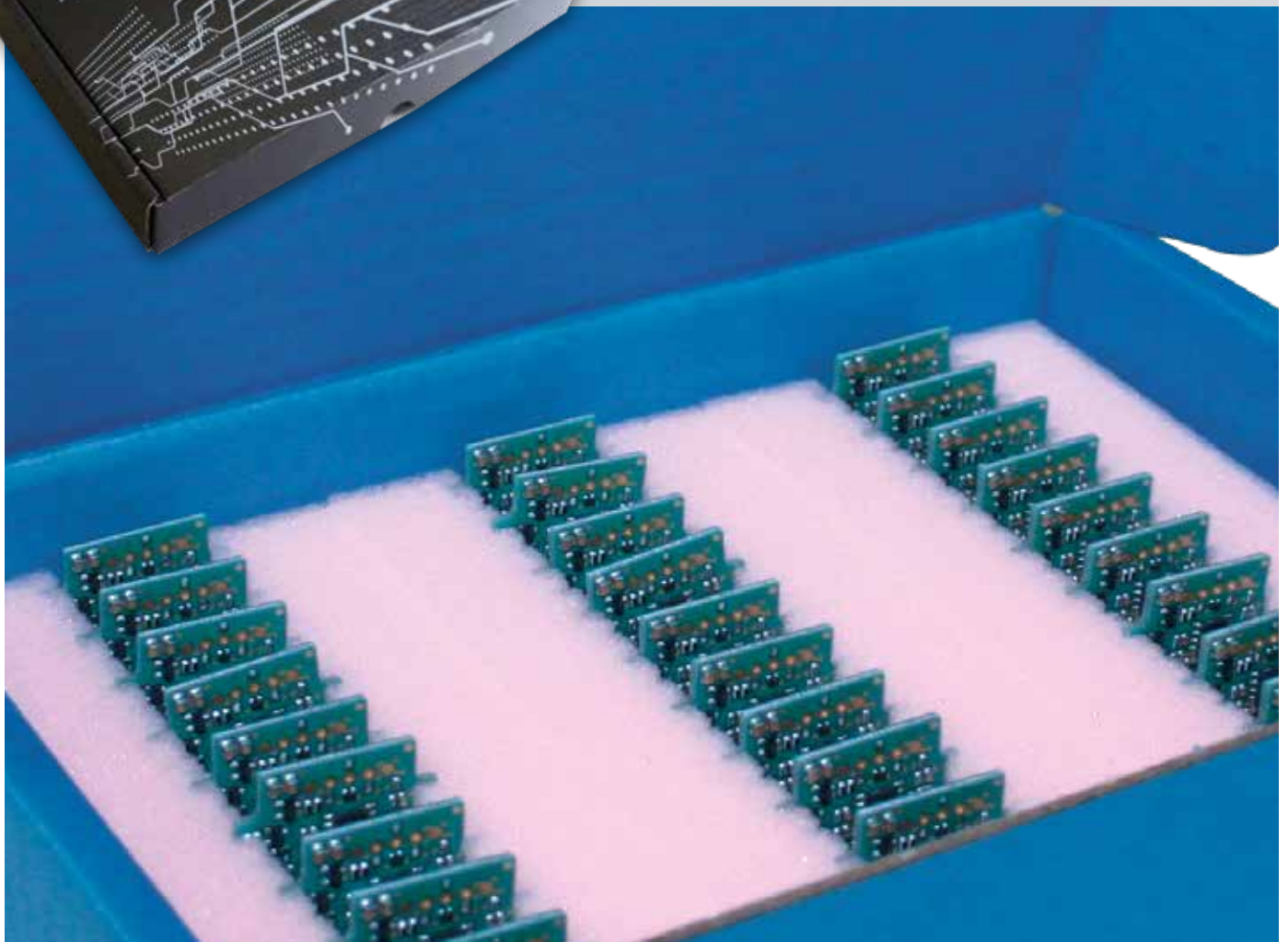


We coat individually according to your wishes!

### **Relaxation in case of overvoltage: packaging systems with electrostatic protection**

With CORSTAT™, CORTRONIC® and above all COR*pro*TRONIC® packaging systems, you get perfect protection against electrostatic discharge.

You always have safe handling with regard to controlled potential equalization. According to the functional principle of the Faraday cage, your electronic product is always protected during storage, internal logistics and shipping - both inside and outside the EPA areas.



### **CORRUST – VCI corrosion protection with a system**

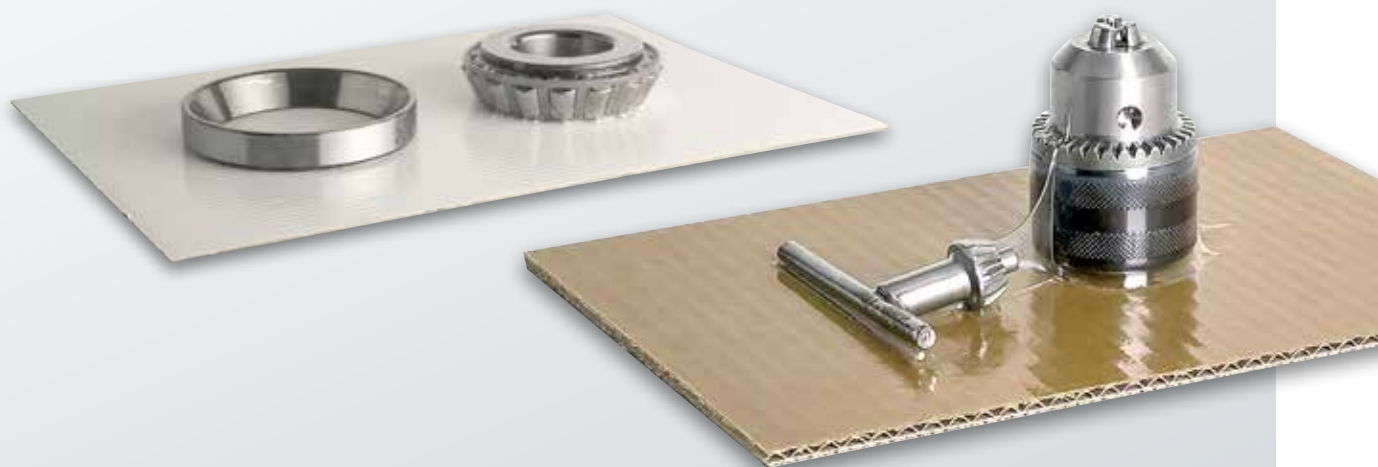
Corrosive packaged goods require special protection. VCI-coated CORRUST corrugated board effectively protects sensitive goods during storage and transport.

The coating secretes VCI molecules into the inner atmosphere of the packaging so that they are deposited on the surface of metallic goods due to their polar character (passivation).



**Always rust-free:**  
VCI-coated CORRUST corrugated board protects your products from corrosion.





### **SKINBOARD® – Presentation with perspective**

SKINBOARD® is the corrugated board with reinforced adhesion for skin film. With additional VCI corrosion protection, CORRUST SKINBOARD® is created.

With individual printing, SKINBOARD® or CORRUST SKINBOARD® is the presentation packaging that puts your product in the spotlight. The transparent skin film fixes your product skin-tight and always optimally set in scene.

### **Selection with strength:**

Available in E, B, C, EB, EE, BC and FE flute. All grades ensure high stability and guarantees no detachment of the corrugated board structure due to film restoring forces.



# Fat, moisture and more: We have something against that!

## Grease-repellent coatings

Do you need to package oily, greasy or greased products such as ball bearings safely and protectively during shipping and storage? By means of the grease-repellent coating system, no penetration of grease is guaranteed over the entire logistics and shipping period.

## Convincing

- Innovative coating technologies
- Customized solutions
- Packaging systems with enormous handling advantages

## CORTEC - Moisture repellent coating

CORTEC are the special coatings against moisture with system. No matter whether radiation-hardened lacquer or other effective coatings: the focus is on individual protection against moisture.

## Wax coating

Whether as corrugated board blanks or complete export packaging, products can be safely packed for their shipping route with special climatic stresses thanks to a special wax coating.

## The types of corrugated cardboard

F-Flute



E-Flute



B-Flute



C-Flute



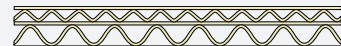
FE-Flute



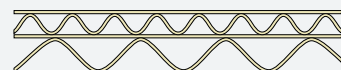
EE-Flute



EB-Flute



BC-Flute



### **Stop & Go: Anti-slip and sliding coatings**

Packaging or intermediate layers with adhesive or sliding properties are used either to secure goods during transport or, for example, to improve handling during intra-logistical processes. Two different coatings lead to different results, but they have one thing in common: Process optimization and the simplification of your processes. Abrasion-resistant coatings also help you ship even rough packaged goods safely.

### **Hard & Soft: Surface protection and transport safety for your products**

Soft coatings are used to protect surface-sensitive goods. The anti-slip effect also has a positive impact on transport safety. Painted and sensitive parts are thus shipped professionally and economically.



#### **Packaging power through variety:**

Choose your product advantage from countless coating variants. We look forward to your challenge.



# KOLB Logistics & Service

Service for professionals



**KOLB GROUP**

► besser verpacken!

## Modern logistics concepts meet just-in-time deliveries

### **Service for professionals**

Through customized production and logistics concepts, we always deliver just-in-time. Just as you wish and as your production and packaging process requires. We do this largely with over 50 trucks from KOLB Logistics' own fleet.

The center of these customized logistics solutions is the central logistics center of the KOLB Group at the headquarters in Memmingen.



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