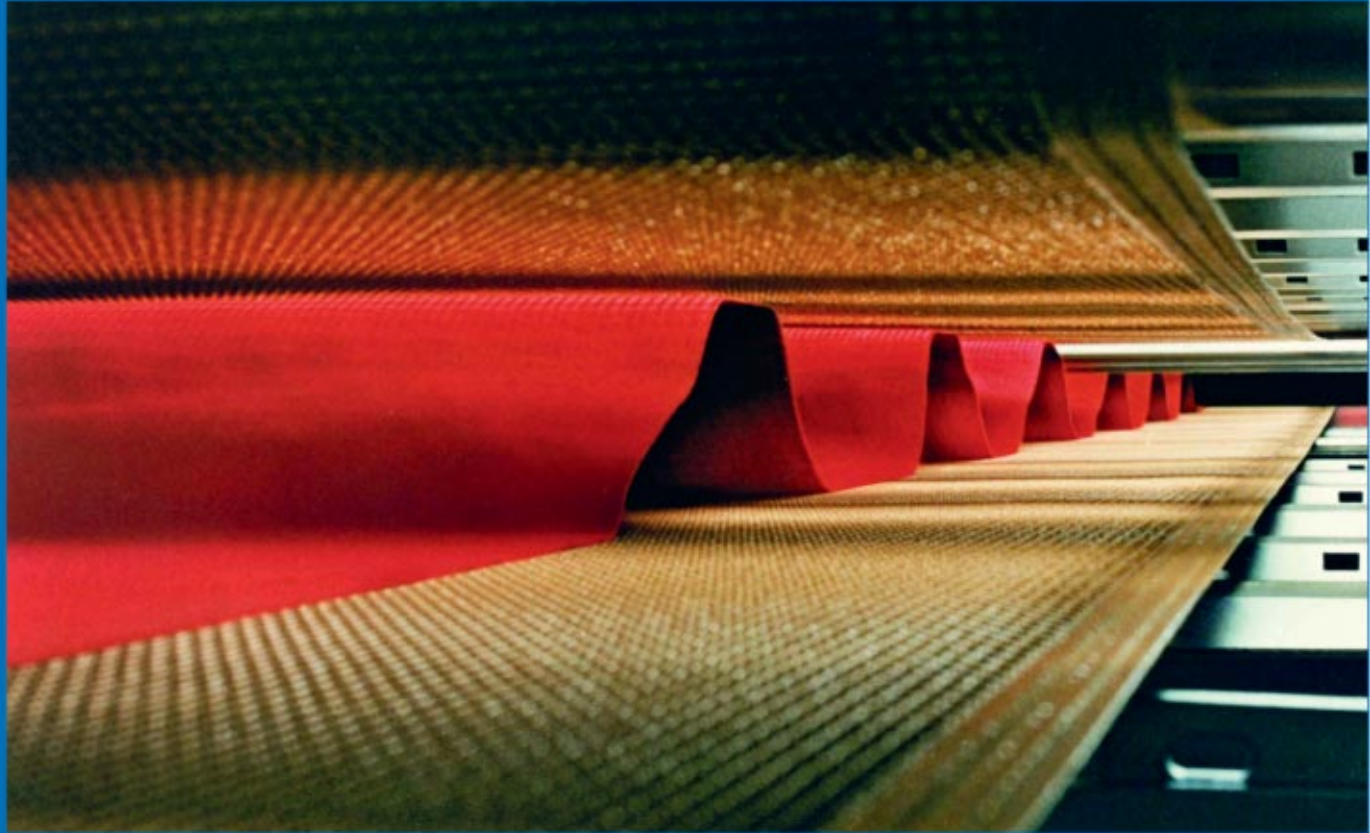


# Conference on German Technology for Indian Technical Textiles



## For Sustainable Competitive Advantages

8<sup>th</sup>–9<sup>th</sup> March 2010, New Delhi, FICCI, Federation House

11<sup>th</sup>–12<sup>th</sup> March 2010, Mumbai, Taj President

**Register now**



**Smt. Rita Menon**  
Secretary  
Ministry of Textiles  
Government of India

I am pleased to learn that FICCI and VDMA are jointly organizing a Conference on "German Technology for Indian Technical Textiles" in New Delhi and Mumbai. Technical Textiles is an emerging sector in India with

an immense potential to grow. The domestic market size of technical textiles in the country is expected to grow at the rate of 11% per annum and will reach Rs. 66,414 crore by 2012, which is about Rs. 37,115 crore at the moment. The segment has a potential to attract large investments and create additional employment opportunities in coming years. The changing economic sce-

nario in the country will boost the demand for technical textiles. A number of initiatives have been taken-up by Ministry of Textiles to promote the usage of technical textiles in India and incentivise exports. We would urge the German Technology companies to take advantage of this opportunity and look for investing in India. I wish the conference a great success.



**Greeting of H.E. Thomas Matussek,**  
Ambassador of the  
Federal Republic of  
Germany to India,  
New Delhi

With a bilateral trade volume of over € 13 billion in 2008 and cumulated FDI of close to € 2 billion, Germany is India's most prominent trade and investment partner within the EU. Today, Germany is India's second largest partner for industrial colla-

borations. As of now, machinery takes a lion's share of about 40% in Germany's exports to India. As regards to imports, textiles remain at the top of the chart of Indian exports to Germany with a share of 23%. The German Textile Machinery sector represents one of the top performance branches within Germany's mechanical engineering industry. High technological standards, efficient business execution and long-term commitment have earned German companies an excellent reputation and prominent position throughout the world, including in India. In 2008 the branch exported textile

machinery worth about 3.0 billion € and is at the head of the standings by international comparison. The branch has long standing business relations with Indian textile manufacturers. Consequently, India is the third most important market with German textile machinery exports worth 102 million € (January–September 2009). The technology lectures and meetings during the conference will certainly deepen the relations and reveal new business opportunities in the growing market of technical textiles' production. I wish all participants a successful conference.



**Dr Amit Mitra**  
Secretary General  
FICCI

We are pleased to be associated with Germany and in particular VDMA in the area of Technical Textiles which holds immense potential in India. Technology is a key to the competitiveness of an industry and German technology is highly regarded world-

wide. I am sure the partnership between India and Germany in Technical Textiles can play a major role in the growth and development of this industry in India. Currently, India's contribution to global technical textiles market is insignificant. But, we are optimistic that the changing economic scenario in the country will boost the demand for technical textiles. India has the potential to emerge as a key player in technical textiles industry given our highly skilled and scientific/technical manpower and abundant availability of raw material. We recognize that the life cycle cost of technical tex-

tiles is lower than the traditional materials and textiles. Technical textiles can play an important role in the sustainable economic development of the country. Ministry of Textiles, Government of India has set up four Centres of Excellence (CoE) for Agrotech at Mumbai; Geotech at Ahmedabad; Meditech at Coimbatore; and Protech at Ghaziabad for the capacity building of domestic manufacturers. It is the right time for India and Germany to join hands and work towards the growth and development of this sector in the country.



**Greeting of Boris Abadjieff,**  
VDMA Textile  
Machinery Association

The perspectives of technical textiles in India are excellent. This applies both for the production and consumption of technical textiles in India. The market size of technical textiles is expected to grow at a rate of 11% per annum and will reach 66,414 crore by 2012. Whether a textile producer can bene-

fit from this market potential or not depends – among other factors – on the right technology. In other words: Machinery and components are keys to competitiveness in the production of technical yarns, in the production of technical fabrics as well as in the finishing process of technical textiles. Manufacturers of technical textiles have the opportunity to inform themselves about the latest developments in machinery for the production and processing of technical textiles. For this purpose 18 well known German textile technology manufacturers will be presenting their innovations that enable textile producers in the region to enhance

their position in the technical textiles' market by providing sustainable competitive advantages. The technology lectures cover all kind of technical textile applications such as Mobiltech, Buildtech, Clothtech, Medtech and Geotech. We are glad that both Conferences in New Delhi and Mumbai are jointly organised and supported by FICCI, VDMA-India and the VDMA German Textile Machinery Association. We cordially invite interested textile manufacturers in the region to register now. VDMA and its member companies are looking forward to meeting you for mutual and long-lasting business relations.



## Sustainable success by anticipating Life Cycle Costs

Thomas Waldmann, Managing Director  
VDMA Textile Machinery Association

In tomorrow's technical textile market only a decreasing number of companies will succeed in yielding significant margins in sales price on the market. Therefore, success substantially depends on the quality of the technical textile and the technological excellence as well as reliability of the manufacturing process – the core know-how of a technical textile producer. And a fundamental aspect of the manufacturing process are its costs.

But there is still a wide-spread lack of clear knowledge about the attribution of the costs according to the cause-and-effect-chain. Often it becomes evident, that cost structures are inadequately known and that no reliable empirical values are at hand. Energy costs will remain very decisive, and also "waste" may account for a considerable share of the manufacturing cost. Regarding total cost in the technical textiles sector, raw material accounts on average for more than 50 % of the costs. The impact of various cost shares underlines that cost should be planned strategically!

### Where the real iceberg lies

Today it is clear that during the entire lifetime of an investment good the investment costs represent only about 10 to 50 % of the overall costs. This phenomenon is comparable with an iceberg – only its top is visible from above the water surface while the real iceberg lies underneath. How avoid professional decision-makers to overlook the "hidden" or non-obvious ownership costs in making purchase decisions, planning new textile products or preparing budgets? The answer is good analysis and proper estimates of cost elements and the application of a Life Cycle Cost approach. Also known as Total Cost of Ownership, the models examine all costs from acquisition to sale or disposal in a way that every important cost item is included and that everything irrelevant is excluded.

### Forecasting Model for Life Cycle Cost of Machines and Plants

The "Forecasting Model for Life Cycle Cost of Machines and Plants" [VDMA-Specification 34160] has been set up by VDMA, the German Engineering Federation. VDMA is a major partner for German DIN as well as European EN and international ISO standards. In addition, for more than 40 years it has published 200 so-called VDMA-specifications in more than 30 different machinery branches.

### Pay-back consideration versus Life Cycle Cost calculation?

Nowadays many investors focus decisions on a short pay-back period. Is this strategy in contradiction with Life Cycle Cost calculation? No, but it is just part of the management tool case. Pay-back consideration focuses only on short-term parameters to determine how long it takes to re-finance the investment through the cash flow. But it does not automatically guarantee a high profit margin and to an even lesser extent sustainable long-term profitability. It should not be forgotten that most mills continue to operate their machines a long time beyond the pay-back period. On average in the textile sector, more than 60 % of the installed capacity is older than 10 years!

### Balancing the risks of an entrepreneur and understanding of cost drivers and profit potential

The Life Cycle approach is an important tool but can of course not eliminate the risks of an entrepreneur. Especially in the technical textile industry, specialized technology may provide unique strategic chances which can hardly be calculated by any method. Strictly speaking, Life Cycle Cost calculation pays no attention to business benefits other than cost savings. For calculation purposes, benefits from all alternatives are considered more or less equal, and choices differ only on the cost side. However, it is essential to consider the whole product life cycle to better understand the cost drivers and the profit potential. The VDMA standard provides the necessary structure for calculations. Even without precisely calculating all cost items and preferably using proper estimates, by and by the Life Cycle Cost approach will almost automatically become a more precise and professional management tool. The Life Cycle Cost calculation does not replace good sense for future markets and product chances but supports decision-making for a long-term success.

The author is Managing Director of the VDMA Textile Machinery Association. Some 3,000 companies are member of VDMA, the branch occupies ~ 800,000 employees and generates a turnover of more than 170 bn. €. The VDMA Textile Machinery Association represents the 120 most important German textile machinery producers, the turnover accounts to more than 3 bn. €, with a 90%-share of exports on average the branch is internationally leading amongst German Engineering.

Phone +49 69 6603-1271

Fax +49 69 6603-2271

Internet [www.vdma.org/textile](http://www.vdma.org/textile)

# Conference on German Technology for Indian Technical Textiles

8<sup>th</sup>–9<sup>th</sup> March 2010 New Delhi, 11<sup>th</sup>–12<sup>th</sup> March 2010 Mumbai

<b>New Delhi 8<sup>th</sup> March 2010</b>		Venue: FICCI, Federation House, Tansen Marg, New Delhi-110 001	
10:00	Registration of participants and welcome coffee / tea		
10:30 – 11:15	Inaugural Session		
Time	Machinery & components for the production of technical yarns & fabrics	Speaker	Company
11:15 – 12:00	Technical Textiles: Solutions from Yarn to Fabric	Atul Vaidya	Oerlikon Barmag
12:00 – 12:45	Online Measurement: Prospects and visions for process control	Reinhold Moser	Lenzing Instruments
12:45 – 13:30	Lunch		
13:30 – 14:15	Latest innovations for efficient and market-oriented production of technical yarns and tire cord on Allma cabling and twisting systems	Armin Geigle	Oerlikon Saurer
14:15 – 15:00	Yarns and fibres for technical textiles: state of the art in testing	Dr. Ulrich Mörschel	Textechno
15:00 – 15:30	Coffee break		
15:30 – 16:15	Application of Nonwovens in Hygiene and Medical Products	Alexander El Helw	Fleissner
16:15 – 17:00	Advanced solutions for synthetic fiber and nonwoven products	Chetan Bhagat	Oerlikon Neumag
Time	Machinery & components for the finishing process of technical textiles	Speaker	Company
11:15 – 12:00	Superior Solutions for Coating and Bonding Processes	Jochen Stillger	A. Monforts Textilmaschinen
12:00 – 12:45	Interior components for automotive industry	Adam Jozwik	Goller Textilmaschinen
12:45 – 13:30	Lunch		
13:30 – 14:15	Measuring and control devices for technical textiles	Matthias Wulbeck	MAHLO
14:15 – 15:00	New frontiers in piece dyeing of industrial textiles	Kurt Müller	THEN Maschinen
15:00 – 15:30	Coffee break		
15:30 – 16:15	On-line Measuring and Control Devices for Technical Textiles	Volker Müller	PLEVA
16:15 – 17:00	Innovative solutions for the energy-optimized treatment of planiform materials	Thomas Wiederer	BRÜCKNER Textile Technologies
Evening	Reception by the German Ambassador (on invitation only)		

<b>New Delhi 9<sup>th</sup> March 2010</b>		Venue: FICCI, Federation House, Tansen Marg, New Delhi-110 001	
10:00	Registration of participants		
Time	Machinery & components for the production of technical yarns & fabrics	Speaker	Company
10:30 – 11:15	Groz-Beckert systems and services along the textile chain	Dr. Thomas Bischoff	Groz-Beckert
11:15 – 12:00	Warp knitting solutions for composites, geotextiles and banner fabrics	Axel Wintermeyer	KARL MAYER Malimo
12:00 – 12:45	Karl Mayer OOM Sectional Warper – Ultimate solution for Woven Technical Textiles	Hans Karl Varga	KARL MAYER Textilmaschinenfabrik
12:45 – 13:30	Lunch		
13:30 – 14:15	How DORNIER weaving machines can contribute to an efficient production of geotextiles	Alois Felder	Lindauer DORNIER
14:15 – 15:00	Nonwovens for the Automotive Industry and others	Hjalmar Schwab	DILO Systems
15:00 – 15:15	Coffee break		
15:15 – 16:00	Focus on Geotextile	Frank Kieras	ERKO Trützschler

<b>Mumbai 11<sup>th</sup> March 2010</b>		Venue: Taj President Hotel 90, Cuffe Parade, Mumbai 400 005	
10:00	Registration of participants		
10:30 – 11:15	Inaugural Session		
11:15 – 11:45	Coffee break		
Time	Machinery & components for the production of technical yarns & fabrics	Speaker	Company
11:45 – 12:30	Focus on Geotextile	Frank Kieras	ERKO Trützschler
12:30 – 13:15	Nonwovens for the Automotive Industry and others	Hjalmar Schwab	DILO Systems
13:15 – 14:00	Lunch		
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# Conference on German Technology for Indian Technical Textiles

8<sup>th</sup>–9<sup>th</sup> March 2010 New Delhi, 11<sup>th</sup>–12<sup>th</sup> March 2010 Mumbai

Mumbai 12 <sup>th</sup> March 2010			
Time	Machinery & components for the production of technical yarns & fabrics	Speaker	Company
10:00	Registration of participants and welcome coffee / tea		
10:30 – 11:15	Advanced solutions for synthetic fiber and nonwoven products	Chetan Bhagat	Oerlikon Neumag
11:15 – 12:00	Application of Nonwovens in Hygiene and Medical Products	Alexander El Helw	Fleissner
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15:00 – 15:15	Coffee break		
15:15 – 16:00	Technical Textiles: Solutions from Yarn to Fabric	Atul Vaidya	Oerlikon Barmag

## The company presentations will primarily inform about Textile machinery & components for the

- production of technical yarns
- production of technical fabrics
- ▼ finishing process of technical textiles

	Agrotech	Buildtech	Clottech	Geotech	Hometeach	Indutech	Medtech	Mobiltech	Oekotech	Packtech	Protech	Sporttech
A. Monforts Textilmaschinen GmbH & Co. KG	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
BRÜCKNER Textile Technologies GmbH & Co. KG	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
Dilo Systems GmbH		■		■	■	■	■	■				
Lindauer DORNIER GmbH				■							■	
Goller Textilmaschinen GmbH			▼		▼		▼	▼				
Groz-Beckert KG		■		■				■				
KARL MAYER MALIMO Textilmaschinenfabrik GmbH		■		■		■		■				
KARL MAYER Textilmaschinenfabrik GmbH	■	■	■	■	■	■	■	■	■	■	■	■
Lenzing Instruments GmbH & Co. KG	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼	●■▼
Mahlo GmbH & Co KG	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
Oerlikon Barmag Zweigniederlassung der Oerlikon Textile GmbH & Co. KG				●		●		●				●
Oerlikon Neumag Zweigniederlassung der Oerlikon Textile GmbH & Co. KG	●■	●■	●■	●■		●■		●■				
Oerlikon Saurer Zweigniederlassung der Oerlikon Textile GmbH & Co. KG – Allma Product Line	●		●	●	●	●	●	●		●	●	●
PLEVA GmbH	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
TEXTECHNO Herbert Stein GmbH Co & KG	●	●	●■	●■	●■	●■	●■	●■	●	●	●■	●
THEN Maschinen GmbH			▼		▼						▼	▼
Trützschler Nonwovens Group ERKO-Trützschler				■								
Trützschler Nonwovens Group Fleissner							■					



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# Conference on German Technology for Indian Technical Textiles

8<sup>th</sup>–9<sup>th</sup> March 2010 New Delhi, 11<sup>th</sup>–12<sup>th</sup> March 2010 Mumbai

## Companies A–Z



**A. Monforts Textilmaschinen GmbH & Co. KG**  
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Monforts founded in 1884 is a world leading supplier for a comprehensive range of machines for dyeing and finishing, e.g. stenters, hotflues, continuous dyeing ranges, relaxation dryers and compressive shrinking ranges (sanfor) for woven and knitted fabrics as well as for Technical Textiles and nonwovens. Heat recovery systems for low energy consumption as well as automation and Teleservice are state of the art technologies for Monforts machines. The speaker Mr. Jochen Stillger is mechanical engineer and is involved

in the sales and marketing of textile finishing machinery for the last 12 years. He is working on the Indian market for more than 10 years now.

Subject of his lecture will be:  
Superior Solutions for Coating and Bonding Processes

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



**BRÜCKNER Textile Technologies GmbH & Co. KG**  
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Since the beginning of the non-wovens industry BRÜCKNER is one of the pioneers in this field and has heavily influenced and advanced a great number of processes and technologies with its innovative machinery solutions. Thanks to these efforts BRÜCKNER has a leading position in the market in many areas of nonwovens consolidation and nonwovens finishing. Also the request for energy-saving and ecological machinery systems has been for more than fifteen years subject of intensive research

and development works by BRÜCKNER. Investments in advanced production technology, advanced training of highly qualified staff members and a narrow cooperation with industrial associations and research institutes will guarantee the position of BRÜCKNER as first-class partner also in future.

[www.brueckner-tm.de](http://www.brueckner-tm.de)



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DiloGroup – Engineering for Nonwovens – consists of:

DiloSystems –  
General Contractor and Service

DiloTemafa –  
Opening and Blending Equipment

DiloSpinnbau –  
Carding and Airlay Machines

DiloMachines –  
Crosslapping and Needling Machines

The DiloGroup – the leading machinery builder for the nonwoven industry supplies complete nonwoven production lines of the different process technologies for all kinds of disposables and durables such as domestic and geotextiles, automotive and technical applications, filters, artificial leather, paper maker felts and natural fibre fabrics as well as for lightweight webs which may be used in cosmetics, medicine and hygiene.

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



**Lindauer DORNIER GmbH**  
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Lindauer DORNIER GmbH is a leading producer of weaving machines since 1950. The production range comprises rapier and air-jet weaving machines for all kinds of technical fabrics.

Due to its intelligent positive filling insertion system, the guided filling transfer in the middle of the fabric, the DORNIER rapier weaving machine allows the trouble-free and twist-free processing of nearly all kinds of yarn beginning from 7 den up to 3333 tex. Difficult to weave yarns such as carbon up to 50 K,

aramide, PES in 1100 dex as well as monofilaments, rovings or twisted yarns from glass can be easily processed to highly dense or wide open mesh fabrics, in single or multi-layer formation.

Thus the DORNIER machines are the perfect tools for producing technical textiles such as airbags or geotextiles.

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

## Companies A–Z



**Goller Textilmaschinen GmbH**  
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Goller Textilmaschinen GmbH located in Schwarzenbach/Saale, Germany, is part of Fong's Industries Group. Company with its experience, knowledge and expertise gained over more than 50 years, designs, manufactures and sales ranges for continuous wet finishing of woven as well as knitted fabrics.

Ranges for fabric washing for automotive industry are important part of Goller scope of supply. These are ranges for spun-oil removal from fabric for car seats cover, car ceiling

and pillar linings as well as desize washing ranges for airbags fabric. Goller technology for above mentioned technical textiles will be presented by Mr. Adam Jozwik.

Mr. Jozwik has a position of Area Sales Director at Goller Textilmaschinen GmbH. His main sales area is part of Asia and Africa.

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

## GROZ-BECKERT®

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Needles and precision components from Groz-Beckert

Groz-Beckert has been producing precision needles and components since 1852.

The company has a workforce of 6,500 people and runs a large number of production and sales companies worldwide. Today Groz-Beckert provides precision components for all sectors involving the production of textile fabrics:

Products for knitting, weaving, felting, tufting and sewing.

Groz-Beckert Asia Private Ltd. in Chandigarh with branch offices in Ludhiana and Tirupur represents the interests of Groz-Beckert in India, holding stocks and offering technical support all over the country.

Dr. Thomas Bischoff, Senior Manager, Development Textile Applications, will present on behalf of the Groz-Beckert group the topic "systems and services along the textile chain".

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



**KARL MAYER MALIMO**  
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KARL MAYER Malimo company introduction

For many years the innovative and globally well known textile machine producer KARL MAYER Textilmaschinenfabrik and its daughter company KARL MAYER Malimo have been developing and producing highest level textile machinery to fulfil the various demands and challenges of the technical textile markets.

With its determination to push potential and innovative markets such

as the composite market into new dimensions and the availability of experience, the most modern machine design software and machine tooling equipment available KARL MAYER Malimo is dedicated to continuously develop the necessary machinery to meet not only today's challenges but more importantly tomorrow's market and customer demands.

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



**KARL MAYER**  
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**Agent / subsidiary**  
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The KARL MAYER sectional warper Opt-O-Matic with its various possibilities of tension control for the band build-up offers a solution for all technical textiles to be worked. The machine can be specified for beams up to 5,400 mm length and 1,250 mm beam diameter. The beaming tension can be as low as 100 N and as high as 30,000 N. The standard accessories such as leasing-, waxing-, press roller- and anti static-device are available. Other special patented equipment such as laser-controlled band build-

up including motor driven S rollers as well as direct warping from the creel are upgrading the machine to the top level. Various creel tensioners like the KFD compensating-, Accutense hysteresis- and latest our motor driven Multitense-yarn tensioner are providing an excellent yarn tension. Additional accessories can be provided.

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



## Companies A–Z

### LENZING INSTRUMENTS



**Lenzing Instruments GmbH & Co. KG**  
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**Agent / subsidiary**  
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Through its longtime presence with testing equipment on the Indian market, Lenzing Instruments is already well known, not only to producers of technical yarns and textiles, but also to producers of staple fibers, nonwovens and plastic films.

Since more than 20 years now, Lenzing Instruments is represented on the Indian market by Tirupati Technik. Herewith Indian customers are provided with professional support for Lenzing Instruments whole product range, including product- and process control systems for

laboratory-, at-line, and online testing. Lenzing Instruments lecture at the Road Show will give us a picture of the status quo of process control as well as a vision about how process control could develop in the future and the positive effects it will have on the production process.

[www.lenzing-instruments.com](http://www.lenzing-instruments.com)

### mahlo

trendsetting technology worldwide



**Mahlo GmbH & Co KG**  
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Trendsetting technology. Worldwide.

Mahlo GmbH + Co. KG is one of the world's leading manufacturers of monitoring, control and automation systems for not only the textile and allied finishing industries but also the paper, foil and coating sectors. This long-established company has remained up to now a family-owned concern that has steadfastly maintained its standing in the global marketplace. Due to the exorbitant rising costs for raw material, energy and

water as well as the high expenses for pollution control it is more important than ever to keep an eye on these issues. The aim is to work together with the customer to identify the most competitive and cost-effective production solutions. The ultimate purpose of this strategy is to maximize ROI by reducing the usage of energy, raw material and human resources while optimizing quality, equipment utilization and work flow.

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

### oerlikon barmag



**Oerlikon Barmag Zweigniederlassung der Oerlikon Textile GmbH & Co. KG**  
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With its booming economy, India has huge demand for high-end technical textiles particularly in the automotive industry and for infrastructure projects. As the basis for tires, belts, tarpaulins and geotextiles, industrial filament yarns made from polyester and polyamide have to fulfill the most diverse requirements. In collaboration with partners, Oerlikon Barmag offers various solutions for the efficient production of yarn all the way through to the finished product. Oerlikon Barmag, a division of Oerlikon Textile GmbH & Co. KG, is

the world market leader for man-made fiber spinning equipment. The company's highly-qualified engineers develop technologically-leading products for tomorrow's world. Atul Vaidya, Senior Sales Manager at Oerlikon Barmag in Mumbai, received an MBA degree in production engineering from the University of Mumbai. Since 15 years he is key account manager for Oerlikon Barmag's Indian customers.

[www.barmag.oerlikontextile.com](http://www.barmag.oerlikontextile.com)

### oerlikon neumag



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Oerlikon Neumag is an engineering and machine manufacturing company and provides the most comprehensive portfolio of products and services for the production of nonwovens and fibers for technical textiles.

The presentation will focus on three technologies which all play a major role in the technical textile industry. The carding technology contains complete lines from carding via crosslapping and

needle punching to winding for applications like geotextiles, automotive, filtration or roofing.

The Meltblown technology offers a huge potential for the production of fine fiber barrier fabrics or filtration composite media.

Oerlikon Neumag also offers plants for the production of synthetic staple fibers used in carded nonwovens or other technical applications.

[www.neumag.oerlikontextile.com](http://www.neumag.oerlikontextile.com)

## Companies A–Z

**oerlikon**  
saurer



**Oerlikon Saurer Zweigniederlassung der Oerlikon Textile GmbH & Co. KG – Allma Product Line**  
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Competence in twisting Allma Product Line is part of Oerlikon Saurer, a business unit in the textile segment of the globally successful technology group OC Oerlikon. With groundbreaking technological innovations, Oerlikon Saurer is the leading international supplier of top-performing twisting and cabling systems. For decades already, the Allma Product Line has been constantly setting new technological milestones in twisting technology. Allma production systems offer leading technology all over the world for tire cord and technical yarns.

The Allma product range for technical yarns and tire cord comprises the two-for-one twisting machine Allma TCS for all technical yarns and the high-performance direct cabling and twisting machine Allma CC3 for tire cord and technical yarns.

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

**PLEVA**



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Company PLEVA is developing and producing sensors and control systems since 1969. The company is represented in all important industrial countries and has service bases worldwide.

Our products are:  
- Sensors for measuring coating add-on, fabric temperature, air humidity at high temperatures, residual moisture, oxygen, air permeability, dye liquor pick-up, size add-on

- Advanced process visualization and control solutions for coating plants, stenter frames, continuous dyeing machines, driers, shrinkage machines, sizing machines
- High-tech straightening machines and systems for woven and knitted goods
- Structure detectors with camera technology for distortion analysis, pick/course counting and width measurement

[www.pleva-controls.de](http://www.pleva-controls.de)

**Textechno**  
textile testing technology



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Since its foundation 60 years ago TEXTECHNO has proved – over the years – to be one of the leading manufacturers of testing instruments for the textile- and man-made fibre industry. As a result of excellent reliability, innovative design, and unique technical features TEXTECHNO's instruments are also playing an important part in the quality control of the technical textile industry.

The range of products comprises fully automatic testers for the determination of tensile strength,

linear density, shrinkage, crimp, interlace, and friction on high-tenacity fibres and yarns.

Outstanding examples are the fully automatic single-fibre tester FAVIMAT-AIROBOT 2 as well as the automatic tensile tester for high-tenacity yarns STATIMAT 4U.

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

**THEN**  
The Technology Leader



**THEN Maschinen GmbH**  
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THEN is the leading supplier of 21<sup>st</sup> century piece dyeing technology. Its unbeatable dyeing economy and dyeing ecology are based on the unrivalled THEN-AIRFLOW® concept that enables huge savings in water, energy, chemicals, dyestuffs and discharge volumes.

The THEN-AIRFLOW LOTUS machine, in particular, has transcended the traditional boundaries of jet piece dyeing, enabling even extremely sensitive fabrics hitherto confined to beam dyeing to be pro-

cessed with dramatically improved productivity and economy.

Successful applications of this advanced dyeing technology to date include functional fabrics with up to 49% of spandex content, spacer fabrics, Evolon® fabrics, anti-ballistics fabrics, parachute fabrics, and automotive products.

THEN has state-of-the-art production facilities in Germany and China.

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

# Conference on German Technology for Indian Technical Textiles

8<sup>th</sup>–9<sup>th</sup> March 2010 New Delhi, 11<sup>th</sup>–12<sup>th</sup> March 2010 Mumbai

## Companies A–Z

**TRÜTZSCHLER**  
NONWOVENS  
ERKO · FLEISSNER



**Trützschler Nonwovens Group**  
**ERKO-Trützschler**  
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Mr. Kieras is a mechanical engineer with professional background on the non woven technology and sales activities in the Middle and Far East market. He is responsible for the complete Trützschler Nonwovens Group within the Indian market with focus on complete production lines for high end non woven products. Mr. Kieras spent about 5 years in the United States to gain special experience and is well known to the Indian costumers for more than 10 years. The Trützschler Nonwovens Group consist of the company ERKO Trützschler for opening and blending

equipment as well as web forming and needle punching and the company of Fleissner for the thermo bonding process and spunlace treatment. Together with the company of Trützschler Card Clothing this Group seems to be a strong partner to the nonwoven Industries. The presentation with "Focus on Geotextile" will highlight on the actual situation on this part of technical textile with opportunities for the Indian market.

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

**TRÜTZSCHLER**  
NONWOVENS  
ERKO · FLEISSNER



**Trützschler Nonwovens Group**  
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The Trützschler Nonwovens Group consists of the companies ERKO and FLEISSNER. ERKO is a manufacturer for opening and blending equipment as well as web forming and needle punching and Fleissner for thermo bonding, drying, resin bonding and spunlace equipment.

professional background on the non woven technology.

He is responsible for the overall equipment of the Trützschler Nonwovens Group within the markets of the US and Middle East.

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

Together with the company of Trützschler Card Clothing this Group represents a strong partner for the nonwoven Industries.

Mr. El Helw has an engineering degree of textile technology with

## Supporting Organisations / Venues



**VDMA**  
**German Engineering Federation**  
**Textile Machinery Association**

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### VDMA North India Office

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### Venue in New Delhi:



**FICCI • Federation of Indian**  
**Chambers of Commerce & Industry**

Federation House, Tansen Marg  
New Delhi-110 001  
Phone 011 011-23 70 80 65 (Direct),  
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### Venue in Mumbai:

#### Taj President Hotel 90

Cuffe Parade, Mumbai 400 005  
[www.tajhotels.com](http://www.tajhotels.com)

# master the art of innovation



ITMA 2011  
www.itma.com



22nd - 29th September 2011  
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## Innovating to drive your business

Innovation is the key to success in today's globalised, knowledge-based economy - and ITMA has been offering innovative solutions for the textile industry since its launch way back in 1951.

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Exhibits span the entire textile and garment making chain, presented in distinct product sectors so that visitors can easily source all their requirements under one roof. In 2011 there will be renewed focus on the key sectors that address exciting new trends in areas such as textile processing, garment making, non-wovens, technical textiles and logistics.

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