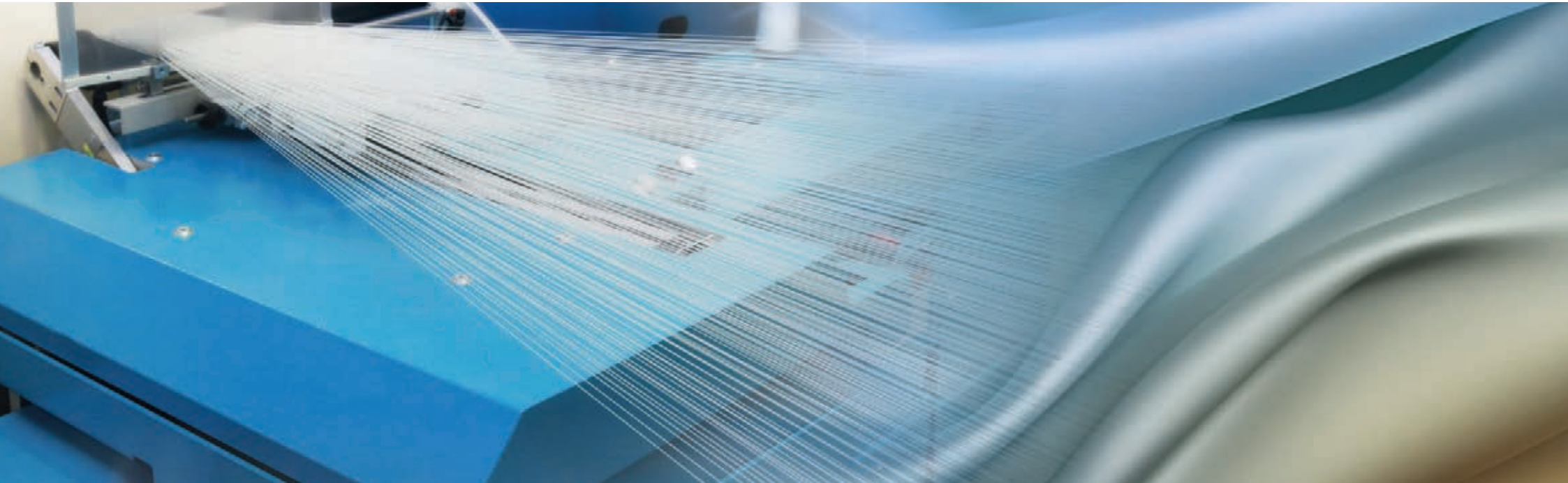




Federal Ministry  
for Economic Affairs  
and Climate Action



MITTELSTAND  
**GLOBAL**  
FOREIGN MARKET  
ENTRY PROGRAMME



# Technology Showcase India German Textile machinery

4<sup>th</sup> to 8<sup>th</sup> December 2023

*Delegation brochure*

Project of



In collaboration with



Textile Machinery

## German Companies

ANDRITZ Küsters GmbH .....

Baldwin Technology GmbH .....

Erhardt+Leimer GmbH .....

Groz-Beckert KG .....

KARL MAYER STOLL  
Textilmaschinenfabrik GmbH .....

Körting Hannover GmbH .....

Pleva GmbH .....

Saurer Spinning Solutions GmbH & Co. KG .....

Sedo Treepoint GmbH .....

SETEX Schermuly textile computer GmbH .....

Trützschler Group SE .....

Trützschler Nonwovens GmbH .....

Weitmann & Konrad GmbH & Co. KG .....

As part of a Technology Showcase in India under the auspices of the German Federal Ministry for Economic Affairs and Climate Action (BMWK), a delegation of thirteen German companies specializing in high-quality and innovative technologies, products and services within the textile machinery industry will visit the cities of Ahmedabad and Coimbatore in December 2023.

The aim is to establish new and to intensify existing collaborations and partnerships with Indian companies, research institutes, trade associations and institutions from the textile sector. The German companies will bring their expertise and offerings to the Indian textile industry in important regions of West & South India, providing opportunities for mutual growth and advancement.

The program encompasses **two major Symposiums in Ahmedabad and Coimbatore** to showcase Germany's expertise, innovations and technologies, followed by networking opportunities:

**Ahmedabad, Tuesday, Dezember 5<sup>th</sup>, 2023**, Crowne Plaza Ahmedabad City Centre  
**Coimbatore, Thursday, Dezember 7<sup>th</sup>, 2023**, Gokulam Park Coimbatore

The two symposium events are taking place in the framework of the five-day business delegation of German companies to India from Dezember 4<sup>th</sup> to 8<sup>th</sup>, 2023, with the purpose of an inspiring business dialogues and B2B meetings between German companies and the excellence of the Indian Textile Industry.

The German Textile Machinery Delegation to India is a funding project of the Federal Ministry for Economic Affairs and Climate Action (BMWK). The project is carried out by SBS systems for business solutions in straight collaboration with the VDMA Textile Machinery Association and the VDMA India.

Please find on the following pages a short company profile with further information of each of the German participating companies and their business interest with Indian partners.

## Message of greeting from the Foreign Market Entry Programme

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The Foreign Market Entry Programme assists German Small and Medium-Sized Businesses during all stages of their export activities. Participating businesses receive widespread support from the initial stages of market exploration up to the making of actual business contacts, e.g., by providing first-hand market information, organizing exploration trips and building networks. Key element of this support is the personal assistance during preparation, implementation and follow-up of these measures to ensure that the business arrangements are of high quality and sustainable.

This visit is part of the showcase events module of the Foreign Market Entry Programme and will facilitate business contacts as well as provide important impulses for the further intensification of the fruitful co-operation between India and Germany.

On behalf of the German Federal Ministry for Economic Affairs and Climate Action, I would like to thank the participants from Germany, all multipliers, and other involved parties in India for their contribution to create a successful measure.

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### **Mr. Christian Tippelt**

Director Foreign Market Entry Programme of the  
Federal Ministry for Economic Affairs and Climate Action (BMWK)  
Germany Trade & Invest



### **Sr. Christian Tippelt**

.....  
*Director Foreign Market Entry  
Programme of the Federal  
Ministry for Economic Affairs  
and Climate Action (BMWK)  
Germany Trade & Invest*

## Welcome message from VDMA Textile Machinery Association

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Efficiency, digitalisation and circularity are the current challenges for the world-wide textile industry. The high-tech suppliers of VDMA Textile Machinery are ideal partners in tackling these and future challenges in India. As pioneers for sustainable innovations paired with excellent services, the suppliers from Germany can support the textile industry in partnership by various means. By replacing outdated machinery, excessive production costs can be reduced and the energy and sustainability balance of one's own company can be significantly improved. The latest technologies are a prerequisite for improving the competitiveness of textile manufacturers in global competition, both in terms of price, quality and innovative end products.

Investments in German textile machinery pay off after a relatively short time. This will also be demonstrated by 13 well-known textile machinery manufacturers from Germany during the Trade Mission on 5th December 2023 in Ahmedabad and on 7th December 2023 in Coimbatore. Take the opportunity to meet the experts from Germany and their partners during the symposia and B2B meetings.

The VDMA Mechanical Engineering Industry Association, has initiated this business delegation trip to India to foster possible collaboration between the industries. With more than 3,600 members, the VDMA is the largest network organization for mechanical engineering in Europe. Under the umbrella of the VDMA, there are about 150 textile machinery and components manufacturers affiliated with the Textile Machinery Association. In 2022, the sector exported textile machinery worth around EUR 2.8 billion. Exports to India amounted to EUR 228 million, making India the third most important market after China and Turkey.

The leading position and the high customer satisfaction with German technology are based on lived values such as reliability, precision, and efficiency.

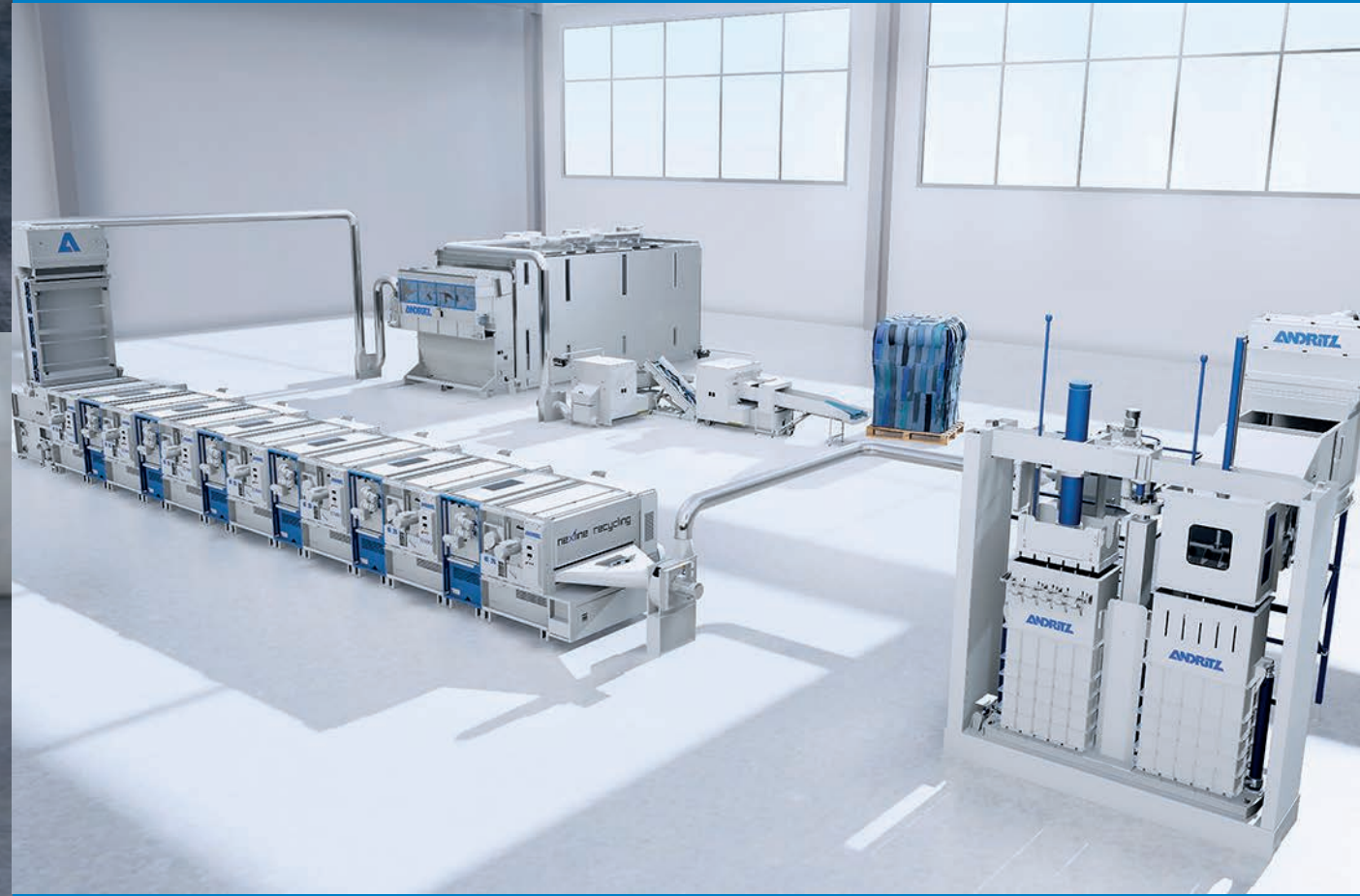
At the end of the day, trust and reliability are important prerequisites also for business relationships. In this sense, the VDMA wishes all participants fruitful discussions.

**Dr. Harald Weber**  
*Managing Director*  
VDMA Textile Machinery  
Association

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**Boris Abadjieff**  
Head of Exhibitions &  
Marketing

# ANDRITZ



## Summary

One of the world's leading suppliers of technologies and services for the nonwoven and textile industries.



  
made in  
Germany

[www.andritz.com/nonwoven](http://www.andritz.com/nonwoven)

## Company profile

ANDRITZ Nonwoven and Textile is one of the world's leading suppliers of technologies and services for the nonwoven and textile industries.

We know that your business depends on satisfied customers and efficient processes. That's why we support you in every aspect of your nonwoven and textile production.

Key competences lie in technologies and services for air-through bonding, airlaid, needlepunch, airlay, spunlace, spunbond, wetlaid/Wetlace, converting, textile finishing, textile recycling, and bast fiber processing. Long years of experience in the hands of the well-known companies Küsters, Perfojet, Asselin-Thibeau, Diotec, Laroche and Dan-Web form the foundation of the ANDRITZ Nonwoven and Textile technology.

## Products / Services

We offer individual machines , complete production lines and services for:

- Air-through-bonding
- Airlaid
- Needlepunch
- Airlay
- Spunlace
- Spunbond
- Wetlaid/Wetlace
- Converting for absorbent hygiene
- Textile calenders
- Textile recycling
- Bast fiber processing

## References and export activities

ANDRITZ Nonwoven and Textile operates globally and has state-of-the-art manufacturing facilities and technical centers worldwide that comply with international standards, thus providing high quality assurance and quality control practices.

## Target group

- Nonwoven roll good producers
- Textile finishing companies
- Textile recycling facilities

## Competitive advantages

We share technologies and unite market experience, cultural diversity, as well as well-established customer and supplier relations all along the value chain.

Listening to customers and understanding their products is the initial step in all development work. Our teams from all competence and service centers have joined together to create innovative and visionary concepts for sustainable products from one source.

## Ideal business partners

- Nonwoven roll good producers
- Textile finishing companies
- Textile recycling facilities

# ANDRITZ

## ANDRITZ Küsters GmbH

Eduard-Küsters-Str. 1  
47805 Krefeld  
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[www.andritz.com/nonwoven](http://www.andritz.com/nonwoven)

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Languages: English, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup> - 8<sup>th</sup>  
December 2023

**Mechanical and plant engineering**  
Textile machinery

Supported by:



Federal Ministry  
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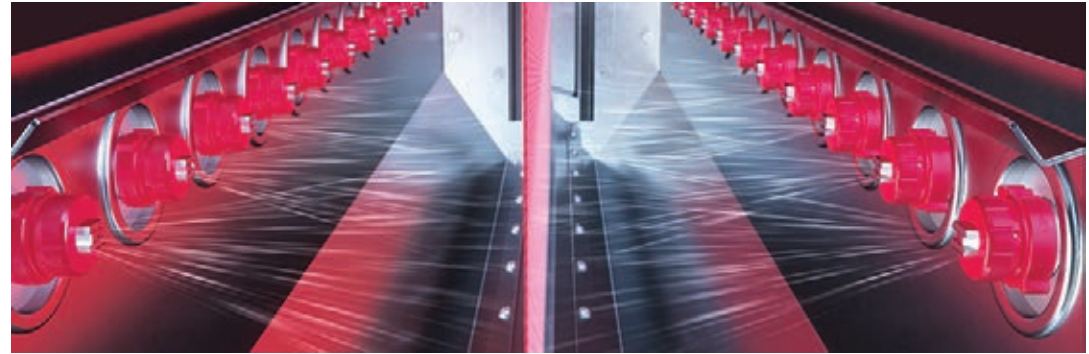
SBS  
systems for business solutions



germantech  
.org

# BALDWIN®

Unlocking Your Potential



## Summary

Finishing with perfection-  
Transitioning from pad application to  
precise, non-contact digital spray.



made in  
Germany

[www.baldwintech.com](http://www.baldwintech.com)

## Company profile

Baldwin is a company of the Barry-Wehmiller group and its BW Converting Solutions platform of six industry-leading brands. These industry leaders offer trusted brands and innovative technologies in the design, manufacture, and service of high-performance converting and packaging machinery for the textile, nonwovens, tissue, hygiene, bag-converting, mailing, and printing industries.

With 21 facilities in 10 countries and an agency network spanning the globe, Baldwin provides cutting edge technology and unparalleled service in supporting the textile industry supply chain's sustainability goals within the dyeing and finishing processes.

Baldwin shifts the paradigm of age-old pad finishing processes, "dipping and squeezing" of finish chemistry, to a precise, digital application resulting in more even application, using significantly less water and energy and zero waste.

## Products / Services

TexCoat G4 is the flagship product in Baldwin's textile-based portfolio of technology geared toward sustainability and carbon footprint reduction. More than 90 systems are installed globally. TexCoat G4 delivers unparalleled performance in the application of softeners, durable water repellents, resins, flame retardants, and other technical finishes.

TexForz/TexMoister remoistening solutions are purpose driven and commonly found in compactors, sanforizers, stenters and various custom applications.

Baldwin's Plasma Pure systems treat fabrics to optimize dyeing and finishing properties as well as in the lamination of substrates to maximize bonding performance.

## References and export activities

Baldwin's textile products are engineered and manufactured at our facilities in Germany and Sweden. You will find installations around the world in some of the most well-known textile manufacturing facilities with applications in apparel, home textile, automotive, military and other technical textile applications.

We have partnered with numerous brands and retailers assisting in their mission to deliver products that are manufactured utilizing more sustainable and energy saving processes.

## Target group

Baldwin's products are well suited to provide excellent performance and a strong return on investment in textile mills of all sizes and applications. You will find TexCoat G4 from small family-owned mills in Europe producing highly complex woven technical textiles to mega factories in Central America and Asia producing millions of KGs per month of knit apparel.

No project is too small or too big. The result is always the same, high performance and consistent quality that is environmentally friendly while improving profitability.

## Competitive advantages

Compared to traditional padding, TexCoat G4 saves up to 50% in water and chemistry. Applying finishes at a significantly lower pickup, ensures higher production speeds and lower energy consumption.

## Ideal business partners

Textile Mills, Brands, Retailers, Chemical Suppliers, Universities.

# BALDWIN®

Unlocking Your Potential

## Baldwin Technology GmbH

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Languages: English

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Languages: English, Greek

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023

**Mechanical and  
plant engineering**  
Textile machinery



Federal Ministry  
for Economic Affairs  
and Climate Action



MITTELSTAND  
GLOBAL  
FOREIGN MARKET  
ENTRY PROGRAMME





# Erhardt+Leimer

## Cutting-edge technology on moving webs

Smart | Reliable | Global

### Summary

As an automation specialist, Erhardt+Leimer is one of the leading suppliers of web guiding, web tension control, and web inspection systems.



  
made in  
Germany

## Company Profile

Founded in 1919, Erhardt+Leimer is an internationally expanding group with its head office in Augsburg, Germany. Erhardt+Leimer specializes in the development, production, sales, and servicing of products for automation and inspection on moving webs and conveyors. More than 1,600 highly qualified employees at sites across Europe, America, and Asia deliver cutting-edge technology on time to any location in the world. Our intelligent technologies and products meet the highest quality standards and are designed to help our customers to optimize their production processes.

In everything we do, from product development and use of resources up to the relationship with our customers we attach great importance on sustainability, reliability, and continuity.

## Products / Services

Our systems for web guiding, web tension control, and web inspection are used in various industries such as textiles, paper, plastics, paper production, tires and rubber, corrugated board, hygiene, or batteries. It is our aim to keep offering new products and services so that our customers enjoy even greater benefits. For this reason, we develop customer-specific solutions and always stay at the pulse regarding new developments. Just recently, we have launched a new product for the textile industry, a seam sensor including software based on artificial intelligence.

With an extensive service network in all key industrial nations we are close to our customers and able to offer an excellent range of services, from remote maintenance to on-site personal support. Apart from that, customers have the possibility to buy our products 24/7 in the E+L web shop.

## References and export activities

We deliver our products and solutions to customers in a broad variety of industries and located all over the world. Our current export ratio is above 80 %. Due to our global presence guaranteed by a network of 18 locations across Europe, America, and Asia – among them our subsidiary in Ahmedabad, India – we are always close to our customers.

## Target group

Our customers are manufacturers and users of machines for processing fabric and nonwoven materials. With our systems and solutions we help them to increase the production quality, reduce waste and downtimes while increasing their output.

## Competitive advantages

We provide the full range of systems for web guiding, web tension control and web inspection. Our network of subsidiaries and partner companies offers the ideal basis for open communication and knowledge transfer. Thanks to an intensive exchange, we can keep a constant eye on the requirements of the market. Apart from that, we guarantee the highest possible quality standards from the selection of raw materials to worldwide after sales service.

## Ideal business partners

We aim to connect with business partners in the following areas:  
Textile finishing companies and machinery manufacturers.



## Erhardt+Leimer GmbH

Albert-Leimer-Platz 1  
86391 Stadtbergen  
Germany

[www.erhardt-leimer.com](http://www.erhardt-leimer.com)

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Languages: English, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023



Supported by:



Project of:



# GROZ-BECKERT



## Summary

The Company provides industrial machine needles and tools, services for the production of textile fabrics.



  
made in  
Germany

[www.groz-beckert.com](http://www.groz-beckert.com)

## Company Profile

Groz-Beckert is the world's leading provider of industrial machine needles, precision parts and fine tools, as well as systems and services for the production and joining of textile fabrics. All around the world, the products and services support the textile processes of knitting and warp knitting, weaving, felting, tufting, carding and sewing. Everything comes together at the headquarters in Albstadt, Germany. In addition, the family-owned company has further production sites in Germany, Belgium, the Czech Republic, Portugal, the USA, India, China, and Vietnam. Groz-Beckert offers its customers a comprehensive partnership in over 150 countries.

## Products / Services

Product range Knitting:

Needles, system parts, cylinders, and dials for knitting machines as well as systems for cylinder change.

Product range Weaving:

Healds, heald frames, warp stop-motions and drop wires as well as machines for weaving preparation.

Product range Felting:

Felting and structuring needles as well as jet strips for hydroentanglement.

Product range Tufting:

Tufting needles, modules, loopers, knives and reed fingers.

Product range Carding:

Card clothing and accessories for the spinning and nonwovens industry, mounting service, roller repair.

Product range Sewing:

Sewing and shoe machine needles.

## References and export activities

Numerous production and sales affiliates, as well as agencies and trading partners, ensure a worldwide presence in more than 150 countries around the globe, providing Groz-Beckert customers with direct contacts.

## Target group

Customers along the textile value chain, especially in textile surface production.

Distribution through the Groz-Beckert sales network or via authorized distribution partners.

## Competitive advantages

With its extensive know-how and a unique range of services characterized by expert knowledge and intensive application advice, Groz-Beckert offers solutions for the knitting, weaving, felting, tufting, carding and sewing sectors.

## Ideal business partners

Companies along the textile value chain.

# GROZ-BECKERT

## Groz-Beckert KG

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[www.groz-beckert.com](http://www.groz-beckert.com)

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Languages: English, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023



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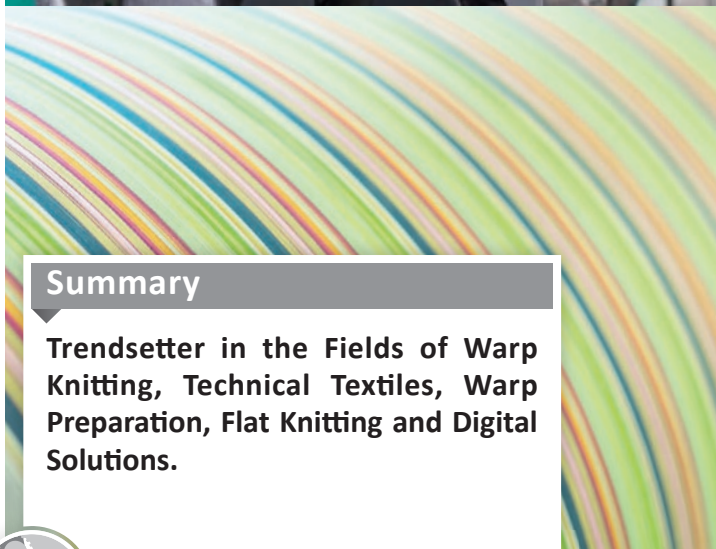


Project of:



# KARL MAYER

WE CARE ABOUT YOUR FUTURE



THE INNOVATIVE  
MARKET LEADER

## Summary

Trendsetter in the Fields of Warp Knitting, Technical Textiles, Warp Preparation, Flat Knitting and Digital Solutions.



  
made in  
Germany

[www.karlmayer.com](http://www.karlmayer.com)

## Company profile

The KARL MAYER GROUP is an innovative market leader as well as driving force in the textile machinery building. The manufacturer offers perfect solutions for the fields of warp knitting and flat knitting, technical textiles, warp preparation for weaving and digitalisation. The digital solutions are offered under the KM.ON brand, the product portfolio for flat knitting under the STOLL brand.

With more than 3,100 employees worldwide, the international organization produces in its main markets, so that KARL MAYER is always close to its customers and their needs. Today, the company has subsidiaries in the USA, India, Italy, Hong Kong, Japan, China, Bangladesh, Turkey, Indonesia and Switzerland as well as agencies all over the world.

The German family-run enterprise was set up in 1937 and since then financial independence and economic sustainability have always been important aspects of the company's corporate strategy.

## Products / Services

KARL MAYER's different business units offer you various machine concepts and digital solutions, according to your specific needs, strategic goals and special requirements. All the machines offer tried and tested KARL MAYER quality along with innovative solutions.

Our product portfolio is divided in:

- WARP KNITTING including: tricot, raschel, double-needle bar, lace machines and direct warpers
- TECHNICAL TEXTILES including: weft-insertion knitting machines and composite machines
- WARP PREPARATION including: beaming machines and direct warpers, sectional warpers, assembling machines, sizing machines, indigo dyeing units and creels
- STOLL KNITTING MACHINES
- KM.ON DIGITAL SOLUTIONS

## References and export activities

The products manufactured by our customers can be found in almost all areas of life, as diverse as sportswear and sneakers, but also in technical applications such as coating carrier, used e.g. in advertising banners or tarpaulins. With a dense network of 20 subsidiaries and qualified agencies, we are present in over 90 countries worldwide.

## Target group

Textile producers in the fields of warp knitting, flat knitting, technical textiles and warp preparation for weaving. Textile companies along the complete textile chain.

## Competitive advantages

In everything our group and its people do, we focus on the market requirements and the success of our customers.

We develop the best solutions for their current and future needs. That is our commitment, and it applies to machines, digital solutions and services.

## Ideal business partners

Textile companies along the complete textile chain.

# KARL MAYER

WE CARE ABOUT YOUR FUTURE

## KARL MAYER GROUP

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63179 Obertshausen  
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[www.karlmayer.com](http://www.karlmayer.com)

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Languages: English, French, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023



Supported by:



Project of:





THE EJECTOR COMPANY

# Caustic recovery for mercerising lye



## Summary

Since 1956, Körting has supplied more than 200 caustic recovery plants for mercerising lye to the textile industry in more than 50 countries.



made in Germany

[www.koerting.de](http://www.koerting.de)

## Company profile

Körting Hannover has established itself as a leading manufacturer for products in vacuum and environmental technology. The focus on engineering and core competencies in niche markets worldwide makes the company an important partner in the process industry. In the product areas of jet pumps/vacuum technology and waste gas purification/environmental technology, the tasks are individually analysed, solutions developed and implemented, tailored to the respective situation of the customer.

## Products / Services

Körting Caustic Recovery Plants (CRP) are used during the mercerisation process. In this finishing process, tensioned textile fibres are treated with caustic soda. The caustic soda solution is washed out of the fibres and, as a diluted caustic solution (weak lye), it's a waste product and must be disposed of at high cost. A Körting Caustic Recovery Plant (CRP) allows this waste product to be reconcentrated and almost fully recovered. This means that the caustic soda solution can be used again in the process and does not have to be disposed of separately. This protects the environment and reduces operating costs dramatically.

## References and export activities

Over 40 references in India since 1997; e.g.

- Welspun
- Vardhman
- Trident

## Target group

Any textile finishing mill with mercerisation.

## Competitive advantages

- global market leader in CRP
- caustic soda (weak lye) used can be recovered
- strong lye recovered can be cleaned with hydrogen peroxide
- quality of the vapour condensate is excellent because swirl droplet separators are used
- vapour condensate has a low pH-value (can be used in other processes, e.g. washing in the mercerising machine, bleaching)
- plant is highly energy efficient (the hot water generated is used)

## Ideal business partners

-



## Körting Hannover GmbH

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Languages: English, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup> - 8<sup>th</sup>  
December 2023



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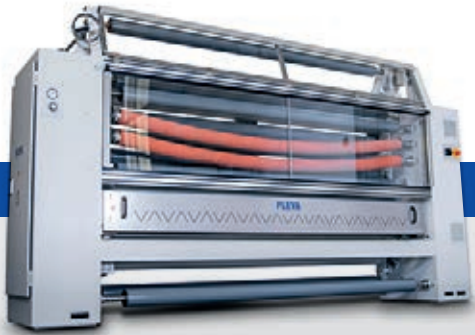
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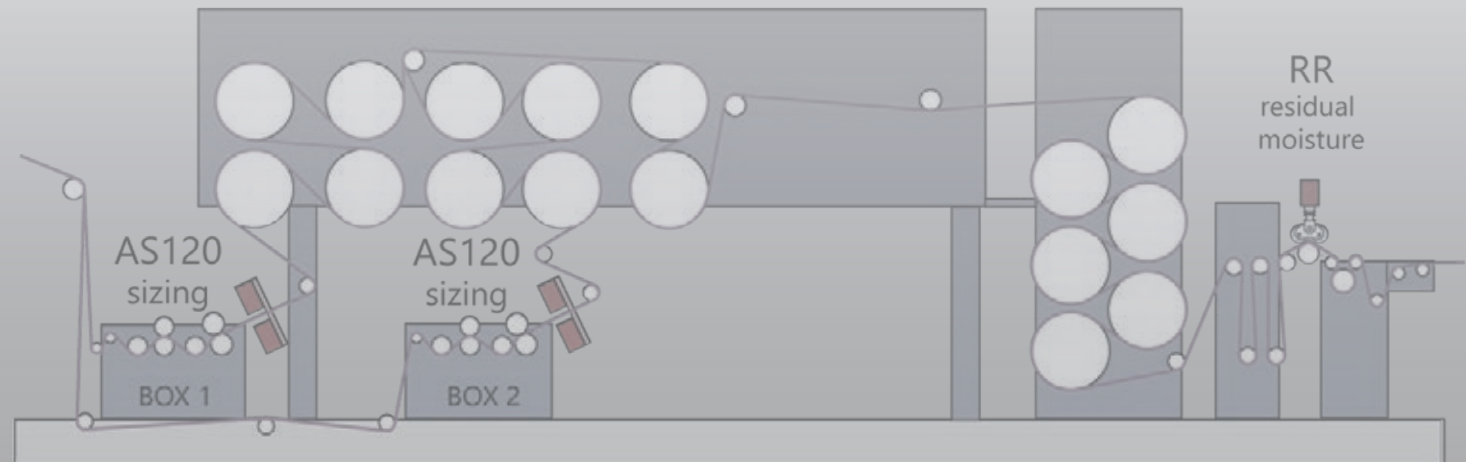
# PLEVA

Sensors and Controls



## Summary

PLEVA is developing and producing sensors and control systems since 1969. Key products are weft-straighteners, sensors for humidity, fabric/air temperature etc.



made in  
Germany

## Company Profile

PLEVA is developing and producing sensors and control systems since 1969. The products are proved of value with great success world wide under extremely hard circumstances from end-users and the machinery industry. The focus of developments is on systems for the online monitoring of industrial processes. PLEVA is represented in all important industrial countries and has service bases worldwide.

## Products / Services

PLEVA sensors measure: exhaust humidity, application moisture, dye liquor pick-up, residual moisture, structure frequency, oxygen, fabric temperature, and more... In addition, the automatic weft-straighteners offer the highest detection and straightening performance due to the high-tech camera system.

The products can be used at heat treatment processes, drying processes, coatings, continuous dyeing, sizing machines, and more.

Therefore, the products help to produce more efficiently, reproducibly, and sustainably.

## References and export activities

PLEVA is represented in all important industrial countries and has service bases worldwide. Customers are in various industries such as textile, paper, nonwovens, foils, wood, automotive, food, and more.

## Target group

Textile producers, industrial production.

## Competitive advantages

High-tech sensors and controls fitted for harsh environments with intuitive operation for the highest efficiency and sustainability in production. PLEVA is characterized by great after-sales service and technological know-how.

## Ideal business partners

Customers in textile area.

# PLEVA

Sensors and Controls

## PLEVA Sensors and Controls

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Languages: English, German

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023

**Mechanical and  
plant engineering**  
Textile machinery

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MITTELSTAND  
**GLOBAL**  
FOREIGN MARKET  
ENTRY PROGRAMME

Project of:



systems for business solutions



# SAURER.

Shaping the future of textiles.  
Your partner. Since 1853.



## Summary

Globally active technology company with a focus on machines and components for yarn production.



  
made in  
Germany

[www.saurer.com](http://www.saurer.com)

## Company Profile

The Saurer Group, founded in 1853, is a leading, globally active technology company with a focus on machines and components for yarn production. As a company with a long tradition, we have always been an innovation leader. Today, the group is a solution provider for the textile industry consisting of two segments. Spinning Solutions offers high-quality, technologically advanced and customer-specific automated solutions for staple fibre processing from bale to yarn. Saurer Technologies specialises in intelligent and economical twisting and cabling machines for tire cord, carpet, staple fibre, glass filament and industrial yarns, which allow customers to adapt flexibly to dynamic market requirements. Automation Solutions provides textile mills with an array of labour-saving systems.

## Products / Services

Spinning Solutions offers high-quality, technologically advanced and customer-specific automated solutions for staple fibre processing from bale to yarn. We have been and still are a highly innovative company constantly looking to find suitable solutions for future trends. We support the textile industry in the areas of sustainability, digitalisation and automation.

## References and export activities

The Company operates worldwide as a well-known company for rotor-, air- and ring-spinning mills. Reference customers in the recycling sector include Giotex in Mexico, Valerius in Portugal and Sesli in Turkey.

## Target group

Spinning mills.

## Competitive advantages

For decades, sustainability has been an important part of Saurer's vision for the future. As the only manufacturer of spinning machinery for all five end-spinning applications for staple fiber, Saurer is today already prepared for processing recycled and regenerated fibers.

## Ideal Business Partners

Spinning mills.

# SAURER.

## Saurer Spinning Solutions GmbH & Co. KG

Carlstrasse 60  
52531 Übach-Palenberg  
Germany

## Saurer Textile Solutions Pvt. Ltd

Unit no. 372, 7th Floor, Bldg no. 3,  
Solitaire Corporate Park,  
Andheri Ghatkopar Link Road, Chakala,  
Andheri (East)  
Mumbai- 400 093

[www.saurer.com](http://www.saurer.com)

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## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023

**Mechanical and  
plant engineering**  
Textile machinery

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ENTRY PROGRAMME

Project of:



systems for business solutions





## Summary

Sedo Treepoint is the world's leading supplier of integrated automation systems, color management systems and control systems.



## Company profile

Sedo Treepoint is the world's leading supplier of integrated automation systems, data acquisition, color management systems and control systems for the textile dyeing and finishing industry. We develop, produce, market and support innovative, integrated solutions according to the latest industrial standards. With more than 45 years of experience in the international textile finishing business, we consult and work with our global network of offices, distributors and agencies to provide the best possible equipment and support to our customers. We are active in more than 90 countries worldwide.

In addition, our solutions help to achieve smarter processes and workflows in production, which leads to an improvement in productivity and quality. Furthermore, the production data logged by our systems, plays a key role in helping management not only to make the right decisions but also to achieve appropriate company certifications.

## Products / Services

Sedomat controllers and IO module, supporting latest communication standards.

SedoMaster MES system, ColorMaster color and recipe management for lab and production, EnergyMaster for energy data collection, TMS/SedoExpert for automatic production planning, Morapex and Qtex for quality and fast testing.

## References and export activities

We deliver our controllers and software systems to almost every country in the world. Around the globe, thousands of Sedomat machine controls are in use, controlling dyeing and finishing machines. Many of controllers are still in production after 20 or 30 years. Currently we export about 90-95% of our machines outside Germany.

## Target group

Textile dyeing and finishing industry, Textile Industry.

## Competitive advantages

Sedo Treepoint products include complete solutions for the textile and especially textile finishing industry. Our product range extends from machine automation to complete plant automation (smart factory). One of our key factors is, that all products work together seamlessly. Sedomat controllers and SedoMaster, the powerful manufacturing execution systems (MES) are the core for the dyeing and finishing industry.

## Ideal business partners

Textile dyeing and finishing companies and textile machinery manufacturers. Customers needing recipe and color management, energy management and quality control.

Automation for new and retrofit machines. Basic to full integration in a complete system (MES/PPS/APS). Companies that want to produce more economic, increase sustainability, lower their carbon footprint.



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Languages: English, German

## Project



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### Summary

The company offers smart software & machine controls with major third-party brand partnerships for sustainable and efficient textile production.



  
made in  
Germany

## Company profile

As pioneers of microprocessor technology in textile machine control and based on the knowledge and experience of 30 years of cooperation with machine builders and manufacturers in the textile industry, you can find our customers worldwide in 76 countries on 6 continents.

Our brand architecture is built on two strong structures – our controller and sensor business, which supports OEM machine manufacturers in enforcing their machines, and our IT-software business that bundles comprehensive finishing process competencies in the production environment.

We have established technical solutions with major third-party brands, allowing for extensive data flow from the color lab to production, dosing, energy systems, and especially ERP.

As a globally active and owner-managed family business with its own manufacturing facility in Hessen, Germany, SETEX combines technical know-how with comprehensive services and exceptionally long-lasting spare parts availability.

## Products / Services

The SETEX product portfolio includes machine controllers, online and handheld optical inspection systems for fabric density, and the OrgaTEX MES platform.

Our SETEX E390 controllers are offering real-time KPIs, intuitive mobile-like usability, web visualization, and IoT functionality.

The OrgaTEX MES platform provides intelligent production specifically for dyeing companies, offering agile process optimization, planning, scheduling, business intelligence analytics and active energy management, providing a new dimension in exchange of data, functions and supply chain transparency.

CamCOUNT is the SETEX system for non-contact process control of stretch, shrinkage and overfeed in textile finishing. The system controls machine parameters via camera sensors to achieve the specified number of threads and stitches.

We have partnerships with the two dominant suppliers of color management and ERP solutions for the textile industry, to provide customized solutions from top experts.

## References and export activities

SETEX is a leading provider of production and performance management solutions for the textile industry, with a presence in 76 countries across six continents.

Our 1250+ OrgaTEX systems sold worldwide automate dyeing and finishing, and as system partner of bluesign®, we ensure the best available technology.

We also have an exclusive interface to the recipe calculation software of the world-leading color management company.

## Target group

Textile machine manufacturers. All textile dyeing and finishing companies, any size, interested in a perfectly matched integrated digital workflow to realize production efficiently and sustainably.

## Competitive advantages

Full solution provider for the conversion of existing machinery along the textile finishing chain to modern control and networked processes for holistic digital central production control with premium system partner standard solutions.

Latest developed, modern and comprehensive production process and recipe software with self-optimizing treatments and parameters, based on formula wizard know-how-management.

## Ideal business partners

Textile machine manufacturers.

Textile dyeing and finishing companies that are about to purchase new machinery to be integrated into a centralized management system.

Plants, where the inventory machines are to be integrated into a central management system.

Manufacturers that want to know their actual production KPIs and process parameters to become more productive, sustainable and compliant.



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Languages: English, German, Tamil

## Project

**Project Showcase**  
**India**  
4<sup>th</sup>-8<sup>th</sup>  
December 2023



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## Summary

German textile machinery manufacturer divided into four business units: Spinning, Nonwovens, Man-Made Fibers, and Card Clothing.



  
made in  
Germany

## Company Profile

Trützschler India Private Limited (TIPLS) was founded in 1977 in Ahmedabad as a part of the Trützschler Group SE. Today, "Trützschler India" is not only the place where machines of international quality are produced for the Indian market, but is also responsible for project planning, sales and nationwide service. TIPLs 36,000 m<sup>2</sup> location is being upgraded with extensive investments in buildings, machinery, and processes to continuously support our customers worldwide.

Trützschler India is active in the business units Spinning and Card Clothing. It also supports the Trützschler Group's Nonwovens activities in India:

- Trützschler Spinning is the technology market leader in spinning preparation for cotton and man-made fibers as well as blends. The product portfolio consists of blow room machines, draw frames, carding and combing machines as well as state-of-the-art recycling machines.
- Trützschler Card Clothing manufactures high performance clothing for blow room, cards, and roller cards.

## Products / Services

TIPL supplies machines and systems for spinning preparation:

- Blow room: Automatic bale openers, openers and cleaners, universal mul-mixers MX-U, foreign part separators and tuft blending installations.
- Cards: High-production Cards in 1 m and 1.28 m working widths. Both card versions can be equipped with 1 and/or 3 licker-in cards with integrated chute feed system.
- Combers: Lap former and High Production Comber. Industry first 12 head comber that delivers outstanding performance and unmatched efficiency.
- Tearing lines: From waste to value, reopen fabrics to reuse again in the spinning process.

## References and export activities

Trützschler Spinning systems are used wherever staple fibers are processed into yarns. The largest markets are China, Pakistan, Brazil, Turkey, India and South East Asia.

## Target group

The target groups are all yarn producing companies. This includes companies that currently operate weaving or knitting mills and are thinking of becoming involved in the preliminary stage in of spinning.

## Competitive advantages

The Trützschler brand has a reputation for cutting-edge technology and innovation, as evidenced by numerous patents. With the support of the German parent company, Trützschler India, delivers the high-quality equipment to the Indian customers. We are the forefront of technology and are continuously striving to add value to our customers.

## Ideal business partners

Contacts to customers as described in target group.

# TRÜTZSCHLER

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Languages: English, German

## Project

**Project Showcase**  
**India**  
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Project of:



SBS  
systems for business solutions



germantech  
.org



## Summary

State-of-the-art production lines and single machinery for the production of nonwovens from natural and man-made staple fibers.



  
made in  
Germany

## Company Profile

Trützschler Nonwovens is a leading supplier of machinery and know-how for the production of staple fiber-based nonwovens. The scope of supply comprises complete production lines and single machinery for hydroentanglement, needlepunch, through-air and chemical bonding processes.

The company looks back on decades of experience in development and manufacturing equipment for fiber opening and blending, web forming and bonding as well as drying, finishing and winding. End products cover a wide range from biodegradable wipes, hygiene products, cotton pads, coating substrates, filter media, geo- and automotive textiles. Raw materials are pulp, all kind of natural fibres, man-made and performance fibers.

## Products / Services

Trützschler Nonwovens is a turn-key supplier of fiber-based nonwoven lines. Our machinery implements the following processes:

- fiber preparation (bale opening, fine opening and blending)
- web forming: roller, random and airlay cards, crosslapper and web drafter
- web bonding: Aquajet and drum dryer for spunlace/hydroentanglement, T-SUPREMA needlelooms by our partner Texnology, wet-laying formers by our partner Voith, foulards and ovens for thermo- and chemical bonding
- winding solutions with fully-or semi-automatic winders

Thanks to various cooperations, Trützschler also supplies recycling lines.

## References and export activities

Installations by Trützschler Nonwovens are used wherever single staple fibers made from biodegradable materials such as pulp, natural and regenerated cellulose (i.e. viscose and lyocell) fibers from renewable resources are processed into nonwoven fabrics. The largest markets are Europe, USA, Turkey, India and far east Countries.

## Target group

Our customers are quality-minded mass producers, nonwoven specialists serving niche markets as well as universities – i.e. players which turn fibers into high-value everyday products for both the local end the export market.

## Competitive advantages

We are a first address for fiber-based, custom-made nonwovens machinery with decades of experience in the field. Our Nonwovens Customer and Technology Center (NCTC) in Egelsbach (15 Minutes from Frankfurt Airport) is fully equipped with industry-scale facilities for manufacturing hydroentangled, wet-laid/spunlaced, Carded/Pulp, needle-punched and through-air bonded nonwovens. NCTC is at disposal for testing new fiber materials, innovative production processes or checking the feasibility of a new product.

## Ideal business partners

Firstly, we want to raise awareness for the potential of fiber-based nonwovens. Many functional and technical end uses can be served best with customized drylaid or wet-laid/spunlaced products.

Secondly, let's discuss sustainable nonwovens made from biodegradable materials such as pulp, natural and regenerated cellulose (i.e. viscose and lyocell) fibers from renewable resources.

Thirdly, we like to introduce T-SUPREMA needlepunch solutions. T-SUPREMA stands for a comprehensive offer of excellent machinery, tailor made lines, Trützschler Nonwovens T-ONE digital working environment and the global Trützschler service network.

**TRÜTZSCHLER**  
NONWOVENS

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## Project

**Project Showcase**  
**India**  
4<sup>th</sup> - 8<sup>th</sup>  
December 2023

**Mechanical and plant engineering**  
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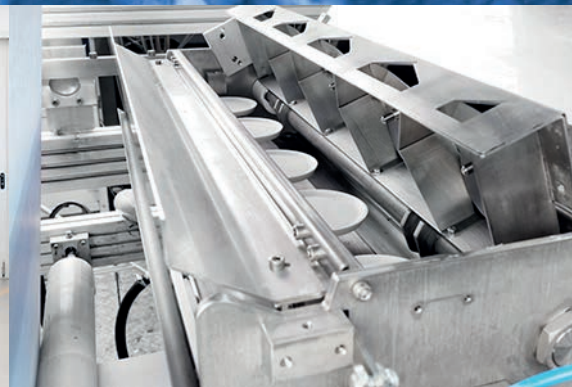
Federal Ministry  
for Economic Affairs  
and Climate Action



Project of:



WEKO



## Summary

**WEKO is a German family owned company manufacturing contact-free rotor spray minimal applications for textile dyeing & finishing.**



  
made in  
Germany

[www.weko.net](http://www.weko.net)

## Company Profile

WEKO – QUALITY MADE BY EXPERTS.

WEKO is a 100% German, second-generation family-owned and managed company. Founded in 1953, we specialize in the development and manufacturing of non-contact, minimal-fluid and powder spray application systems for various industries, including textiles, nonwovens, tissue, paper, foils, wood panels, printing, metal, and more. RotaSpray GmbH was also fully taken over in 2021 and belongs 100% to WEKO Group.

Our expertise is focused on high precision and exact control of the systems. WEKO users save fresh and waste water, chemicals, energy in drying and fixing processes, resulting in clear cost benefits for our customers and our environment.

## Products / Services

WEKO product range can be customized to meet your requirements in collaboration with our project team. WEKO offers powder and liquid applications with spray widths ranging from 400mm to 7200mm, suitable for a wide range of machine speeds of up to 2000 m/min.

For textile applications, we cater to the market with our RotaSpray and WEKO-Fluid-Application (WFA) systems, which include standard horizontal and vertical sprayers, enclosed sprayers, and specialized dyeing sprayers. Feel free to reach out to our team for assistance in configuring a solution that aligns with your specific process need.

## References and export activities

WEKO boasts an installation base of over 6,000 fluid application units and more than 70,000 powder application currently in operation within various production processes.

In the textile dyeing process, the Group has supplied systems to companies such as Nishat Mills (Pakistan) and Shinta Woo Sung (Indonesia). You can watch the Nishat Mills interview on YouTube:

<https://www.youtube.com/watch?v=pbMxuWmaliY>.

For the classic finishing of woven or knitted fabrics or technical textiles, the Group has installed approximately 500 units for water, chemical, and drying energy savings.

## Target group

Dyeing and finishing plants for woven and knitted fabrics. Whether it's for fashion, sportswear, outdoor wear, home textiles, carpets, technical textiles, or anything else.

## Competitive advantages

Special non-contact spray application through rotors, without tailing or variation in center-to-sides distribution. Thanks to the unique rotor spray process, a wide range of liquids and viscosities of up to 100 mPa\*s / 100 cP can be processed. This allows the use of more concentrated formulations compared to other spraying processes or padding.

Precise and minimal application for process cost reduction, resulting in very low operating costs and a global service network.

## Ideal business partners

Textile factories dedicated to dyeing and finishing woven or knitted fabrics with a clear goal of transitioning their production towards a more sustainable approach, thereby reducing waste, conserving water, minimizing chemical usage, and saving energy.



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Languages: English, German

## Project



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## SBS systems for business solutions

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SBS systems for business solutions is a private consulting agency founded in 1999, with over two decades of experience in the planning, development and implementation of international projects. The company offers services such as workshops, events, individually organized B2B meetings, customized market entry strategies and support in the coordination of international teams for the Italian and German-speaking markets.

Since 2006, SBS has organized more than 200 internationalization projects, ranging from delegation trips abroad to large virtual conferences on behalf of several German ministries and other foreign government institutions. In addition, SBS has been awarded the title of "Temporary

Export Manager" by the Italian Ministry of Economic Development. A highly skilled team of project managers with multinational backgrounds at the Berlin and Rome offices is sensitized to the issue of cultural differences and therefore knows how to approach difficult cultural issues. SBS applies cross-cultural thinking and designs custom-made solutions that overcome intercultural borders to find the right partners for its clients. Thanks to a strong partner network and more than 1,000 German and international customers, SBS can facilitate a successful market entry in emerging and most attractive markets worldwide.

## VDMA India

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VDMA India office, acts as a "bridge-head" between German and Indian Industry. Besides it serves the Indo-German economic relations in the different engineering sectors and promotes the activities of VDMA member companies in India.

With almost 20 years of experience and a team of committed and qualified experts, VDMA India maintains close relations with the Indian Industry, Indo-German companies, Embassy and Consulates as well as various Indian Industry Associations through

our offices in Kolkata, Bangalore, Mumbai and Delhi (Noida). VDMA India is the only association of its kind focussing on Mechanical Engineering Industry and is active in various specialised sectors. Over the years, VDMA India has compiled a database of around 42,000 vital contacts across 45 industrial sectors in India. Intensive and varied activities of VDMA India since many years, has led to closer co-operation between the members of the specialised associations within VDMA and their Indian customers.

### VDMA East India Office

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## VDMA – Mechanical Engineering Industry Association

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With more than 3,600 members, the VDMA is the largest network organization for mechanical engineering in Europe. The association represents the common economic, technological and scientific interests of this diverse industry.

Constantly looking to the future has been a key characteristic of the VDMA for over 125 years. The VDMA was founded in November 1892 and is the most important voice for the mechanical engineering

industry today. It represents the issues of the mechanical and plant engineering sector in Germany and Europe. It successfully accompanies its members in global markets. Its technical expertise, industry knowledge and straightforward positioning make it a recognized and valued point of contact for companies as well as the general public, science, administration and policy makers.

## VDMA Textile Machinery Association

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The about 150 textile technology manufacturers organised within the VDMA Textile Machinery Association represent approximately 90 % of Germany's total production volume in this field. The main activities of the Textile Machinery Association are economic and technical representation of the branch's interests, exchange of experiences as well as services, such as statistics, observation of significant markets and reporting on the situation in the textile

industry throughout the world. As part of the European Textile Machinery Association Cematex, VDMA is co-owner of the world's largest international textile machinery exhibition ITMA (September 16 – 22, 2027, Hannover, Germany, [www.itma.com](http://www.itma.com)). German technology is also presented during VDMA conferences, B2B meetings and business delegations worldwide towards relevant stakeholders from the textile and nonwoven industry.

### VDMA Textile Machinery Association

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**Business success through cross-culture thinking**

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