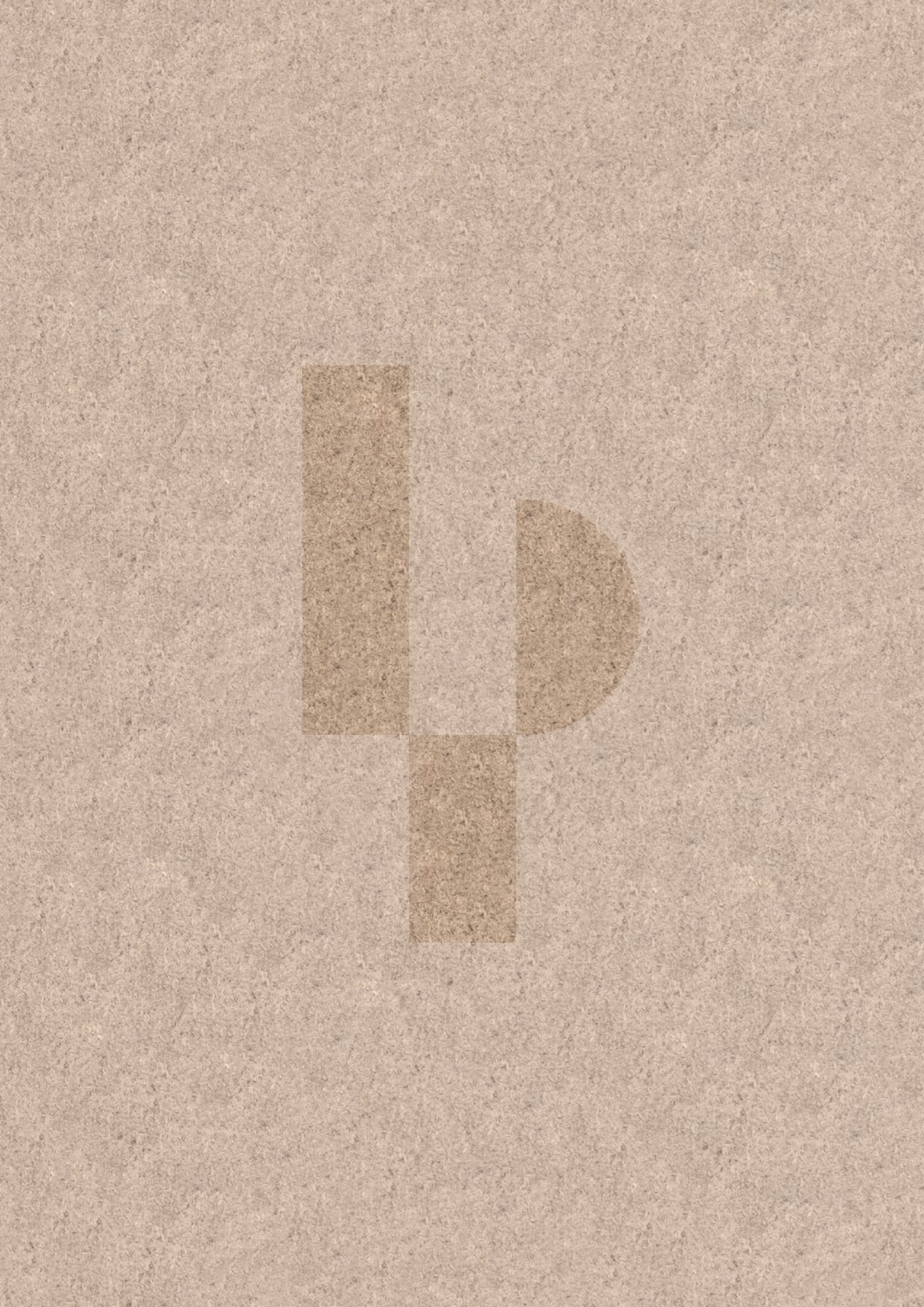




Formed to protect!



— buhl-paperform GmbH is one of the leading manufacturers of customer-specific and ecologically sound packaging solutions using recovered paper as raw material. The direction to technology leadership was specified with the installation of the first FineTec production plant in Germany as early as the founding in 1996. This landmark decision is continuously pursued and is also reflected in the regular further training and qualification of our motivated employees.

Distributed on two high capacity production sites in Burbach/Siegerland, the company has a production area today of around 5,000 m². With currently ten production lines and two finishing lines, we are one of the trend-setting and recognised companies in the area of constructive packaging solutions made of the recovered paper material. Both production sites provide our customers with a high level of supply reliability and flexibility.

Interested parties and customers of buhl-paperform benefit from a comprehensive consulting concept, starting from the joint qualified recording of the requirement and its implementation in the design phase until the support for the individually adapted logistics.

Christoph Buhl
Managing Director



The correct process for every challenge



NormTec

Molded fiber products for product protection and transport
 NormTec molded fiber products are produced from up to 100 % recovered paper and are characterised by high rigidity and stability even under strong stress. This manufacturing process focuses on the cushion and protection functions. The geometry of the molded fiber product adapts optimally to the product contour and thus guarantees reliable cushioning.

The most important benefits of the NormTec quality

- _ outstanding product and transport protection
- _ suitable for high product weights
- _ for part dimensions up to 2,000 x 800 x 200 mm
- _ grey/brown
- _ 100 % recyclable
- _ can be nested in each other



PressTec

Molded fiber products for transport protection and presentation
 During this manufacturing process, a NormTec molded fiber product is smoothed by an additional process step – the hot pressing – and brought into the final form. This significantly reduces the amount of space required for transport and storage. The smooth surface and flatness of the products ensure their interference-free automated processing. A PressTec molded fiber product is characterised by optimised handling in the packaging process and a precise fit.

The most important benefits of the PressTec quality

- _ smoother surface
- _ exact fit
- _ 100 % recyclable
- _ exceptionally easy to integrate in handling systems
- _ optimised pack density

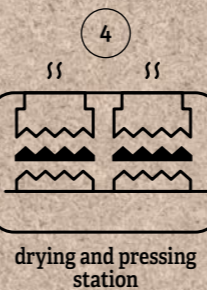
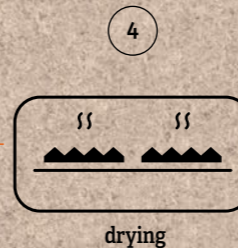
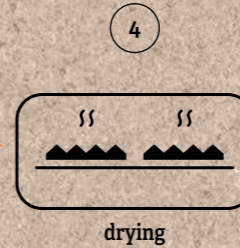


FineTec

Molded fiber products for the highest requirements
 The FineTec quality is produced from up to 100 % recovered paper. The special feature of this process is the increased strength of the molded fiber products as compared with the PressTec process; as a result, up to 30 % of the normal material usage can be saved. The smooth surfaces make FineTec molded fiber products particularly suitable for use in the fixing of products and for holding precision components in place.

The most important benefits of the FineTec quality

- _ perfect presentation and holding in place
- _ high dimensional accuracy and precision
- _ automated processing
- _ in-line highly compressed surfaces and high strength
- _ 100 % recyclable
- _ optimised pack density



Molded fiber products for every industry

Solar industry



Medical technology



Automotive



Chemicals industry



Sanitary engineering



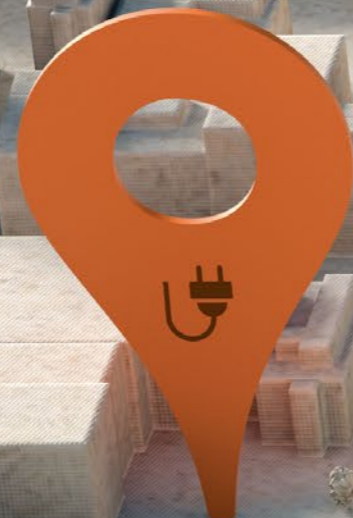
Domestic appliances



Food industry



Electronics



Furniture and fittings industry



Individual and precisely fitting

Our developments are as versatile as your requirements. We develop packaging solutions with you jointly that are individually tailored to your requirements for the product, the handling process and internal logistics conditions.

From the determination of the specific requirements for the packaging to the design and development phase to the inspection and release of a sample part and the implementation afterwards of the customised packaging solution in your company – our specialists accompany you through the entire project process of your optimal molded fiber packaging.

More references at www.buhl-paperform.de



Molded fiber cushions for inverter



Sector: solar industry
Process: NormTec
Molded fiber product dimensions: 586 x 386 x 200 mm
Product weight: 20 kg
Product: packaging concept consisting of top and bottom cushions for heavy base unit with bulky and partially shock-sensitive accessory parts. Multiple contour top cushion for accommodation of various accessory parts.



Molded fiber insert for shower set



Sector: sanitary engineering
Process: NormTec
Molded fiber product dimensions: 1,010 x 320 x 110 mm
Packaging weight: 14 kg
Product: one packaging concept for 30 different shower sets. Molded fiber insert with multiple contours for accommodation of different accessory parts.



Molded fiber cushions for vacuum cleaner



Sector: domestic appliances
Process: NormTec
Molded fiber product dimensions: 490 x 365 x 120 mm
Packaging weight: 16 kg
Product: packaging concept consisting of two side cushions. The packaging is an environmentally friendly packaging alternative to the previous EPS solution. It consists of 100 % recovered paper and guarantees the same product protection.



Molded fiber tray for contact lenses



Sector: medical technology
Process: PressTec
Molded fiber product dimensions: 130 x 110 x 25 mm
Packaging weight: 0.2 kg
Product: multi-function tray for the transport of three, six or twelve glass bottles with integrated fold-over edge for multiple packaging variants.



Molded fiber tray for food industry



Sector: food industry
Process: PressTec
Molded fiber product dimensions: 375 x 260 x 32 mm
Load capacity: 3 kg
Product: the tray designed for automated handling is used to hold six 500 g cups and provides maximum visibility of the cup with reliable holding in place at the same time.



Molded fiber insert for installation kit



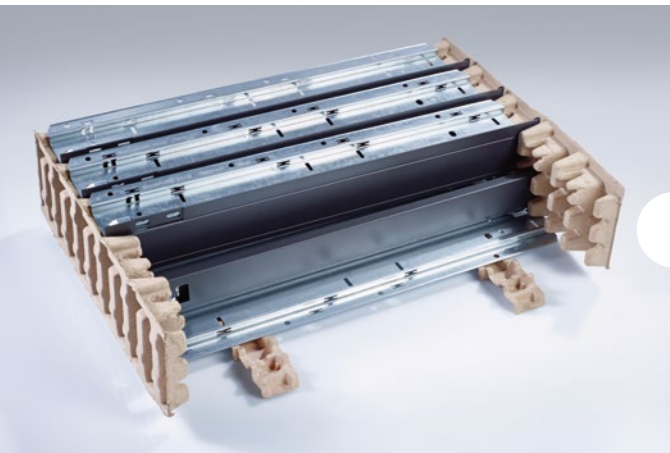
Sector: automotive
Process: PressTec
Molded fiber product dimensions: 177 x 143 x 48 mm
Product weight: 1 kg
Product: for the assembly of brake callipers, this insert protects the safety-relevant components for transport by means of clear positioning.



Molded fiber cushions for coffee machine



Sector: domestic appliances
Process: PressTec
Molded fiber product dimensions: 480 x 275 x 105 mm
Product weight: 13 kg
Product: packaging concept consisting of top and bottom cushions with pre-defined crumple zones for optimum product protection for parcel shipment. Accessories have been placed in the top packaging cushion and the product only fixed in the non-sensitive areas.



Molded fiber packaging for lacquered drawer systems



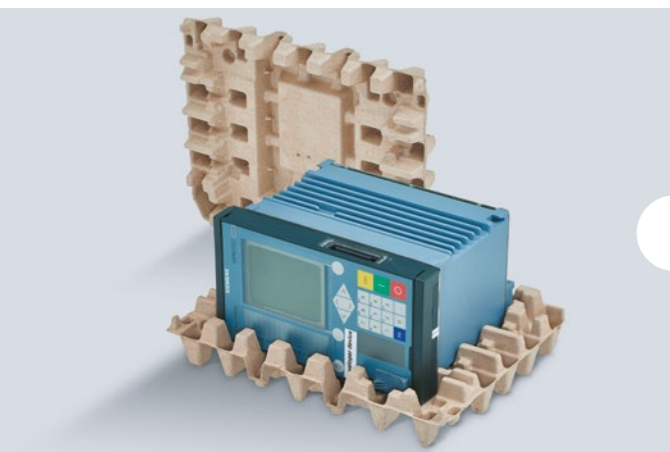
Sector: furniture and fittings industry
Process: FineTec
Molded: product-dependent
Product: the side panels for drawers are available in various height and depth variants. With this solution, the pack density is significantly increased due to the use of carefully designed universal molded fiber products. This solution is also designed for use in an automated packaging process.



Molded fiber cushions for dialysis products



Sector: medical technology
Process: FineTec
Molded fiber product dimensions: 358 x 280 x 44 mm
Package weight: 11 kg
Product: this tray has been developed to handle dialysis filters safely for packing and unpacking. Due to the tray design, the dialysis filter is fixed securely for transport both from below as well as from above in the multilayer application.



Molded fiber cushion for control unit



Sector: electronics
Process: FineTec
Molded fiber product dimensions: 362 x 288 x 63 mm
Package weight: 3.5 kg - 18 kg
Product: this inlay combines the function of the top and bottom cushions in one part and at the same time provides space for the secure positioning of accessories such as cables, connectors etc.



Pedestal for garden hose



Sector: domestic appliances
Process: FineTec
Molded fiber product dimensions: 280 x 70 x 95 mm
Package weight: up to 15 kg
Product: the molded fiber product with the smallest wall thickness supports the weight of the hose. The molded fiber product has high strength whereby the hose reels can be sold and stored upright.

Standardised and available quickly

As well as our individual packaging solutions, we have also developed many standard solutions that are suitable for many transport situations and are available at short notice and have the same product benefits as individually manufactured molded fiber products.

More examples of standard solutions can be found at www.buhl-paperform.de



_SafePac



These molded fiber products are the universally usable protection packaging made of 100 % recovered paper that is characterised by a patented damping mechanism and thus high elasticity. The damping elements of SafePac intercept pressure and impacts and thus prevent damage to the product.



_GlassPac

+liqui



A protection packaging developed for the transport of glass bottles. Many of these packaging solutions can be approved by the UN and can be used for the shipment of hazardous goods. The molded fiber product is manufactured from 100 % recovered paper.

+liqui – optionally, GlassPac can be provided with vermiculite as absorbent material.



_RollPac



Roll mountings from buhl-paperform are transport fittings made of 100 % recovered paper for the mounting of rolls and cylindrical products. Thanks to the recesses on both sides of the molded fiber product, the products are stacked and fixed on the pallet so that they cannot slide.

Formed to protect!

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