



The Leading Service and Solution Provider of BOPP Films

COMPANY PRESENTATION

The Leading Service and Solution Provider of BOPP Films



Leading provider of biaxially oriented polypropylene (BOPP) films

More than forty years of expertise in the BOPP market

Innovative partner of the world's largest FMCG manufacturers and brands

Joint partnerships with leading converters and industry partners

Market leader in technical films for electronical applications

Only manufacturer serving all segments in the BOPP industry



Our Five Business Segments – The Most Diverse Portfolio in the Market











Packaging Films

High quality film solutions for the protection of a diverse range of food and non food applications

Label Films

State-of-the-art film solutions for in mould (IML), wrap around (WAL) and self adhesive (SAL) applications

Tobacco Films

Single pack and collation shrink-wrap solutions for major tobacco manufacturers, customized printable solutions

Technical Films

Functional thin-film technology for high-performance capacitors in electronical applications

TreoPore Microporous Separators

Innovative high performance solution for lithium ion batteries and double layer capacitors in electric vehicles and energy storage applications

The Treofan Group at a Glance – Facts & Figures



Close to 200.000 tons film production per year

7.5 billion square meter (IT 2,5 bil) total capacity output per year

€ 450 million turnover (IT € 140 ml) per year (in 2015)

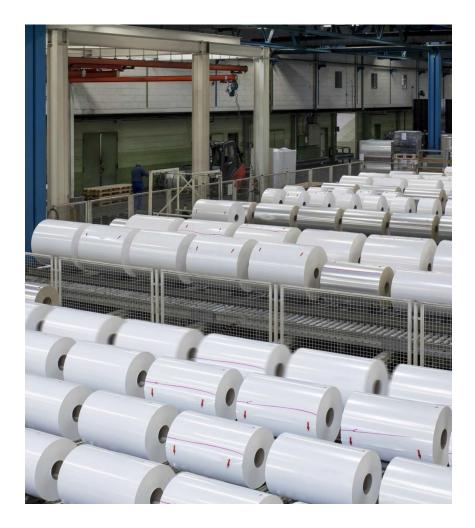
1,100 employees

(IT 210 empl)

worldwide (in 2015)

4 production sites

in Germany, Italy and Mexico: 14 extrusion lines, 2 pilot lines for R&D, 1 coater, 1 metallizer



Our History – More Than Forty Years of Expertise in the BOPP Market



1969

Foundation of Folienwerke Saar as a joint venture of Hoechst and Saarbergwerke in Neunkirchen, Germany

1973

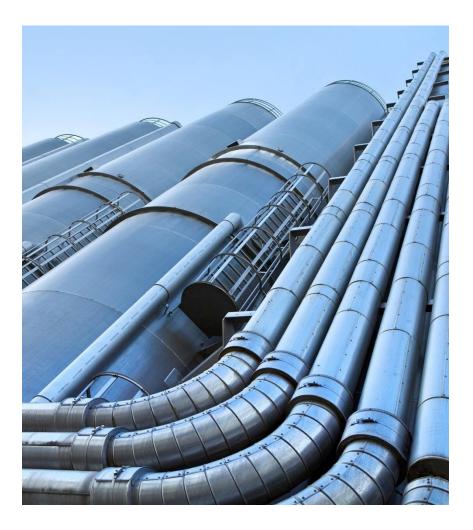
Renaming of Polymer and foundation of Moplefan in Terni, Italy

1995

Spin-off of BOPP production site Neunkirchen from Hoechst and renaming inTrespaphan

2002/2003

Merger of Trespaphan and Moplefan: foundation of the Treofan Group, renaming of global BOPP activities in Treofan



Our Management and Executive Team





Dr. Walter Bickel Chief Executive Officer (CEO) & Managing Director Treofan Group



Dr. Boris Trautmann General Counsel &

General Counsel & Managing Director Treofan Group



Luigi Martinese Chief Operations Officer Europe (COO Europe)



Carolyn Wagner Head of Business Unit Packaging & Label Films

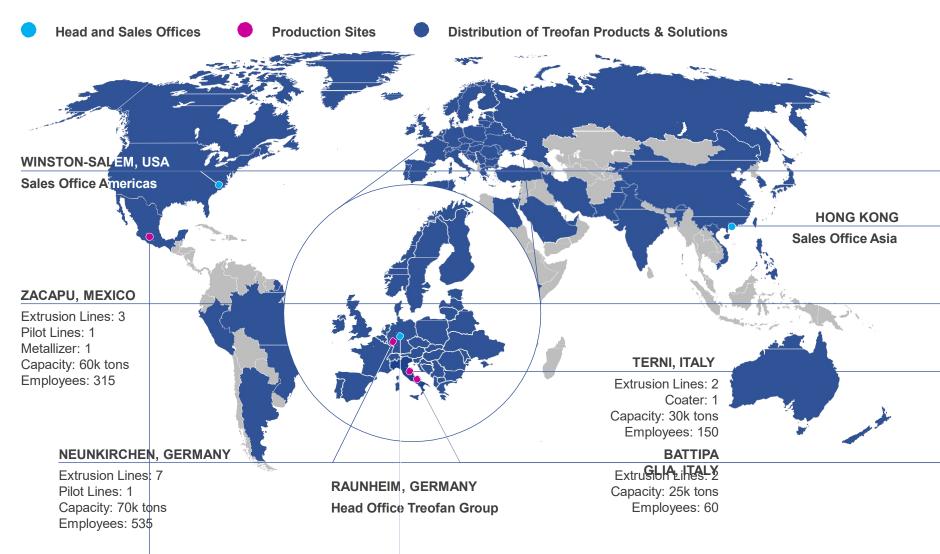




Nico SchoemanDr. Franz Josef KrugerHead of Business UnitsHead of Business UnitTobacco & Technical FilmsTreoPore Separators

Distribution in More Than 90 Countries and Global Production Sites





Our Production Site in Neunkirchen, Germany at a Glance

TREOFAN Passion & Innovation

- Founded as a joint venture of Hoechst and Saarbergwerke in 1969
- 7 extrusion lines
- 1 pilot line for research and development (up to 7 layers)
- Annual production: close to 60,000 tons (in 2015)
- 535 employees (in 2015, approx. 50% in production)
- Global innovation centre of the Treofan Group



Our Production Site in Neunkirchen – Meeting the Highest Quality Standards

Quality Management

Certified according to DIN ISO 9001:2008

Hygiene

- Semi-annual hygiene audit by AIB
- Annual hygiene audit by SAI Global

Energy Management

- Certified according to ISO 50001
- Appointment of a person responsible for energy management









State of the Art Production – Our New BOPP Line in Neunkirchen





Built to maintain the next decades of innovative Treofan solutions

- 8.7 meters wide, five-layer technology
- Custom designed by Treofan in conjunction with Andritz
- Capable to produce a wide range of densities and thicknesses
- Annual capacity approx. 1 billion square meters (2.7 million square meters of film per day)

Our Production Sites in Terni and Battipaglia, Italy at a Glance



Terni

- Founded as Moplefan in 1973
- 2 extrusion lines, 1 coating line
- Annual production: close to 30,000 tons (in 2015)
- 150 employees (in 2015, approx. 85% in production)

Battipaglia

- Founded as Stirosir in 1972
- 2 extrusion lines
- Annual production: close to 25,000 tons (in 2015)
- 60 employees (in 2015, approx. 90% in production)





Company Presentation

Our Production Site in Zacapu, Mexico at a Glance

- Founded in 1980
- 3 extrusion lines
- 1 pilot line for research and development (up to 7 layers)
- 1 metallizer
- Annual production: close to 60,000 tons (in 2015)
- 315 employees (in 2015, approx. 75% in production)
- NAFTA regional innovation center











Setting the Standards in the Business – Our Global Innovation Approach



More than 350 patented product applications in the last four decades

Advanced testing and analytical labs

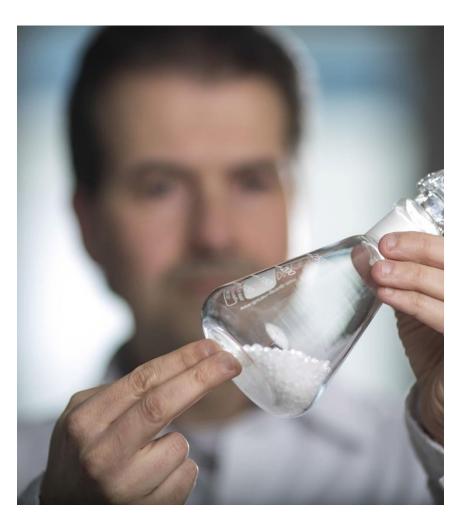
Innovative team of experienced scientists

Global group innovation center in Neunkirchen, Germany

 1 pilot line for research and development (up to 7 layers)

NAFTA regional innovation center in Zacapu, Mexico

- 1 pilot line for research and development (up to 7 layers)
- Dedicated product development



Setting the Standards in the Business – Treofan's Milestones in Innovation



Low temperature sealable films for the food industry

Customized films for high speed application

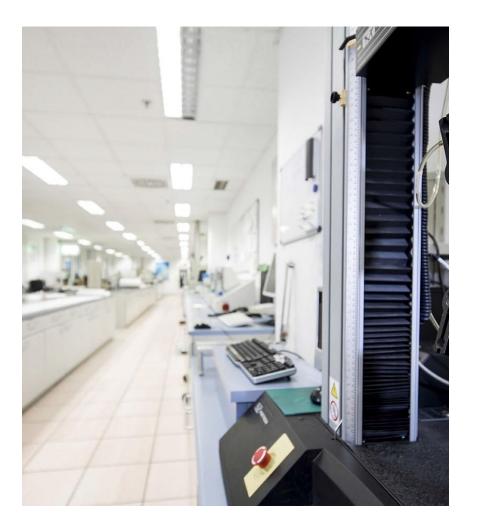
Opaque films Foamed films with densities 0.55 - 0.88 g/cm³

PLA films

Films made of renewable resources with properties for differentiation

In mould labelling films

First films introduced in the market place



Setting the Standards in the Business – Treofan's Milestones in Innovation



TreoPore microporous separators

The ultimate separator solution for lithium ion batteries and double layer capacitors

Ultra thin electronic films for capacitors

Thickness reduced to 1.9 micron

Shrink films for the tobacco industry

Shrinkage of up to 13% without creases thickness reduced to 16 micron



Developing Packaging Film Solutions Together – Our Expertise for Your Success



Treofan is the committed and innovative supplier of packaging solutions to support the growth of the top FMCG brand owners world wide.

- a high-class service level partnership,
- customized developed, high-quality packaging solutions,
- a flexible, outstanding technical service,
- a consistent key account management approach,
- a long lasting, close network with leading industry partners and brand owners relevant for your business



New Packaging Film Solution HybraPack – The Rigid Flexibel Packer



Our new, innovative product for stand-up pouches: HybraPack – the material consisting of two interconnected layers: paper (60-160g/m²) and film (7-30g/m²)!

- Paper appearance and touch: offering a back to the roots look and excellent appearances
- Decreased use of aluminum, reducing complexity and cost
- High-sealing technology for powerful barriers
- All materials already running on customers lines





Developing Label Film Solutions Together – Our Expertise for Your Success



Treofan is the expert partner of IML solutions for converters and brand owners worldwide.

- unmatched breadth of knowledge and experience in IML-IM segment,
- deep understanding of the overall IML process chain,
- a consistent key account management approach,
- an excellent brand owner approach track record in packaging segment,
- a global production and sales presence



New Label Film Solution EPT – The Film for Real IML Thermoforming



EPT, the new film for in mold labeling delivers a look and feel on par with injection-molded products.

- The perfect solution for in mould labeling in thermoforming
- Enables stable fusing of thermoforming and label film at low temperatures and pressures
- Allowing the benefits of thermoforming in optimal quality
- Innovative surface

Joint partner corporation between:







Developing Tobacco Film Solutions Together – Our Expertise for Your Success



Treofan is the committed, expert partner – offering the right quality, performance BOPP films for tobacco applications.

- a high-class service delivery partnership,
- deep knowledge and understanding of the customers requirements and a unique solution orientation,
- film properties matching the demanding requirements and specifications,
- a consistent product quality, exceeding requirements



Developing Technical Film Solutions Together – Our Expertise for Your Success



Treofan is the trusted solution partner for technical BOPP films, delivering innovative products, with a consistent performance.

- proven film solutions build on the excellence of the PHD brand,
- constant further developments of future solutions for the industry,
- highest level film properties and specifications,
- a reliable consistent quality maintaining its performance throughout the supply chain until the final application



Developing TreoPore Separator Solutions Toge THE OGAN Expertise for Your Success

TreoPore is the newly developed separator solution, ideally suited for the entire range of lithium ion batteries and double layer capacitors with highest requirements on safety and reliability.

- an innovative separator solution based on co-extruded ceramic composite layers,
- a new technology already tested and certified by the world leading battery manufacturers,
- a cost effective and environmentally friendly production process of bi-axially stretched polypropylene separators,
- a highly flexible solution, which allows to vary all key separator properties, such as thickness, porosity and permeability





THANK YOU FOR YOUR ATTENTION!

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03.05.2016 23