



world of home textiles

**MONFORTS
REFERENCE
CUSTOMERS**



100% cotton with printed double stitch effect and a stone washed dyeing treatment provide Zaber & Zubair with a denim 'look' ... see page 15

Differentiation is the key

As was reflected at the highly successful Heimtextil 2016 in Frankfurt, the home textiles market is currently extremely healthy.

It is a very important growth engine for those countries to which the textile industry currently contributes significantly to improving living standards.

As noted opposite, Pakistan, is now enjoying tremendous business within the European Union as a result of a new trade agreement, but Bangladesh, India, Turkey and of course China, also continue to flourish.



Home textiles, however, are equally important to countries like Germany, where the manufacturing of commodity apparel products is no longer viable.

The latest performance figures from the Association of the German Home Textiles Industry are very encouraging, especially when it comes to exports, but the total of 2,866 global companies present at Heimtextil 2016 suggest a highly competitive, if not over-crowded market place.

As a consequence, product differentiation can often be as much the key to success as price and this is where Monforts can help.

We continue to develop the finishing technology platforms from which our customers can develop the winning products to ensure they maximise their quality, efficiency and profitability.

Let us help make your home furnishing fabrics stand out from the crowd!

Roland Hampel,
Managing Director

HEIMTEXTIL

Pakistan makes the most of GSP- plus



For Pakistan-based manufacturers of home textiles, Heimtextil in Frankfurt remains the most important trade show of any year, but the recent shows have become of even greater significance following a new trade deal.

At the start of 2014, Pakistan's new 'GSP-plus' status came into effect with the European Union; ensuring that Pakistan home textiles manufacturers pay no tax on the goods they sell to the 27-nation bloc for ten years.

This has given the industry a clear advantage over several important competitors, including India, Indonesia, Thailand, Vietnam and, not least, China.

As a consequence, Pakistan's Commerce Minister Khurram Dastgir Khan announced in late 2014 that textile exports to the EU increased by over \$1 billion in the first ten months of the year.

Before GSP- plus, textile exports faced customs tariffs of between 6.4 and 12%.

Home Textile producers participating at Heimtextil 2016 and enjoying the benefits of Monforts finishing lines included:

**Abdul Rahman Corp
Adamjee Enterprises
Afroze Textiles
Agaoglu Tekstil
Al Karam
Alok Industries
Amtex Ltd
Arzoo Enterprises
Berteks Tekstil
Bierbaum Group
Bismillah Towel Group
Boyteks Tekstil
Crescent Textile Mills
Curt Bauer**

**Döhler S.A.
Gohar Textiles
Gul Ahmed
Kohinoor Textile Mills
Küçükçalik
Küçükerler Textiles
Liberty Mills
Lucky Textile Mill
Menderes Tekstil
Mori Tessuti
Mustaqim Printing & Dyeing
Pongs Textil
Sapphire Textiles
Tavelmo Movelta
Tanriverdi Mensucat
Van Clewe
Welspun India Ltd
Zaber & Zubair**

Your 24/7 partner

As the first textile trade fair of the year, Heimtextil 2016, showcased the products of a record 2,866 companies involved in the global trade of fabrics for home furnishings over 20 halls.

They included many Monforts customers who have recognised that advanced processing and functional new finishes remain the keys to standing out in what is a highly commoditised market.

Exhibitors came from 69 countries, with 89% of the companies present being from outside Germany - all keen to do business in the EU trading block.

Germany's own manufacturers of textiles for the home furnishings market, however, are currently buoyant, according to the Association of the German Home Textiles Industry.

The revenue generation of Germany's overall textile industry in 2015 was €11 billion, with €3 billion accounted for by suppliers of fabrics for home furnishings - and over 40% achieved from export trade.

The key markets for these high quality German fabrics include contract fittings for hotel chains, cruise ships and planes.

Despite an extremely uncertain global economy, the outlook for German home textile manufacturers continues to be positive, with record employment and wages rising. Interest charges meanwhile remain low, as do energy prices.

Perhaps understandably, many German textile manufacturers are currently taking the opportunity to expand their capacities.

Monforts is proud to assist its customers wherever they are in the world, with an international network of branches and agents and the latest digital communication platforms ensuring 24/7 service.

A. Monforts Textilmaschinen GmbH & Co. KG

Postfach 10 17 01
D-41017 Mönchengladbach
Blumenberger Strasse 143-145
D-41061 Mönchengladbach
Telefon: +49 - (0) - 21 61-401-0
Telefax: +49 - (0) - 21 61-401-498
Internet: www.monforts.de
eMail: info@monforts.de



PUBLISHED BY MONFORTS MARKETING GROUP

Fine finishing at Gohar

Special finishes are a vital way for Gohar Textiles to differentiate itself in the crowded market of home textiles and the company's expertise in this field allows it to offer a wide range of options.

These include moisture management, anti-static, anti dustmite, UV protection, anti-bacterials, stain release, low temperature drying, hydrophilic and fire retardant treatments.

"Our finishing department relies on the four excellent Monforts stenters and the Thermosol dyeing unit we have installed," says Marketing Manager Anjum Munir, who did his training with Monforts at the Mönchengladbach headquarters in Germany.

"We are widely known for fine quality printing, dyeing and finishing, as well as for our extensive knowledge of fibre chemistry."

Gohar has recently added a high speed spinning unit at its plant in Faisalabad, to become further vertically integrated, and it now has the capacity

to produce 200,000 metres of fully finished fabric every day.

Understanding the expectations and requirements of the international textile market, the company is also operating its own power generation plant to provide uninterrupted

production and ensure the global timelines of its customers are honoured with top priority.



Liberty Mills leads the way

Established in 1964, Karachi-based Liberty Mills is today one of the largest textile and processing units in Pakistan with a production capacity of about 500,000m² of fabric daily.

The complete production is exported directly and indirectly to customers which includes vendors of internationally recognised brands, department stores and mail order companies.

It specialises in processing woven and knitted fabrics starting from T-120 - T-400 thread count, and including 100% cotton satins, cotton and poly cotton percales, 100% cotton twill (stretch and non stretch) and others.

The company produces sheet sets, bed in a bag sets, duvet and cover sets, blankets, robes and gowns, and an extensive range of furnishing fabrics.



Mix and match for Al Karam



A breath of fresh Alpine air was provided with Al Karam's Heidi range bringing together bold digitally-printed Sateen 200 pique and running stitch embroidery in the duvet cover to create a cosy, home-made look.

This combination of the hand crafted and digitally printed influenced the other Al Karam collections at the show - Chloe, Madison and Usher.

Founded in 1986 and located in Karachi, Al Karam has evolved into a major operation based on its strategy of keeping short lines of communication and making rapid, but well thought-out decisions in response to market requirements.

Today, its diversified range of products allows customers to mix and match from a wide variety of prints, yarn dyed fabrics, solids, dobbies and jacquards.

The company also deals in twills, sateens, basket weaves and percales in both knitted and woven varieties, with thread counts ranging from 130 to 1,000.

Monochrome moments

Pictured is the Monochrome bedding set featured at the booth of Lucky Textile Mills which - among all the bright colours all around it - impressed with its bold geometric patterns and simple, stark elegance.

Based on a T400 Sateen, it is reactive printed with embroidered features and made from the finest Egyptian cotton.

Based in Pakistan, Lucky Textile Mills, places the highest emphasis on stringent quality control to ensure its products meet international standards and remain above the competition.

The company's dyeing and finishing plant has an annual capacity of 12 million metres of dyed fabrics and a similar amount of printed textiles.

The centre pieces of this plant are two Montex stenters in widths of 3.2 and 3.4 metres. Lucky also has a 3.2 metres wide Monforts mercerizing line with a daily capacity of 30,000 metres of 100% cotton and cotton blended fabrics, which is fitted with the Ecocontrol system.

The company has achieved ISO 9001 and OekoTex Standard 100 certification, and also manufactures organic cotton to the specifications of GOTS - the Global Organic Textiles Standard.



Sustainable initiatives at Mustaqim



Saad Bilwani, Director and Shahid Hasan, General Export Manager

Having recently opened a 36,000-spindle spinning plant, Karachi-based Mustaqim is heavily promoting its participation in the Cotton Made in Africa and Better Cotton Initiative programmes.

General Export Manager, Shahid Hasan, explained that Cotton made in Africa (CMIA) is an initiative of the Aid by Trade Foundation (AbTF) which helps people to help themselves through trade, in order to improve the living conditions of cotton farmers and their families in sub-Saharan Africa.

Smallholders from Côte d'Ivoire, Ghana, Cameroon, Ethiopia, Malawi, Mozambique, Tanzania, Uganda, Zambia and Zimbabwe are currently participating in CMIA.

Training courses teach the cotton farmers modern, efficient and environmentally-friendly cultivation methods which help them to improve the quality of their cotton, generate higher yields and therefore earn a better income for them and their families.

The Better Cotton Initiative (BCI), meanwhile, is a not-for-profit organisation stewarding the global standards for Better Cotton, and

bringing together cotton's complex supply chain, from farmers to retailers.

"Sustainable manufacturing is very important to us," said Director, Saad Bilwani. "We are using only Azo-free dyes and chemicals in our finishing operations, for example, and have



Oeko-Tex Class One certification.

"We have also converted all of our standard plant operating procedures according to the Energy Conservation Programme and switched our generators from diesel to gas, to reduce emissions.

"We were also the first in Karachi to start up a full waste water treatment plant. The Cotton Made in Africa and Better Cotton Initiative complement these activities and reinforce our commitment to sustainability."

Founded in 1994 in Karachi, Mustaqim has three printing machines in widths of between 1.8 and 3.2 metres and is equipped with two Montex stenters, with the most recent to be installed having a width of 3.2 metres.

Along with bleaching, sanforizing and singeing, the company is now finishing around 48 million metres of fabric annually.

Watercolour throws

Among fabrics under the spotlight for Afroze was a range of attractive watercolour throws based on 100% polyester microfibrres, with fabric weights of 90gsm and filled weights of 150gsm.

The company also launched its Sapphire layered bedding set comprising a double duvet, a double sheet and pillow/sham in 100% cotton.

Founded in 1973 in Karachi, Pakistan, initially as a towel manufacturer, Afroze bedding ranges - marketed under the Hira Lari, Royal Crest and Cherries brands - are now well-known around the world.



*Ahsan Anis,
Executive Director ARC*

Natural focus for ARC

Striking scenes from the natural world in vivid colours characterised the high end duvet and quilt designs of Abdur Rahman Corporation (ARC); based on 220 count cotton sateens.

“We are the one stop shop for home furnishing - from window to bed and table to bath,” said Executive Director Ahsan Anis.

“Each of our plants has quite small scale production in order to be able to react quicker to tight international deadlines with just-in-time runs, and to be able to execute the specialist products you’d normally associate with a much smaller organisation.”

In addition to its wide range of home furnishings, ARC, founded in 1968 and based in Faisalabad, Pakistan, also specialises in institutional linen, as well as work uniforms such as chef’s suits.

It offers a wide range of special finishing treatments and its finishing unit is equipped with the latest Montex eight-chamber stenters.



The go-to supplier for CMT



A Thermosol continuous dyeing range at the finishing plant of Adamjee Enterprises, in Karachi, Pakistan, provides the company with the ability to turn out 800,000 linear metres of fabric each month.

These fabrics are delivered to four key markets - retail bedding manufacturers, duvet and pillow makers, hotels and hospitality table linen companies.

Adamjee also supplies fabrics to cut, make and trim (CMT) customers in over 40 countries, ranging from greige to bleached, dyed and printed materials, in standard constructions as well as dobby and jacquard weaves.

Some 25 different textile finishes are carried out under license, either on 100% cotton or customer-specific blends.

Unique styles from Crestex

The reputation for innovation in weaves, prints and unique styling in bed linen enjoyed by Crescent Textile Mills (Crestex) was illustrated to compelling effect with new designs such as the Anatolia and Madison Collections.

*Mansoor Tariq,
Marketing
Manager*



“We are always extremely busy at this show,” said Marketing Manager Mansoor Tariq, who explained that the company, which is based in Lahore, Pakistan, processes 100% local and imported short cotton staple fibres, along with polyester and blends of the two in counts of between Ne10 and Ne100.

The fully-vertically-integrated company, founded in 1950, has a weaving capacity of 113 million m² of fabric, of which around 53 million metres is finished, printed and converted in-house.

Around 42 million m² of fabrics are turned into quilted bed-in-bag items, bed and table linen and soft furnishing products manufactured by the Crestex made-up department.

In its finishing department, the company relies on a Monforts Thermex Econtrol single-bath dyeing range with a working width of 3.2 metres.





ARZOO TEXTILE MILLS

Photo quality from Arzoo

The photo quality achieved on some of the quilts and duvets produced by Arzoo look as if they could only have been achieved on the latest digital technology, but are in fact produced on conventional industrial rotary printers.

“That’s the art of our design team and screen printing technicians,” said General Marketing Manager, Muhammad Ajmal, “making conventional prints on high end cotton sateen 220 count fabrics appear digital in their appearance.”

Over the past 30 years, Arzoo, based in Faisalbad, has seen its turnover grow from \$10 million to \$70 million.

The company is equipped with two Thermosol dyeing units as well as a Montex stenter.

It produces tableware, bed linen, curtains and garments in 100% cotton and polycotton blends. Sateens go up to 1,000 count, percale to 250 and the company also manufactures poly/viscose and Lycra printed fabrics, along with duck, slub, jacquard and panama fabrics.

AMTEX LTD

Bedding specialist

As a vertically integrated textile producer, Amtex Ltd has a diversified range of garments and home textiles products. It claims to provide the largest variety and combination of products under one roof.

With its manufacturing processes certified to comply with ISO 9001:2000 and operates a clearly defined policy towards quality.

Amtex specialises in plain, dobby or jacquard woven sheets, window covering, table covers and work wear.



A finishing focus and a touch of velvet

Belgium's leading contract specialist Tavelmo Movelta continues to go from strength to strength, having just acquired the famous Devantex brand

The production of these luxurious and highly technical velvet collections has now resumed at the Tavelmo Movelta plant, between the Belgian cities of Lille and Ghent.

"We are the only Belgian company that is equipped with the necessary preparation machines, finishing machines for velvets and dye house expertise to enable us to produce Devantex fabrics to the same high standards for which they were previously well known worldwide," said Olivier Hellyn, who runs the company with his father Frans and sister Charlotte.

The Movelta brand has been well known for years for its ranges of woven

velvets, while the Tavelmo name is equally renowned for flat wovens and chenilles. Fabrics for sofas, curtains and bedding are exported to more than 60 countries and the group also supplies materials extensively to manufacturers of caravans and mobile homes, boats and outdoor furniture.

Attracting a lot of attention at Heimtextil 2016 were the stain-proof fabric collections for home furnishings which have resulted from the company's new Easy Clean finish, developed in collaboration with a chemicals supplier.

With Easy Clean, stains on furnishing fabrics including ink, tomato sauce and red wine can be easily removed with water and unlike other treatments, its effectiveness is permanent.

The difference," says Olivier Hellyn, "is that we are embedding the coating deep within the fibres of the fabrics, which took a lot of research and development work to achieve."

The process is also particularly demanding on the company's technicians and on the six-chamber Monforts Montex stenter which has been installed to replace two older machines - doing the jobs both much faster and with much better uniform quality results.

Advanced finishing is at the heart of everything the company does, having made a conscious decision in 2011 to focus on added-value wet and dry finishing operations and to invest in the best machines available for each process.

Everything produced goes through the stenter at least once, and often twice. If the fabrics are mercerised, they then go through the stenter again, and if coated or printed, stentering also follows.

Specific products within the company's vast range demand especially sensitive handling, such as polypropylene-based outdoor fabrics where precise temperature control is



Olivier Hellyn

essential, or the latex back-coating of caravan fabrics.

In the treatment of face-to-face velvets, meanwhile, the even backing applied on the Montex stenter is essential for achieving accurate pile anchorage.

Another winning introduction by the company was Easy Outdoor - a protective finish on the company's latest solution-dyed acrylic outdoor fabrics.



Alok's new fabrics focus

The Heimtextil emphasis for Alok Industries - one of India's fastest growing home textile companies - was on a range of new functional fabrics that set its bedding, bathwear and beachwear ranges apart from the crowd.



Introducing them, Home Furnishings CEO Sanjay Deora described the new Nanocotton as a pre-shrunk, breathable fabric that is manufactured in an extremely energy efficient process and is ideal for sheeting and pillow cases.

Alternatively, EXL is based on extra crosslinked cotton fibres and stays completely wrinkle free for up to 50 washes.

A year ago, Alok introduced its patented Alpha Cotton fabrics, representing a new breakthrough in what's possible with cotton and polyester blend yarns.

"The benefit of Alpha Cotton fabric is that it's a polycotton in which all of the polyester is sheathed within the cotton, as a result of how it's cross woven," explained Mr Deora.

"As a result, it provides all the advantages of 100% cotton, but at a much more competitive price. We're now promoting it in both bedding sheet sets and towels."

Another new fabric introduction is Cloud Cotton, characterised by an extremely soft hand feel and extremely durable. It is based on long cotton staple fibres and low linting in performance.

"Specifically for towels, our Aero-Plus fabrics are designed for high absorption and durability, while Cloud Zero is based on twistless fibres and also low linting," said Mr Deora. "Also new is our Alphadry quick drying range based on Alpha Cotton."

Alok set up its first polyester texturing plant in 1989 and subsequently expanded into weaving, knitting, processing, home textiles and garment.

To ensure quality and cost efficiencies it then backwards integrated into cotton spinning and the manufacturing of partially-oriented yarn via the continuous polymerisation route.

The company also provides embroidered products through its associate company Grabal Alok Impex.

"As a consequence, we've evolved into a diversified manufacturer of home textiles, garments, apparel fabrics and polyester yarns, selling directly to

manufacturers, exporters, importers, retailers and to some of the world's top brands, including M&S, BHS and C&A."

Headquartered in Mumbai, Alok has also gained a strong foothold in India's domestic retail market through its H&A stores, and in addition, owns more than two hundred Store 21 clothing shops across the UK.

On the manufacturing front, the company made a substantial \$240 million investment a few years ago which included provision for comprehensive finishing equipment, including a new Montex stenter, a Pad Thermosol and a second Thermex continuous dyeing system.



Flexible, intelligent, customised...

It's all about striking new interior architecture for Pong's, headquartered in Stadtlahn, Germany.

The company's textiles for wallcoverings, ceilings, panels and dividers can really add something extra and special in terms of design, acoustics and the overall ambience of any room.

At Heimtextil, Pong's introduced two new interior acoustic fabric ranges designed to get the best out of working or social spaces - Silencio for enhanced acoustic insulation, and Akutex, exploiting highly distinctive weaves.

The company's Soft Image Lightbox fabrics provide excellent properties for digital printing, especially those intended to be back-lit.

Pong's has been a pioneer in capitalising on the new possibilities of digital printing, having installed two machines to establish a dedicated company department back in 1999.

This rapid reaction to a changing market has reaped dividends ever since.

"People are looking for innovation, change, inspiration, emotion, new experiences, enjoyment, safety and harmony," says the company's Head of Marketing, Jutta Ingala.

"New materials make spectacular interior architectures possible and our



textile wall and ceiling coverings are customised with photo-realistic motifs - an exciting alternative to traditional that can be printed in monochrome or in colour progressions of infinite resolution."

"Functional elements such as background lighting or integrated spotlights vary the ambience and our innovative acoustic materials have a positive influence on the perception of sound. We offer fabric ranges that

can be flexible, intelligent and highly customised."

As-second-generation owner-led company, Pong's successfully connects traditional design with high-tech potential while paying strict attention to sustainable production.

With a weaving and knitting machine capacity of 1.9 million square metres per month, it has become well known as a specialist in backlit and blackout materials, in addition to stretch and acoustic fabrics, particularly for commercial buildings, the hotel industry and trade shows.

The company's decorative fabrics are also widely used in theatrical sets, costume design and in visual merchandising.

Turkey's digital printing pioneer

Menderes Tekstil has been one of the early pioneers of digital printing in Turkey, having operated a first digital printing system since 2007 and during 2013 installing a second machine, with a wider width of 2.8m.

"Digital printing is certainly helping us to make our products stand out in the market through the freedom it provides our designers and the bold impact and high quality their designs can achieve," said Sales Executive, Ergül Künar.

Digital printing is becoming increasingly important to the home textiles market. The advent of industrial-scale machines is now posing a serious challenge to the

conventional rotary screen printing of textiles due, among other benefits, to the ability to make rapid changes in designs and considerably reduce waste, but not least to be competitive from an economic viewpoint.

Until recently, the technology has been largely limited to fast fashion



markets, pioneered by Italy's haute couture industry, and to the production of large format signage in Europe.



Ergül Künar,
Sales Executive

Turkey's home textiles manufacturers, however, are tipped to be next in the wide-scale adoption digital printing, and Menderes can claim an early lead.

"As a result of single-pass digital printing technology an achievable speed of 20 metres per hour in 2007 has reached 4,500 metres per hour today," said Künar.

Only the best from Bursa



Yasemin Küçüker,
Industrial Engineer

Küçükerler, based in Bursa, Turkey, specialises in extremely high quality and exclusive home furnishing fabrics for which it has grown a global reputation over the last 30 years.

“We supply to customers who expect only the best and as such, have many prestigious clients in the Middle East, Europe and the USA,” said Industrial Engineer Yasemin Küçüker.

“Tastes change quite dramatically in different regions around the world as to what constitutes ultimate quality and aesthetics and we have developed a keen awareness of cultural preferences on the important world markets. As a result, we adopt a design approach customised for individual customers.”

The company showcased 60 new qualities at the exhibition and the widest possible range of eye-catching patterns developed by its expert design team.

The fully-integrated manufacturer's key qualities are based on chenille, fancy yarns, polyester, viscose, cotton and silk with an equal emphasis on special finishing techniques.



TANRIVERDI MENSUCAT

The curtain specialist

Tanriverdi Mensucat has three manufacturing plants in Turkey, each with its own areas of specialisation, located in Çorlu, Gürpınar and Çatalca.

Çatalca was the first production centre, established in 1986 for the



production of lace, brocade and appliqué fabrics.

Subsequently, no less than twelve production units have been set up in waves of investment in yarn spinning, weaving, yarn dyeing, fabric dyeing and finishing, readymade curtains and chemical products.

All of them were consolidated under Tanriverdi Holding in 1995

which has positioned itself among the world's leading integrated curtain manufacturers, exporting to over 80 countries.

With an annual production of 65 million m² of textiles, 24 million metres of lace and 10 million metres of embroidery, the company dyes around 16,000 tons of fabric each year, and produces over two million pairs of readymade curtains.

Bom Dia! from Döhler

Only the brightest and boldest in bedding and especially beach towels would be expected from Brazil, and Döhler S.A. didn't disappoint.



Roeleof Rabbers Neto, Salesman

All based on 100% cotton, the company displayed an extensive range of towels based on printed velours, vivid patterns and rich colours, including the popular Hampton Stripe solid jacquard and Nostalgic - a front woven and reverse loop terry range evoking the innocence of the 1950s.

Salesman Roeleof Rabbers Neto said the company was a regular at the Frankfurt exhibition, despite the considerable distance - 10,200km from its base.

"Europe is an important market for us and Heimtextil is the major event for this industry," he said.

Döhler recently installed a first Monforts stenter at its 220,000m² facility in Joinville, Santa Catarina, to ensure increased production and significant energy savings whilst offering new business opportunities with new products - not previously



possible with its older range of 10 locally-made stenters.

Currently producing 1500t/month - predominately home textiles for the domestic market - Döhler has, according to Managing Director, Ingo Döhler, ambitious plans underway to double production within 5 years.

"We are constantly seeking new technology and solutions to further improve our production techniques," he added. This includes the recent installation of the first Monforts stenter, a Montex 6500.

"With a finishing department comprising 10 older, locally produced stenters, we recognised the need to look at the latest technology in the marketplace," he added. "We therefore placed the order for an 8-chamber Montex 6500.

Installed in a line incorporating a coating and flocking arrangement at the stenter infeed, the Montex has

introduced wider fabric working at faster speeds."

"It has already provided energy saving of around 18% and increased production by as much as 30% with fabric widths of up to 3.20m." he said.

Home textiles specialist

Some 60 years ago the company opted to specialise in home textiles, today producing a comprehensive range of curtains, upholstery, table cloths, bed linen, terry towels, kitchen towels, vertical blinds and mattress covers.

In the finishing department, the fully integrated vertical operation purchased its first stenter in 1958, a Brazilian Texima.

Today with 10 units, the management recognised the need to modernise its facility and installed the first Montex 6500. With finishing on a wide range of fabrics including 100% cotton, cotton/polyester, cotton/viscose, viscose/polyester blends, linen, plus aramide and polyamide for military uniforms and raincoats.

The full coating and flocking configuration is able to undertake a variety of repellent coating and incorporates air knife techniques for table cloths and upholstery.

Water proof production is also assured for a wide range of garden/poolside furniture fabrics. The range of fabrics handled through the Montex varies with weights of 120g/m² for mattress covers up to 800g/m² for terry towelling.



MORI TESSUTI

All the tools of the textile trade

'Play Room', 'Natural Chic' and 'Techno Urban' are the latest themes from Mori Tessuti S.p.a., based in Cicognara, Italy.

Mori is a finishing specialist in the northern Italian tradition and a valued Monforts customer, adept at exploiting all the tools of textile treatment to their full.

Its key finishes for regular fabrics include flame retardancy, acrylic resin, titanium and metallic foil coating, water and oil repellency, sueding, anti-microbial, anti-mould and dust mite-resistance treatments, sanforizing, and both transfer and digital printing.



ZABER & ZUBAIR

Sweet dreams in denim



*Imtiaz Hossain,
General Marketing Manager*

The 'Get It Smart' bed linen collection from Bangladesh powerhouse Zaber and Zubair was a real eye catcher at Heimtextil 2016.

"Denim is always fashionable but you wouldn't want pillows and sheets made from such a rough and heavy material of course," said General Marketing Manager, Imtiaz Hossain.

"This collection is based on 100% cotton with printed double stitch

effects and a stonewashed dyeing treatment. It's proving really popular with young consumers."

Equally attention grabbing - and perhaps to more conventional tastes - was the company's Belizematic bedding set, based on an extremely attractive blue sky and fluffy clouds design on a 400 thread count Giza cotton fabric.

Headquartered in Gazipur, Zaber and Zubair is a huge concern, despite having only been founded 15 years ago. Over half a billion dollars has been invested on state-of-the-art machinery to grow the company to a business which now has the capacity to turn out well over 100,000 home textile products - bed linens, curtains and kitchen and table linen - every day.

The company's processing unit is highly impressive, and the finishing department is equipped with no less than 13 stenters, the majority of which are Monforts Montex 3.2 metre-wide models purchased over the past decade.

Monforts has also supplied the company with two sanforizing units,

while an additional Montex infrared stenter and a Thermosol system are installed in the printing and dyeing department.

Sustainability has been a cornerstone of Zaber and Zubair's development and the Gazipur plant is fitted with three modern effluent plants with a capacity of 600m³ per hour.

The company's production has been validated by all of the major third party institutions and international bodies, in addition to being audited and approved by a wide range of its customers.





Building on European quality

Bierbaum, the leading German household textiles group headquartered in Westphalia, kicked off 2016 with the announcement at Heimtextil of a very strong performance in 2015 and further new expansion plans.

The company's sales, including licence revenues, climbed to €139.6 million in 2015 - up by just under €5 million on 2014 - capitalising on a €13 million investment programme carried out over the past two years.

The programme included installing new finishing equipment, adding a further plant for nonwovens manufacturing and new automated assembly machines. And the growth won't stop there.

During 2016 the company plans to further expand its site at Borchen to house two new printing machines and a modern ink dispensing kitchen at a cost of €6 million.

Since it already has an annual printing capacity of over 20 million linear metres, Bierbaum is clearly the biggest manufacturer of printed fabrics in Europe; the new investment will further secure this leading position.

Bierbaum Wohnen and Irisette both presented their new Spring/Summer 2016 home textile collections at the Frankfurt show.

Bierbaum Wohnen is a leading expert for bedding for the home brands of the retail trade and offers a wide product range across all fabrics.

Irisette is the most well-known brand for high quality bed clothes, bed sheets, covers, and sleeping systems. Bierbaum's brand portfolio also includes the luxury and lifestyle brand Strenesse.

Another line featured Tabaluga, the little green dragon, originally the creation of Peter Maffey, a Romanian-born rock star who sold 40 million records, largely in Germany and Europe.

The popular animated cartoon has since been broadcast in 100 countries. Tabaluga stories and music remain children's favourites in many countries. Bierbaum is the successful merchandise licensee.

The company puts its success in part down to the safety and sustainability of its modern European production equipment - including a Montex 6500.

With a working width of 2.8 m the seven chamber unit is operated in

three shifts around the clock and processing up to 80,000 metres of fabrics daily.

To further increase versatility, the Montex has been supplied with a coating device, allowing specialist materials - such as the dot-coated cleaning towels for industrial kitchens which are a Bierbaum Group speciality - to be produced in-line.

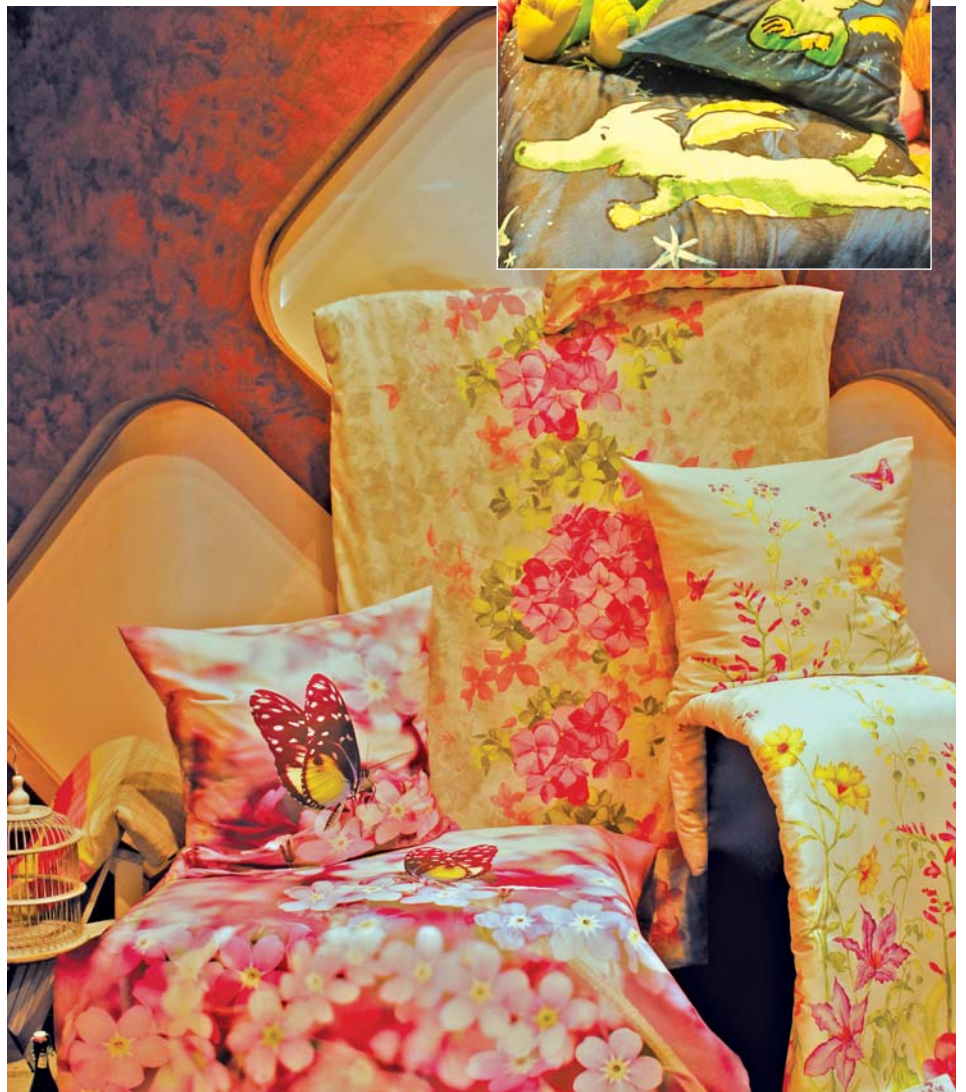
The line is also equipped with an integrated heat recovery unit via which waste heat produced in the thermal process, and contained in the exhaust, air is discharged via exhaust air ducts directly into a heat exchanger.

"Given current energy costs, producing as efficiently as possible is a decisive factor," said a company spokesman.

"The energy consumption of all our machines is closely monitored and we are also exploring methods of developing more cost-effective solutions."

"We have always used Monforts stenters and are very satisfied with them.

"The automation of such machinery along with the dedication and motivation of our staff here in Germany has resulted in our production costs becoming lower, while at the same time, reliability has increased."



Friends of the Forest in fine detail

As a fourth generation family-owned company, Curt Bauer has been making fabrics since 1882 at its plant in the small town of Aue in Saxony's Ore Mountains.

Today, the plant is equipped with the very latest Jacquard weaving machines and electronically-controlled finishing technology, including Monforts equipment.

Curt Bauer's home textiles are distributed through high-end department stores - in part through 'shop-in-shop systems' such as in KADEWE in Berlin and Oberpollinger in Munich - as well as through furniture shops, high-end mail-order companies and other retail outlet groups.

Having supplied exclusive damask fabrics for bedding collections for adults since its inception, in the past couple of years, the company has turned its attention to bed linen for children.

At Heimtextil the company showcased its new Bauer Kids bed linen ranges, with the theme 'Friends of the Forest'. They feature forest scenes rendered in toile-du-jou style realised in jacquard weaves.

The fine and detailed composition of the motifs can only be achieved in fine-threaded and high grade Curt Bauer maco-brocade-damask qualities.

The range is available in three fresh colour schemes - pink, turquoise and yellow.



Designs for all seasons

The journey of light into a room is complicated and curtains or blinds should provide much more than just privacy, says Berteks, based in Bursa, Turkey.

Pescreen is the company's window coverings brand covering an extensive range of woven blinds and shades all based on 100% polyester and designed to provide attractive looks and differing solar protection and thermal energy efficiency.

Specific fabrics include Dolce Vita, Starful, Pescofil, Secure, Plicell and W-All, and collections are tailored to each season, with 210 selected colours for Spring, 80 for summer, 68 for Autumn and 138 for Winter.

To best suit the seasons, the individual collections are also carefully graded in terms of their openness to sunlight, yarn constructions, weights and thicknesses.



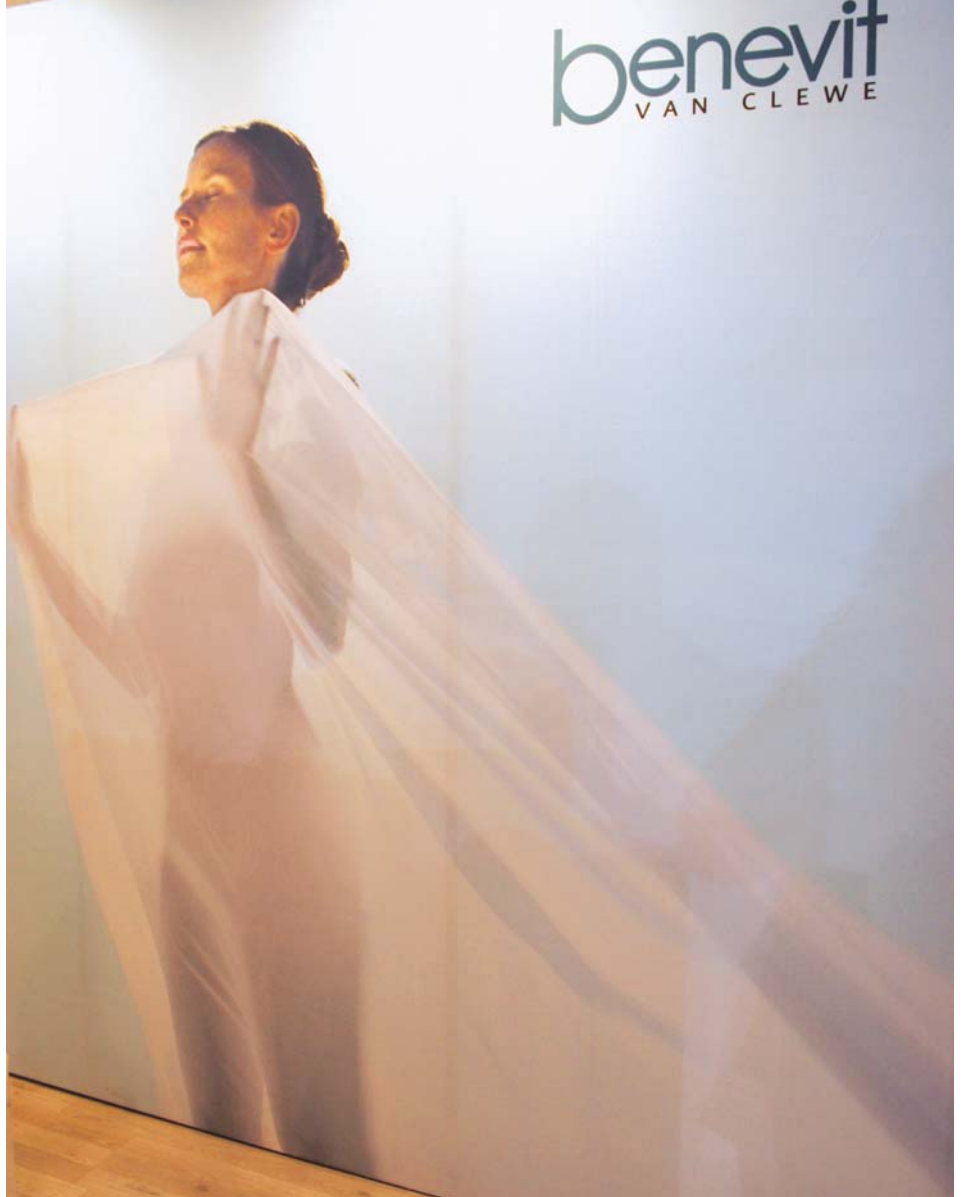
The benefits of zinc

Van Clewe, based in Dingden, Germany, has been a dedicated specialist in textile finishing for over 60 years. This extensive experience has recently led to the formation of a number of company businesses focused on the manufacture and sale of its own textile products.

Amongst them is Benevit, which has a focus on care and wellness products, including Carevitex+ textile technologies which guarantee freshness and hygiene in many applications.

Benevit products range from anti-allergenic bedding and mosquito-proof sleeping bags to incontinence underlays and breathable mattress protectors which ensure a comfortable sleeping environment.

At Heimtextil, a wide range of home textiles were showcased, from bed linen, fitted sheets, mattress toppers and mattress covers to snug sleeping bags for children and babies.



The company also manufactures a number of specially-designed products for the kitchen and dining room, including tea towels, vegetable bags and protective bibs.

Carevitex Z+ technology is based on smartcel sensitive fibres which

incorporate pharmaceutical-grade zinc oxide made from metallic zinc into a natural cellulose base.

Zinc is known to have a beneficial effect on sufferers of skin diseases, irritations, neurodermatitis/psoriasis, skin allergies, skin inflammations/ acne or dry, sensitive skin and the positive effect of Carevitex Z+ has been certified by Germany's Hohenstein Institute.

The mineral has a lasting positive impact on physical wellbeing, helps wounds heal more quickly and reduces the onset of odours. Zinc is also a powerful antiseptic that protects against infection.

Smartcel sensitive fibre also meets Germany's DAB 10 purity standards and other international standards for clinical preparations.

The zinc oxide is embedded into the fibres by a proprietary process that uses neither nanotechnology nor aggressive chemicals and ensures a constant release of zinc onto the skin.



Bed sets specialist



As fully integrated finishing company, Agaoglu Tekstil is a leading producer exporting its products across Europe and sub-contracting to many exporters within Turkey.

Founded in 1981 Agaoglu specialises in home textiles production of quilt covers, pillow cases and fitted sheets.

Its bed sets feature bed sheets, protectors and pillow cases as either single or double bed sizes.

A trip to Wonderland

Sumptuous collections were only to be expected from Gul Ahmed - one of the longest-established names on the Indian subcontinent - and the company certainly didn't disappoint.

The company's central Wonderland display was just that - a lavish display of the finest pure cotton bedding fabrics fusing the centuries-old tradition and craftsmanship of the East and the fine finishes made possible by today's advanced European technology.

As a supplier to leading European brands like Ikea, Karachi headquartered Gul Ahmed operates both yarn dyeing and fabric finishing lines from Monforts, as part of its highly integrated operations.

Gul Ahmed began operations in 1953, although it had been trading in textiles since the early 1900s. It became listed on the Karachi Stock Exchange in 1970 and has subsequently established a leading position in both apparel and home textiles.

Today, it has a fabric capacity of over ten million metres per month of

both reactive and pigment printing (rotary and flatbed), in addition to wider width continuous dyeing.

The opening of its flagship store - Ideas by Gul Ahmed - in Karachi in 2003, marked the group's entry into the retail business and an extensive chain of more than 40 retail stores has subsequently been established across Pakistan.



Turkish delight

Küçükçalik highlighted its Premier brand using the theme of the source of civilisation born with fusion of the rich Turkish culture and the dazzling beauty of the Mediterranean culture to promote a colourful, vibrant, multifaceted and pleasant concept.

The company was started by its founder Noah Mehmet Küçükçalik in 1940, concentrating on cloth trade. By the 1990's it became a more innovative and dynamic operation leading to today's production of 5 million metres of fabric per month. It supplies woven and printed fabric serving apparel manufacturers, home textile manufacturers, textile converters and jobbers plus textile retailers.

For the home textiles sector the Turkish company specialises in curtains, bed linen, tablecloths and other products for consumers in more than 1000 points of sale.



Welspun's Gold Standard guarantee

Welspun's towels and home furnishing fabrics are the first in the world to bear the new Egyptian Cotton Gold Standard label as an important assurance of the ultimate in quality.



The reputation of Egyptian Cotton as the world's finest rests on a number of its key characteristics. The length of the fibre produces the finest of yarns without sacrificing the strength, which results in fabrics that are more solid and more resistant to stress.

It has an unbeatable ability to absorb dyes, which gives fabrics deeper, brighter and more resistant colours. It is also incredibly soft.

Egyptian Cotton is handpicked and unlike fibres which are processed mechanically, is put under no stress, to leave the fibres straight, intact, and of the ultimate purity.

"Egyptian cotton is recognised worldwide as the world's most luxurious and sought after for high quality fabrics and the Egyptian Cotton Council is now being very pro-active in protecting its brand," said Sunny Puri, Welspun

UK Business Development Manager, at Heimtextil 2016.

"The generic structure of true Egyptian cotton has recently been established and products are being audited in stores in a closed loop system involving DNA analysis to ensure the authenticity of products."

Global retailers

This quality guarantee is of considerable importance to Welspun, which is the number one supplier of home textiles to the US market, with customers including 14 of the top 30 global retailers, including Walmart, Target, JC Penney, Kohl's, and Macy's.

As the largest vertically-integrated manufacturer of towels in Asia, it has a distribution network in over 50 countries.

The company's latest manufacturing plant in Anjar is currently considered the flagship for the textile industry in 2016 and is the largest ring spinning mill in the world, with some 169,728 spindles.

The finishing plant at Anjar is not surprisingly extensively equipped with technology supplied by Monforts.



In addition to working with the latest technology available, Welspun is also committed to innovation, and while there would seem to be little that can be further achieved with cotton, the new Hygro Cotton represents a truly extraordinary development.

Hygro Cotton

Hygro Cotton is based on a proprietary spinning technology that produces yarn with a revolutionary hollow core, creating advanced performance through unique air-flow for enhanced moisture wicking, temperature regulation and absorbency.

Rather astonishingly, Hygro Cotton products get softer, loftier and more comfortable over time.

Perhaps the ultimate in luxury towelling is to be found in the Christy Supreme Supima Hygro range.

Christy Towels

Christy, which is now part of Welspun Global Brands, is an iconic UK company which was established in 1850, when Henry Christy visited the Palace of the Sultan in Constantinople.

He brought back with him a sample of a handmade, loop pile fabric which was new to the western world.

The first Christy towels were shown in the Great Exhibition of 1851 at Crystal Palace, where a set was presented to Queen Victoria, who liked them so much she immediately ordered more.

Loyal customers associate the company with a style that is inherently British and by embracing new yarn technologies such as Hygro Cotton and producing seasonal on-trend designs continues to innovate, in both bed linen and towels.

Brands mean business at Boyteks

As one of the world's leading manufacturer of mattress tickings and a major player in home furnishing fabrics, Boyteks, headquartered in Bursa, Turkey, has over 100 separate branded products which are distinguished by their special performance attributes.

Boyteks has emerged as a major player in the home furnishings market in a comparatively short period of time. Founded in 1999, the company began international sales activities two years later. It now exports to no less than 103 countries.

At Heimtextil 2016, the company showcased three of its latest innovations, including the new Cooler heat transfer technology for mattresses.

"Staying cool is very important to getting a good night's sleep," explained Marketing Specialist Aydin Aydin. "The body needs to experience a natural drop in temperature when falling asleep, but the ambient temperature of the room can sometimes prevent this.

"Cooler mattress ticking fabrics provide that cooling effect, helping you fall asleep more easily and maximising sleep quality by providing a relaxing sleep environment. You wake up more refreshed as a result."

Simulated skin tests with Cooler have proved that it keeps skin temperatures 1.3°C cooler than cotton or polyester fabrics.

Biorythmic fabrics

Biorythmic-branded fabrics have been developed to promote a sense of well being via the integration of a combination of minerals known to activate the medians in the body with their vibration energy.

"Minerals have been employed over centuries in alternative therapies to promote body communication and enhance relaxation," says Boyteks Marketing Manager Gökmen Kara.

"Lack of communication in the body can cause many negative effects, leading to insomnia, stress and tiredness. These fabrics help the body to feel more comfortable and rejuvenated as a result of the special combination of minerals."

Meanwhile, household items such as furniture and carpets can emit hazardous gases and odour into the air, with potentially detrimental effects on health, causing headaches, nausea and eye irritations, in addition to exacerbating allergies.

Triple Fresh fabrics

Boyteks Triple Fresh fabrics have been designed to combat this by cleaning the environment air.

These fabrics contain a specially-formulated metal complex that acts as a three-way catalyst to decompose hazardous gases such as formaldehyde, ammonia, acetic acid and nicotine.

As a consequence, these materials actually diffuse unwanted odours rather than masking or confining them. The effect is permanent and wash resistant, so will not diminish over time.

The company has also invested in a succession of capacity expansions, most recently opening its carpet manufacturing plant in 2011 and adding warp knitting to its range of manufacturing technologies a year later.

Naturally - as a brand that places emphasis on top quality fabric constructions and finishes - Boyteks plants are equipped with the very latest technology, including Monforts Montex stentering and DynAir relaxation drying ranges.



Gökmen Kara, Marketing Manager and Aydin Aydin, Marketing Specialist

Bold designs from KTML

High quality printed and dyed fabrics, along with high-end made-up products for both the institutional and home textile markets, are the stock-in-trade of Kohinoor Textile Mills Limited (KTML).

The vertically-integrated home textiles manufacturer has two spinning plants producing in a wide-range of counts in both cotton and man-made fibres and its weaving capacity makes it one of Pakistan's leading manufacturers of wide-width greige fabric.

Bold designs and fine finishes ensure the company's processing, finishing and cut-and-sew operations are able to constantly come up with new quality products that always prove extremely popular on the global market.



KTML invests continually in its people, processes, and technology, striving always to provide cus-

tomers with high-quality goods produced through sustainable manufacturing.

Sustainable laundry for hotels

As one of Pakistan's leading producers of bed linen, Sapphire Textiles Mills has a unique collaboration with Denmark's Beirholm Vaeverier, one of Europe's leading suppliers of home textiles for industrial use in the hotel and restaurant industry.



Creadore has been established as a collaborative model between the two companies, to offer complete supply chain solutions, including forecasting, logistics and distribution.

It is now a leader in textiles designed and developed for the leasing laundry industry in the Middle East, having recently opened a sales office in Dubai, while retaining its bases at Kolding in Denmark and Lahore in Pakistan.

Building on Sapphire's in depth knowledge of textile production and processes, Creadore has also recently introduced new yarns called BeirTex, specifically with the hospitality industry in mind.

BeirTex yarns are built according to the principles of the Better Cotton Initiative and in accordance with the strictest environmental requirements under the EU Label, at no additional cost to customers.

Sapphire is meanwhile another company now exploring the endless possibilities of digital printing for bedding, as illustrated by the company's Rosalie range.

Bangladesh's finest towels



Specialising in producing all types of terry towels, terry bath robes, terry made ups, kitchen towels and other terry products, Bismillah Towels Group was founded in 1988 with a vision to becoming Bangladesh's most recognised towel and home textile manufacturer.

Since those early days the company has maintained its vision by continuing to offer the best blend of quality and global competitiveness with a production capacity of 5800 kg/day and a dyeing capacity of 7500 kg/day.



Leading the way with new technology

For a country which imports 60% of its domestic garments and home textiles from Asian producers, Brazil has a real 'home grown' success story with Döhler S.A.; considered to be one of Brazil's leading home textile producers.

Currently producing 1500t/month - predominately home textiles for the domestic market - Döhler has, according to the Managing Director, Ingo Döhler, ambitious plans underway to double production within 5 years from its 220,000m² facility in Joinville.

"We are producing the right product at the right price and so we have no need to fear the Asian competitors in our domestic market," he enthused.

"To stay ahead of the competition we are constantly seeking new technology and solutions to further

improve our production techniques," he added.

Newly introduced technology includes the recent installation of the first Montex stenter.

"With a finishing department comprising 10 older, locally produced



stenters, we recognised the need to look at the latest technology in the marketplace.”

“Thanks to the excellent rapport and assistance from local representative, Herbert Erdmann at Eurotexties, we placed the order for an 8-chamber Montex 6500.

“We have not been disappointed. Installed in a line incorporating a coating and flocking arrangement at the stenter infeed, the Montex has

introduced wider fabric working at faster speeds.”

“It has provided energy saving of around 18% and increased production as much as 30% at fabric widths of up to 3.20m.” he said.

Family-run

Döhler was founded in 1881 by Ingo’s great grandfather Carl Gottlieb Döhler, a German immigrant. As a weaver he had hoped to make his fortune running a

plantation. But with the land too poor he resorted back to his weaving roots; specialising in fabric for jackets and workshirts.

Today, the company remains a family concern, with 10 family members - 6 as directors and 4 in production roles.

Led by President and Joinville’s mayor, Udo Döhler and Ingo Döhler as Managing Director, as the 4th generation, the newest 5th generation members are nephews Alexander, an electrical engineer and Lucas Döhler, a textiles chemical engineer.

Ingo is also looking forward to welcoming his 22 year old grandson on graduation as an engineer to start the next generation.

Home textiles specialist

Some 60 years ago the company opted to specialise in home textiles, today producing a comprehensive range of curtains, upholstery, table cloths, bed linen, terry towels, kitchen towels, vertical blinds and mattress covers.

“This wide range allows us the flexibility to meet, for example, seasonal high demands for certain products.”

In the finishing department, the fully integrated vertical operation purchased its first stenter in 1958, a Brazilian Texima. Today with 10 units, the management recognised the need to modernise its facility and recently installed the first Montex 6500.

With finishing on a wide range of fabrics including 100% cotton, cotton/polyester, cotton/viscous, viscous/polyester blends, linen, plus aramide and polyamide for military uniforms and raincoats.

The full coating and flocking configuration is able to undertake a variety of repellent coating and incorporates air knife techniques for table cloths and upholstery. Water proof production is also assured for a wide range of garden/poolside furniture fabrics.

The range of fabrics handled through the Montex offer weights of 120g/m² for mattress covers up to 800g/m² for terry towelling.

Montex line

“By incorporating the coating and flocking units into the inlet feed of the Montex 6500 we are able to carry out virtually every application required,”

explained Ingo. “The older stenters are virtually only able to finish one particular product.

“The Montex therefore makes us very flexible. For example, one of the older stenters also includes a coating and flocking unit, but it only accepts widths of up to 1.50m.”

“The Montex with a working width of 3.20m opens new market opportunities for us.

Another new product made possible for Döhler, thanks to the new Montex, is a 2.80m wide blackout curtain fabric, soon to be introduced into the market.

“Currently a blackout curtain this wide must be imported,” claimed Ingo, “We will be the first Brazilian company to offer this product.”

The Montex is also proving its versatility with curtain fabrics running at speeds of 40m/min compared with 27m/min on the older stenters.

Having started work in the company at 13 after school hours, today, more than 60 years later, Ingo has witnessed many changes to production.

“For a long time I thought that changes in the printing department were the most significant, but I can see



that today the Monforts technology has to be the most dramatic change in our business,” he confirmed.

It is just impossible to overestimate the importance of this new machine and the benefits it has opened up for us.”



New Montex 8500 with innovative features

The new Montex 8500 includes several new features and options including an optional integrated support belt for heavy coated fabrics; a newly designed operator's platform with improved access; enhanced visualisation introducing 'smartphone' features; a new stentering chain; and an Eco Booster heat recovery module where an additional Exhaust Air Cleaning device can be added.

New 'smartphone' features for Montex 8500

A complete new and further enhanced visualisation software Qualitex 800 with 'finger tip' control features offering smart phone-type techniques for machine operators and ensuring smarter operating procedures. The screen now being much wider in 16:9 format.

The new stenter also incorporates the latest improved operator's inlet section platform featuring an optionally available slideable monitor across the machine. Offering both improved clarity and ergonomics the platform also provides improved access for coating processes. In knit version shortest fabric routing from draw roller to pinning in position is secured.

Additional benefits allow the operator to compose and pre-programme the 'dashboard' of the monitor to his own requirements and preferences.

New maintenance-free stentering chain

A new maintenance-free Hercules Hybrid stentering chain, requires no lubrication and is designed to operate at spreading forces up to 2.500N/m,

speeds of up to 100 m/min and temperatures up to 230°C.

The new stentering chain is available for retrofitting into existing montex stenters.

Energy savings of up to 35% with new Eco Booster HRC

Following developments of its integrated heat recovery system, Monforts - ever aware of ensuring increased energy savings for its range of Montex stenters - has introduced the new Eco Booster HRC; ensuring energy savings of up to 35% and fully automatic operation to eliminate maintenance standstill times.

At the same time, the newly integrated heat recovery Eco Booster module removes up to 65% of the particle load in the exhaust air from the stenter. The Exhaust Air Cleaning system can be directly linked to the Eco Booster.

Even higher removal rates can be achieved with an optional electric precipitator.

The Eco Booster module features a fully automatic self-cleaning system eliminating standstill times for maintenance work and ensuring increased range availability.

The whole process can be easily monitored from the control panel via



the Monforts Qualitex 800 control system. Fully automatic operation of the Eco Booster is possible ensuring that no additional burden is placed on the operator.

Integrated support belt

An integrated belt support allows smooth, marking - free fabric travel across the width of the stenter. It has been designed to support heavy coated or knitted fabrics.

Split thermal system

Designed for special coating processes, technical and non-woven applications, the Montex 8500 optionally features a thermal splitting system which allows different finishing temperatures in both the upper and lower nozzle systems.

This is ideal for applications such as automobile carpets where different temperatures are required on both sides of the product.

Used in conjunction with the stenters TwinAir system, the thermal split allows, for example, the drying air temperature differences of the top nozzles to be 70°C to the lower nozzles.

Teleservice

Process visualisation on the new stenter offers improved TÜV-certified Teleservice facilities with easy operation and screen viewing. Software updates, speed up commissioning or quick remote monitoring during standstill are the decisive features.

Competence in Finishing of Home Textiles



A. Monforts Textilmaschinen GmbH & Co. KG
Germany | A Member of CHTC Fong's Industries

www.monforts.com

GERMAN 
Technology

