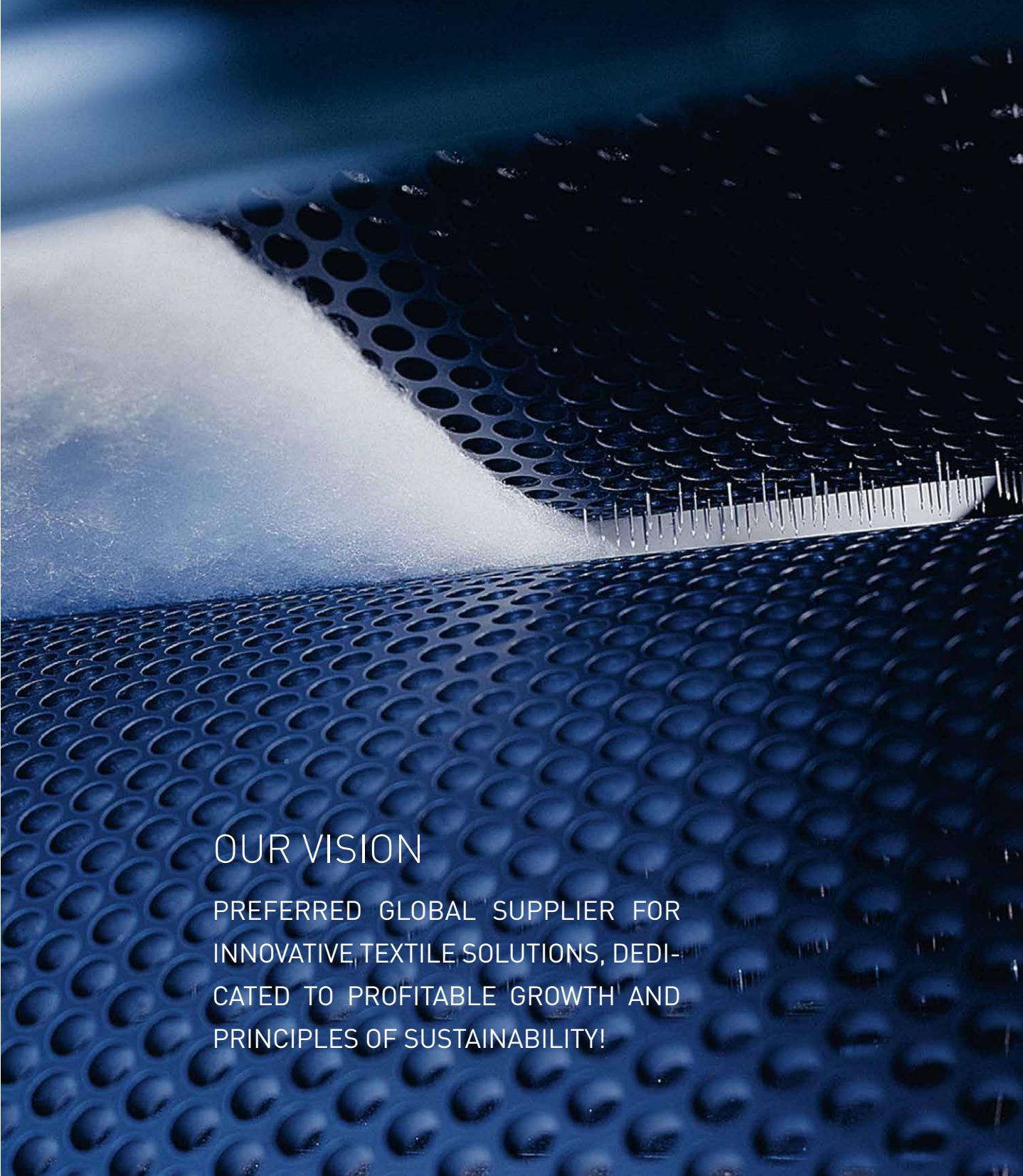


INNOVATIVE. QUALITY DRIVEN.
CUSTOMER FOCUSED.
NONWOVENS FOR GLOBAL INDUSTRIES



OUR VISION

PREFERRED GLOBAL SUPPLIER FOR
INNOVATIVE TEXTILE SOLUTIONS, DEDI-
CATED TO PROFITABLE GROWTH AND
PRINCIPLES OF SUSTAINABILITY!

EXPERTISE IN NONWOVENS

TENOWO is regarded as a competent and reliable partner among the leading global companies of the nonwovens industry. With around 450 employees at sites in Europe, North America and China as well as a joint venture in India, TENOWO plays a ground-breaking role in the development and manufacture of innovative technical textile products and nonwovens, and achieves steady growth rates through technical expertise and proximity to its customers.

TENOWO is part of Hoftex Group AG, one of the largest family-run textile companies in Germany and Europe with roots dating back to the middle of the 19th century. Today, TENOWO supplies demanding customers from various branches of industry. Continuous investments in the development of the product range, the optimisation of production as well as thorough quality controls and participation in certification audits consolidate the position as a technologically competent, internationally oriented partner to leading industries.



Klaus Steger
Chairman of the Board



Dr. Harald Stini
Managing Director

FROM WOVENS TO HIGH-TECH PRODUCTS

The history of the present-day TENOWO GmbH began in 1928 with the formation of Süddeutsche Webstoff Gesellschaft mbH.

The end of the 1960's saw the creation of eswegee Vliesstoff GmbH from the initial letters SWG. Parallel to the renaming of the parent company Textilgruppe Hof AG to Hoftex Group AG in order to reflect the global orientation of the Group, eswegee Vliesstoff GmbH became TENOWO GmbH at the beginning of 2013.

It is not only the name that has changed over the course of the years – the continuous development of the product range through own research and development activities is a decisive driver of growth that

ensures the long-term success of TENOWO GmbH. The company, which originally specialised in wovens and pocket lining materials for the apparel industry, began producing nonwovens as early as 1973. In order to be able to service the increasing demand of industry for technical textile products, the product range was expanded in 1985 to include nonwovens for technical applications and markets – above all for the automobile industry. Today, the sections Technical Nonwovens and Interlinings constitute the main pillars of TENOWO GmbH with products such as acoustic nonwovens, nonwovens for the construction industry, the cable industry or interlinings for the apparel industry.



Süddeutsche Webstoff
Gesellschaft mbH

05





TENOWO PRODUCTS SET BEST OF THE CLASS STANDARDS

Originally created in the clothing industry, the areas of use for nonwovens have changed and expanded over the course of time and as a result of technical progress. TENOWO accompanies this development with its technology expertise and, in recent years, has systematically qualified itself as a diversified provider of technical products for a wide range of future-oriented and high-growth industries. The technical nonwovens section today represents the main business area. The second pillar is the well known brand eswegee for interlinings.



In the field of technical applications, TENOWO is among the globally leading companies of the nonwovens industry. With its numerous innovative products and components for both interior and exterior, e.g. car boot covers, roof liners, engine bonnet covers, acoustic parts etc., TENOWO is recognised as the most competent and most reliable partner, above all for the automotive industry.

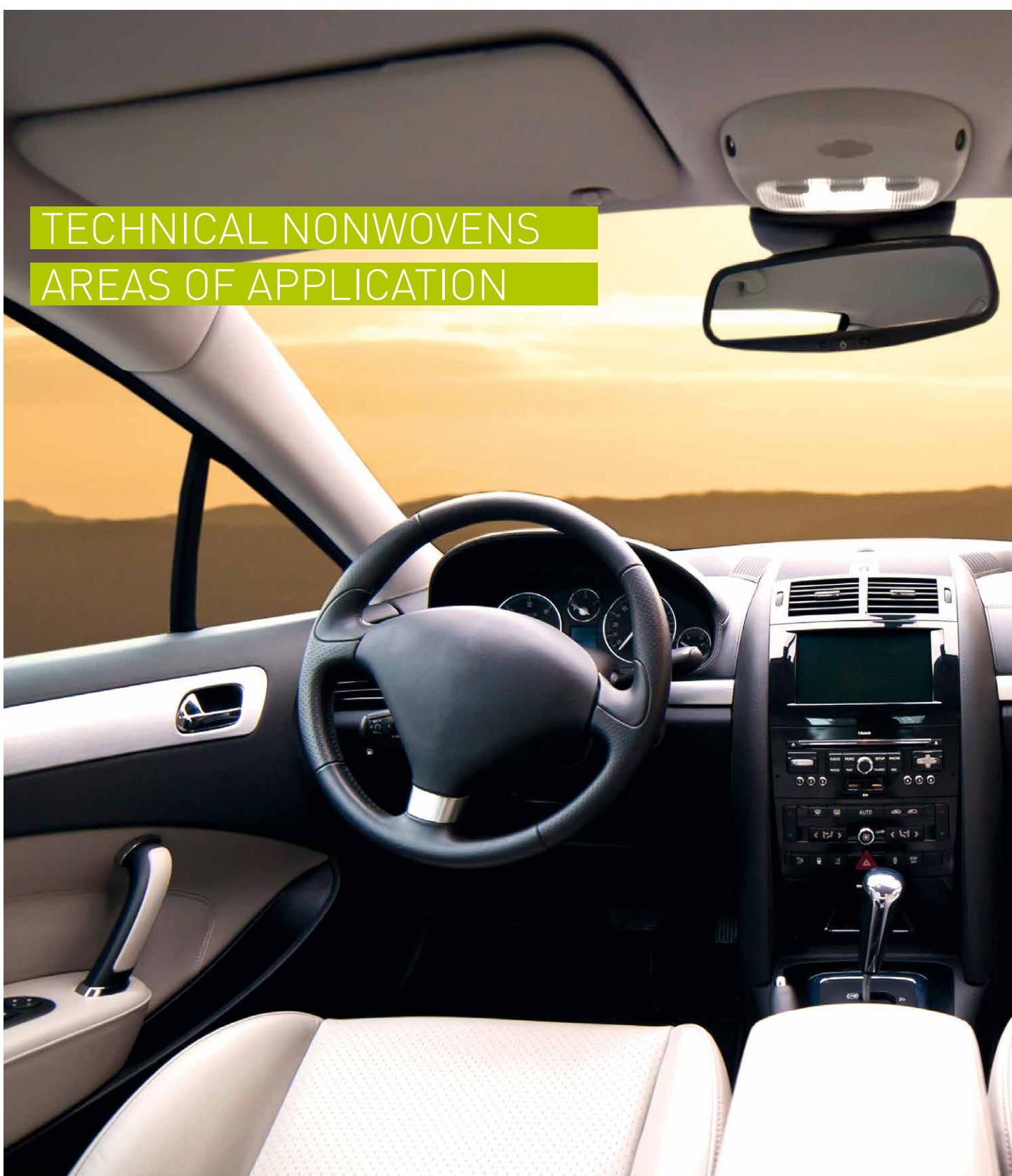


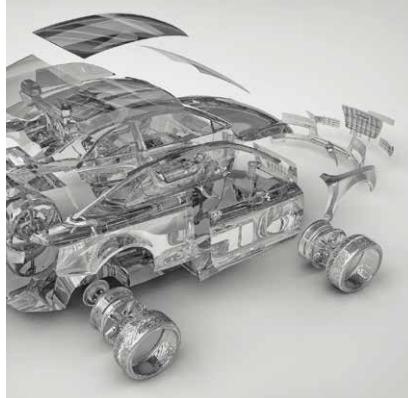
Additional industrial areas of use for technical nonwovens are constantly being opened up in close collaboration with customers. Filtration materials, base material for coatings, technical applications for building and electrical insulation as well as for the timber industry and the hygiene sector round off the ambitious product portfolio.



As partner to the apparel industry, TENOWO develops and produces high-quality interlinings under the brand name „eswegee“ that ensure a perfect fit and stability. eswegee products distinguish themselves through practically-oriented development in cooperation with partners from industry and the fashion sector as well as through optimum quality. Whether nonwovens, wovens or Raschel interlinings – TENOWO offers customers the fitting product for every application.

TECHNICAL NONWOVENS
AREAS OF APPLICATION





TENOWO is one of the leading manufacturers of highly engineered nonwovens with a global presence as a partner to the automotive supply industry.

Our nonwovens are currently used throughout the world by all leading OEMs. The eight different manufacturing processes for nonwovens within the TENOWO Group enable the development of individually tailored solutions for the needs of the customers.



PRODUCTS

- CHEMICALLY BONDED AND THERMO CALANDERED NONWOVENS
- NEEDLE-PUNCHED NONWOVENS, SPUNLACED AND THERMO FUSIONED HIGH-LOFT NONWOVENS
- STITCH-BONDED NONWOVENS IN THE CATEGORIES MALIVLIES, MALIWATT, MULTIKNIT, KUNIT AND CARBON COMPOUND

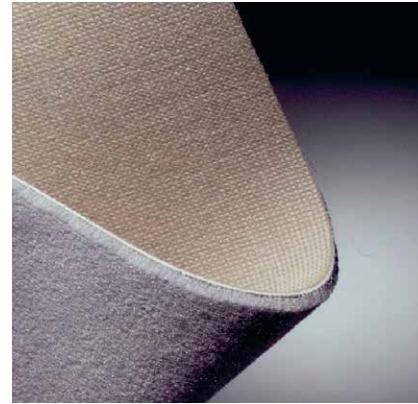
APPLICATIONS

- NONWOVENS FOR DECORATIVE INTERIOR
- NONWOVENS FOR ACOUSTICAL APPLICATIONS
- HEAT SHIELDS
- NONWOVEN FOR INJECTION-MOLDING
- SECONDARY BACKING FOR FLOOR MATS AND UNDERBODY COMPONENTS
- FOAM SUBSTITUTION FOR SEATS
- WIRE HARNESSING
- SPECIAL TECHNICAL TAPES



TECHNICAL NONWOVENS
AREAS OF APPLICATION





Opportunities in the field of industrial applications are spread widely over various sectors.

For example, technical nonwovens from TENOWO are used in filtration,

the electrical, construction and timber industries or as base material for coatings. In addition, hybrid nonwovens are produced from carbon fibres and used in lightweight constructions. The flexibility of the non-

woven manufacturing processes at TENOWO, combined with various finishing and refining processes, underlines the company's expertise and reliability as a partner to the customers.

PRODUCTS

- CHEMICALLY BONDED AND THERMO CALANDED NONWOVENS
- NEEDLE-PUNCHED NONWOVENS, SPUNLACED AND THERMO FUSIONED HIGH-LOFT NONWOVENS
- STITCH-BONDED NONWOVENS IN THE CATEGORIES MALIVLIES, MALIWATT, MULTIKNIT, KUNIT AND CARBON COMPOUND

APPLICATIONS

- FILTRATION
 - Dry: household area, textile industry etc.
 - Wet: Drill emulsions and various liquids
- CARRIER MATERIAL FOR COATINGS AND LAMINATIONS
 - Backing for PU leather
 - Shoe industry
 - Home textiles etc.
- SECONDARY CARPET BACKING
- FIBRE-REINFORCED SYNTHETICS FRP
 - Vehicle production
 - Aircraft manufacturing
 - Wind turbines

- WIPES
 - Impregnated
 - Washable
- OTHER TECHNICAL APPLICATIONS
 - Construction and electrical insulation
 - Fibre composite materials
 - Carrier nonwovens for the construction industry
 - Other carrier components for various industries



TENOWO INTERLININGS – NONWOVENS ARE OUR PASSION

There is hardly any branch of industry that can look back on such a long cultural history as the apparel industry.

Since time immemorial, man has constantly been creating new designs, setting new fashion trends and striving to optimize ready-to-wear clothing through creativity and functionality.

Whether nonwoven interlinings, woven or Raschel interlinings – TENOWO offers you the fitting product for every application. The areas of use include the large and small part application in men's wear and ladies' wear as well as in shirts and special articles for dresses/blouses. You will find particular specialities for undercollar as well as for the production of shoulder pads. In

addition to roll goods, TENOWO also offers tapes in various dimensions and variations (straight, diagonal, perforated) as well as special tapes.

PRODUCTS

- CHEMICALLY BONDED AND THERMO-CALANDED NONWOVENS, NEEDLE-PUNCHED NONWOVENS
- WOVEN AND RASCHEL INTERLININGS
- COATED OR NON-COATED

APPLICATIONS

INTERLININGS FOR:

- LARGE AND SMALL PARTS
- DRESSES AND BLOUSES
- COMBINATIONS FOR SHIRTS
- TROUSER WAISTBANDS
- SHOULDER PADS AND SLEEVE HEADROLLS
- UNDERCOLLAR, PLAIN OR PRINTED
- STRAIGHT AND PERFORATED TAPES AS WELL AS SPECIAL VARIATIONS
- DIE CUTS

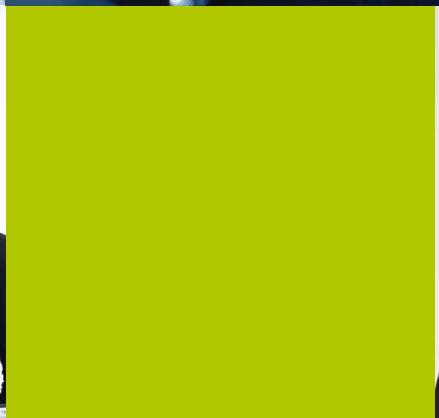




TECHNOLOGIES

High-quality products are produced using various manufacturing processes and with the latest production facilities. TENOWO today has unique chemical and technical expertise. In addition to needle-punched, thermo calandered and chemically bonded nonwovens, TENOWO also offers spunlaced nonwovens, stitch-bonded nonwovens using Malimo technology as well as the recently introduced thermo fusioned High-Loft nonwovens.

TECHNOLOGY	PRODUCTLINE AUTOMOTIVE APPLICATIONS	PRODUCTLINE TECHNICAL APPLICATIONS	PRODUCTLINE INTERLININGS FOR APPAREL
CHEMICALLY BONDED	Zetabond	Zetabond	eswegee
THERMO CALANDED	Zetatherm	Zetatherm	eswegee
NEEDLE PUNCHED	Zetafelt	Zetafelt	eswegee
SPUNLACE	Zetajet	Zetajet	
THERMO FUSION - HIGH LOFT	Zetaloft	Zetaloft	
STITCHBONDED			
Malivlies, Maliwatt	Zetastitch	Zetastitch	
Multiknit, Kunit	Zetastitch	Zetastitch	
Carbon compound	Zetastitch C	Zetastitch C	



CUSTOMER FOCUSED AND QUALITY CONSCIOUSNESS

TENOWO is a competent and reliable partner for its customers and produces to individual requirements, specifications and challenge. In its largest customer segment Automotive, for example, TENOWO is directly involved in the product development of the automobile suppliers and manufacturers.

Continuous product improvements and rapid developments guarantee customers speedy consideration of new trends and requirements as well as innovative solutions for the future. The partnership-like relationship and the accompanying personal service form a strong basis for successful cooperation.

The settled owner structure of the parent company Hoftex Group AG ensures stable progress of TENOWO that is oriented towards the long term. TENOWO customers have the certitude that they have a competent and solid partner at their side with production capacities in Europe,

North America and Asia which guarantee prompt and reliable delivery performance and this over product cycles lasting many years. TENOWO products distinguish themselves through practically-oriented development, quality-conscious production and a consistently certified quality assurance system in accordance with DIN ISO 9001. As a sustainably managed company, TENOWO takes account of ecological and safety aspects in its product development. DIN EN ISO 14001, DIN ISO 50001 and ÖkoTex 100 are a matter of course.

DIN ISO 9001

DIN EN ISO 14001

DIN ISO 50001

ÖKOTEX 100



GLOBAL PRODUCTION AT THE HIGHEST LEVEL

Thinking global – supporting customers worldwide!

With sites in Europe, North America, China and India, TENOWO GmbH is a market leader in the development

and manufacture of innovative technical textile products and nonwovens. TENOWO has three plants in Germany: at the headquarters in Hof (Bavaria) as well as at the Reichenbach and Mittweida sites in Saxony.

TENOWO services the Asian market through its production site in Huzhou near Shanghai in China and its joint venture in Mumbai, India. In the USA, TENOWO has a plant in Lincolnton, North Carolina.



Reichenbach, Germany



Mittweida, Germany



Lincolnton, USA



Hof, Germany



Member of **HOFTEX GROUP**

Headquarters:

TENOWO GmbH
Fabrikzeile 21
95028 Hof
Germany

TENOWO Mittweida GmbH
Viersener Straße 18
09648 Mittweida
Germany

TENOWO Reichenbach GmbH
Am Windrad 5
08468 Heinsdorfergrund/Reichenbach
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