

Individual designs –  
innovative solutions

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# Technical films





## As diverse as your requirements

The potential offered by technical films from Bischof+Klein is enormous.

Numerous industries including the automotive, electronic, construction, architecture, furniture, textile, tape, and liner industries are already using our products. We are constantly developing new films with functions that are individually tailored to the respective ultimate applicati-

ons. Our extensive know-how is equally as crucial as our technical options for combining various film properties in one product.

### Use of diverse materials possible

Numerous types of plastic can be processed on our machines, equipped with various properties, and refined through the use of selected additives. The raw materials used at Bischof+Klein include:

- + Polyolefins (PE, PP)
- + Ionomers
- + Copolymers (EVA, EBA, EMA)
- + Polyesters
- + Thermoplastic elastomers (TPC, TPO, TPS, etc.)
- + Bioplastics

### Blown and cast film extrusion

Maximum film quality thanks to:

- + Top raw material quality
- + Production optimization for minimal specking level
- + Clean production environment
- + Optical inspection systems

# Our markets



## Films for lamination

No matter which lamination process our customers need, they will find it at Bischof+Klein. Be it adhesive, extrusion, ultrasonic, hot melt, or thermal lamination – our films for lamination are used in the construction sector, in the textile and automotive industries, and in numerous other markets. We equip films for lamination with bespoke properties according to the customer's specific requirements.



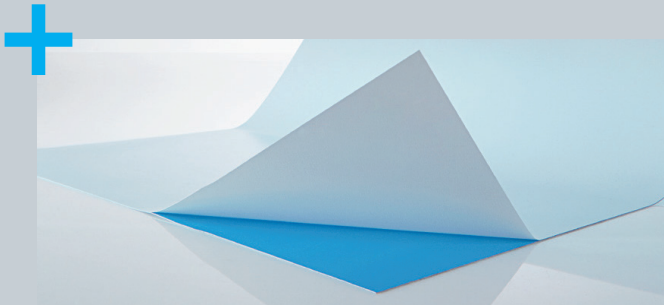
## Separating films

Separating films protect high-quality surfaces on reels or during stacking, for instance. This prevents transport damage and ensures unproblematic further processing. Low-specking separating film from Bischof+Klein has been used successfully for high-gloss aluminum material on reels for numerous years, for example. Bischof+Klein develops and modifies the films and their surfaces for diverse markets and products by means of co-extrusion.



## Substrate films for adhesive tapes

Substrate films from Bischof+Klein can be used virtually anywhere. Examples include adhesive tapes for the construction sector, the automotive, or the graphical industry. Their features are equally diverse: We dye and print the substrate film individually, lend it mechanical properties that make it highly elastic to highly stiff, ensure that it is UV-stable, or modify the surface entirely according to our customers' wishes.



## Liners

No matter which lamination process our customers need, they will find it at Bischof+Klein. Be it adhesive, extrusion, ultrasonic, hot melt, or thermal lamination – our films for lamination are used in the construction sector, in the textile and automotive industries, and in numerous other markets. We equip films for lamination with bespoke properties according to the customer's specific requirements.



## Thermal lamination films

Separating films protect high-quality surfaces on reels or during stacking, for instance. This prevents transport damage and ensures unproblematic further processing. Low-specking separating film from Bischof+Klein has been used successfully for high-gloss aluminum material on reels for numerous years, for example. Bischof+Klein develops and modifies the films and their surfaces for diverse markets and products by means of co-extrusion.

## No two films are alike

Our diversity, our production capacities, and our know-how in the production of technical films are tailored precisely to your individual requirements. This enables films to be variably provided with the following properties:

- + Dyeing
- + Resistance to weathering (in terms of UV, temperature, and humidity)
- + Mechanical properties (from stiff to elastic)
- + Gas permeability (from impermeable to vapor permeable)
- + Flame retardancy
- + Electrical conductivity
- + Sliding friction properties
- + Melting temperature
- + Surface finish

# Product protection for a livable future

## Sustainable product development. Shared commitment..

We are leading the way in the protection of our environment: We bring our innovativeness and feel for the market to bear in order to sustainably and proactively transform films and packaging. Our technical films can be produced with reduced thickness, in recyclable

variants, and with recyclate content. Together with you, we improve your products' carbon footprint and optimize your environmental performance. We are committed to product-related environmental protection through the following measures, etc.:

### Target of zero waste:

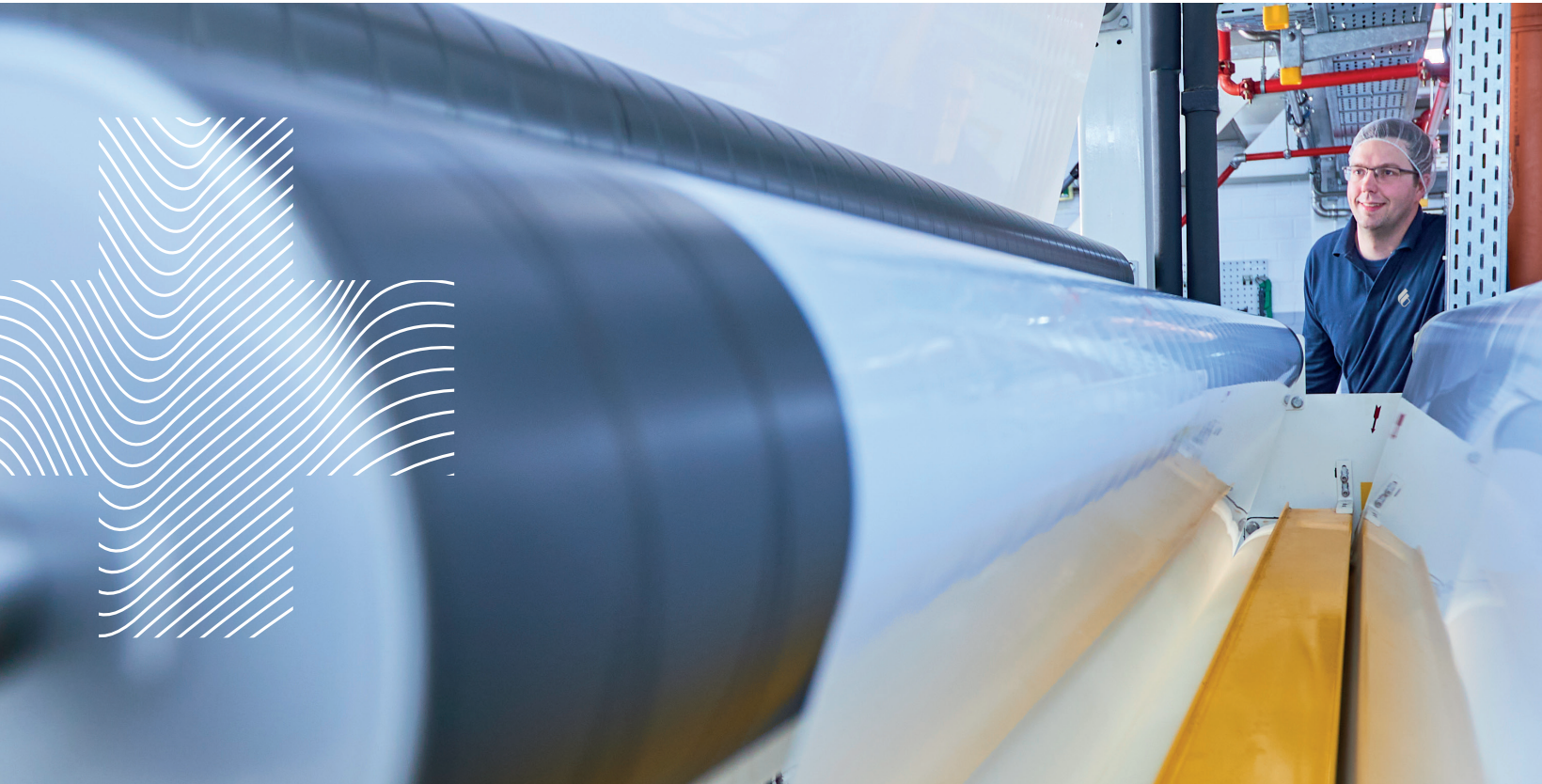
- + Reduction of raw material use
- + Reduction of film thicknesses
- + Minimization of start-up and production scrap

### Circular economy:

- + Increased recyclate use and content
- + Optimization of recyclability
- + Most extensive possible closure of the material cycle by improving the sorting of material flows

### Decarbonization:

- + Development of film alternatives with an optimized carbon footprint



## Improve **your** value adding

We are continuously and proactively evolving our portfolio: for innovative films that are already implementing tomorrow's requirements today. With us, you benefit from leading know-how, a high manufacturing depth, and solutions that match your application to perfection.



Find out more about  
technical films from  
Bischof+Klein.

[https://www.bischof-klein.com/  
en/product/technical-films](https://www.bischof-klein.com/en/product/technical-films)

[www.youtube.com/user/  
bischofundklein](http://www.youtube.com/user/bischofundklein)

[de.linkedin.com/company/  
bischof-klein](https://de.linkedin.com/company/bischof-klein)



Our versatility in manufacturing technical films is tailored precisely to our customers' individual requirements.



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