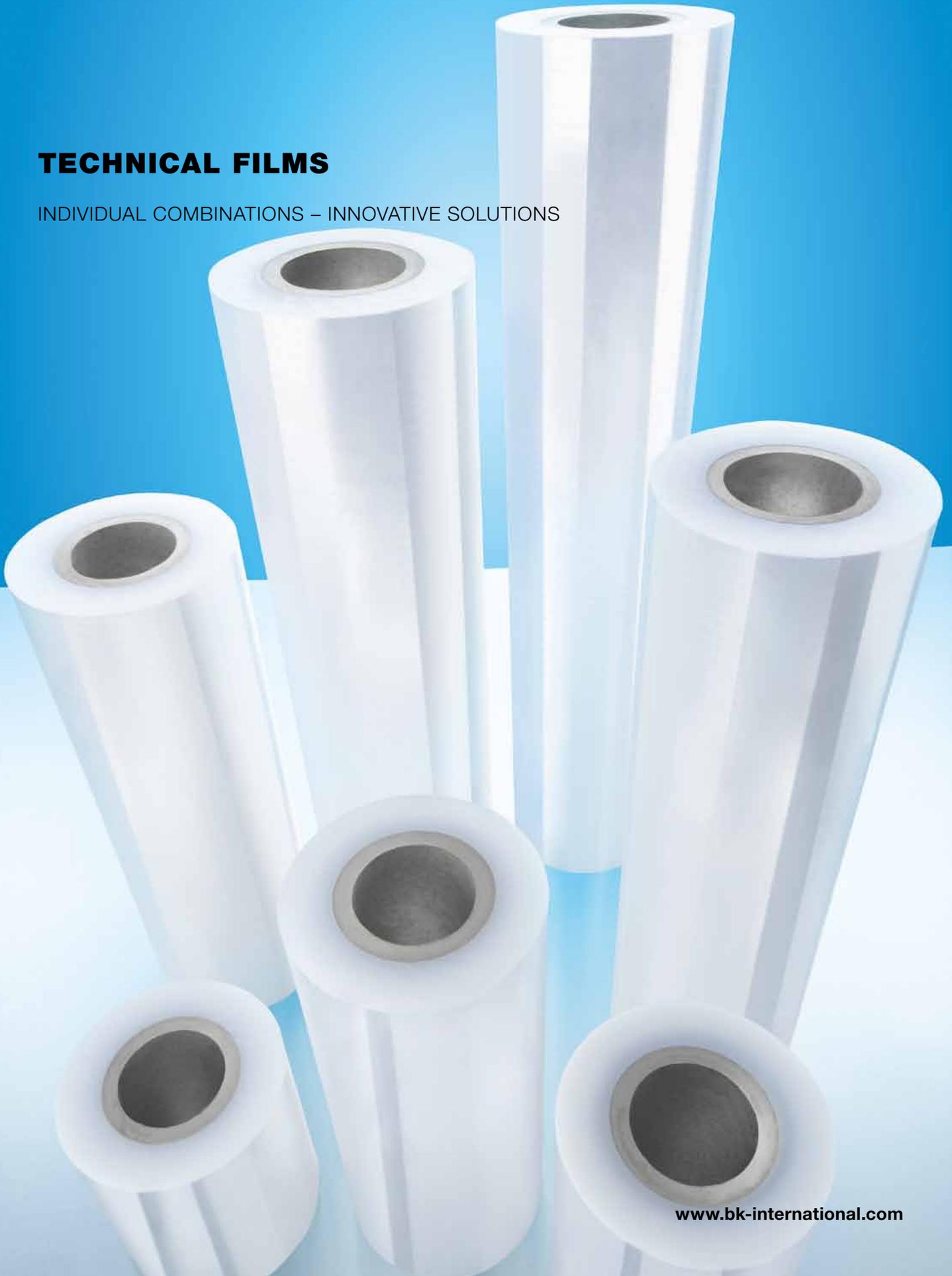


WE ARE FLEXIBLES

TECHNICAL FILMS

INDIVIDUAL COMBINATIONS – INNOVATIVE SOLUTIONS



AS VARIED AS YOUR REQUIREMENTS

The potential offered by technical films from Bischof + Klein is enormous. Numerous industries are already using our products. These include the automotive, electronics, construction and architecture, furniture manufacturing, photovoltaic, product protection and textile industries. And we are constantly developing further films with numerous functions, individually tailored to the respective, intended uses. Our extensive know-how is equally as crucial as our technical options for combining various film properties in one product.

FILMS CAN BE MANUFACTURED USING DIVERSE PLASTICS

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 B+K include:

- PE (LD, MD, HD, LL, etc.)
- PE copolymers (EVA, EBA, EMA, EAA, EVOH, etc.)
- PE terpolymers (e.g. EMA-g-MAH)
- PP and PP copolymers
- TPE (TPE-E, TPE-O, SEBS, SIBS, etc.)
- Ionomers
- COC
- Bio-plastics (based on replenishable raw materials, biologically degradable)

THERE ARE
NO LIMITS TO
MATERIAL DIVERSITY.

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 equipped variably in terms of the following properties:

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

OUR MARKETS



Films for lamination

FILMS FOR LAMINATION

- Suitable for adhesive, extrusion, ultrasonic, hot-melt and thermal lamination
- Outstanding lay flat properties and tolerances
- Bonding of metal, glass, non-woven material, textiles and many other materials
- Multi-ply film structure (co-extrusion)
- Modified film surfaces for optimal adhesion
- Use in the construction sector, textile or automotive industries, etc.



Backsheet films

BACKSHEET FILMS FOR PHOTOVOLTAIC MODULES

- Extremely resistant to weathering (in terms of UV, hydrolysis and temperature)
- High dielectric strength
- Barely flammable
- High solar radiation reflection
- Outstanding adhesion on EVA



Separating films

SEPARATING FILMS

- For protecting high-quality surfaces on the reel or in the stack
- Avoidance of transportation damage
- High-quality films with optical sheet inspection
- For high-gloss material on reels in the metal industry



Substrate films for adhesive tapes

SUBSTRATE FILMS FOR ADHESIVE TAPES

- Multi-ply film structure with modified surfaces
- Highly elastic to stiff
- Can be dyed and printed as required
- Gas-proof to vapour permeable
- Resistant to weathering
- Use: construction sector, automotive or graphical industry



Liners

LINERS

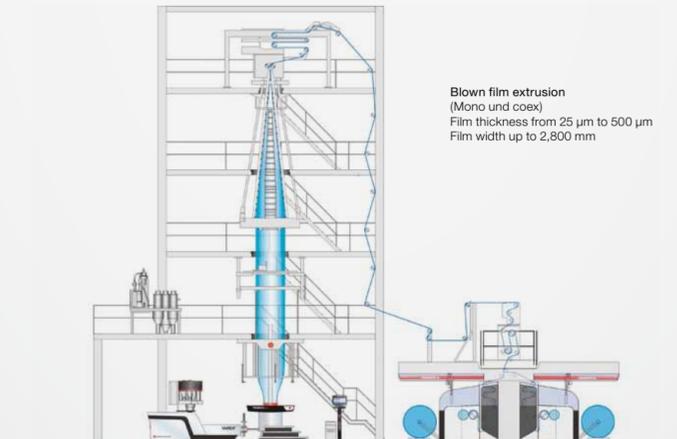
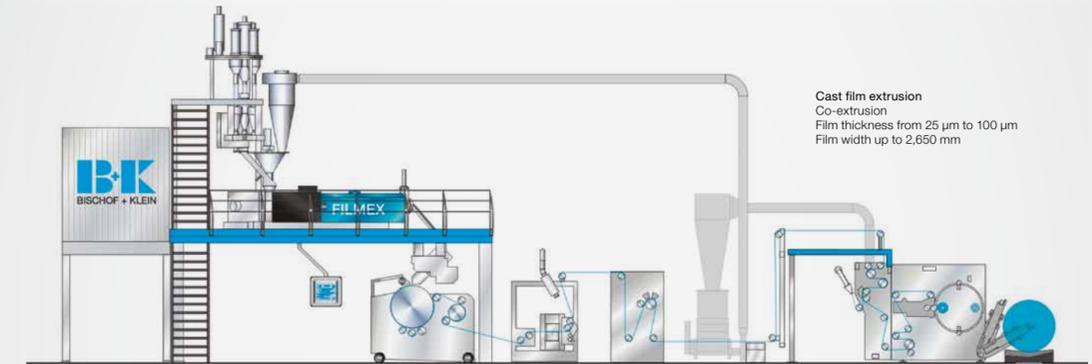
- Liner films for adhesive tapes and other adhesive surfaces
- Outstandingly co-ordinated release properties
- Individual intermediate layer printing
- Can be dyed
- Silicone-free, suitable for subsequent siliconisation

OUR EXTRUSION TECHNOLOGIES

CUTTING-EDGE TECHNICAL EQUIPMENT

With state-of-the-art machinery and innovative manufacturing technologies, we succeed in supplying environmentally-friendly and customer-specific solutions for various applications.

- Co-extrusion of up to five layers
- Optical in-line sheet inspection
- Continuous thickness measurement
- Automated profile controls
- In-house concentrate laboratory facility



OUR DIVERSITY IN MANUFACTURING
TECHNICAL FILMS IS TAILORED PRECISELY TO
YOUR INDIVIDUAL REQUIREMENTS.



Lengerich Konzell

France | Pont-Audemer

Middle East | Al-Khobar

UK | Telford

Polska | Walce



B+K SETS STANDARDS



With its cutting-edge **production, analysis and laboratory facilities**, B+K sets standards in the market. The outstanding quality of our products is achieved through the precise planning, careful checking and detailed documentation of each individual production phase. We became one of the first companies within the packaging industry to undergo certification according to DIN EN ISO 9000 back in 1990, since when we have complied with each of the latest standard revisions.



Active environmental protection has been a firm part of our corporate policy since 1985 and now constitutes B+K's sustainability management system along with our economic and social activities. In 1987, we became one of the first companies in Germany to publish an environmental report. Since 1996, this has been constantly validated according to EMAS and has now become part of the annual sustainability report.

MACHINERY

The B+K-GROUP manufactures its products using state-of-the-art systems for mono/co-extrusion, gravure/flexographic printing, solvent-based/solvent-free lamination and coating plus for extrusion lamination and coating. Thanks to highly-developed conversion technology and product-specific facilities for sealed, welded and adhesive designs, we are able to manufacture individual products according to customers' wishes. Our portfolio also includes packaging for high-purity products. These are produced in Lengerich under ISO class 5 clean room conditions.



OUR COMPANY

Bischof + Klein is one of Europe's leading full-service suppliers of flexible plastic and plastic laminate packaging and technical films. Founded in 1892, the family-owned company is represented around the world by a strong network of production plants and sales offices.

Bischof + Klein employs cutting-edge technology plus creative and innovative ideas to produce tailored packaging and film solutions within all industrial branches. Bischof + Klein regards itself as a pioneer within the field of sustainable management: economic, ecological and socially responsible activities giving consideration to future generations are a matter of course for Bischof + Klein.

OUR INDUSTRIES:



Agriculture and horticulture



Chemicals and petrochemicals



Construction and housing



High-purity products



Hygiene



Metal



Foodstuffs industrial



Foodstuffs consumer



Specialities



Pet food



Detergents and cleaning materials

A SELECTION OF OUR PRODUCTS:

CONVERTED PACKAGING | Block bottom bags | Liners | Open sacks | Side gusseted valve sacks | Stand up pouches | Wicketed bags/Value Packs | Stratapac™ | U-Pack® side gusseted bags | Cross bottom valve sacks

CLEANFLEX® CLEAN ROOM PACKAGING | CleanFlex® barrier bags | CleanFlex® bag systems | CleanFlex® containment systems | CleanFlex® films and laminates | CleanFlex® gloves | CleanFlex® header bags | CleanFlex® bottle-shaped bags | CleanFlex® Tyvek®/HDPE bags

MATERIAL ON REELS/FILMS FOR AUTOMATIC FILLING MACHINES | KoBarFlex® barrier films | EloFlex® elongated films | Label films | Collation shrink films | FFS films | LidFlex peel films | Pallet protection films | Powerwrap bale wrapping films | Laminates

TECHNICAL FILMS | Heat-bonded films | Surface protection films | Technical laminates

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