

Since 1997

World's Leading Textile Machinery & Products Manufacturer  
**Textile Times**  
Journal  
23rd Year of Success

# Textile Times®

GERMAN & SWISS Textile Machinery Special Edition

Summer June Edition 2020 / Sommer Ausgabe Juni 2020

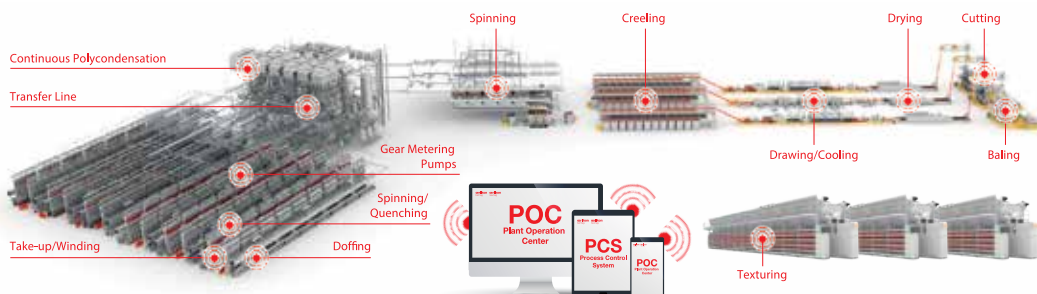
INTERNATIONAL

## Bring it to Life



## From Melt to Yarn, Fibers and Nonwovens

Oerlikon Manmade Fibers Segment with the product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven is the world market leader for filament spinning systems, texturing machines and BCF carpet yarn, staple fiber spinning as well as nonwovens solutions. For further information visit us at [www.oerlikon.com/manmade-fibers](http://www.oerlikon.com/manmade-fibers)



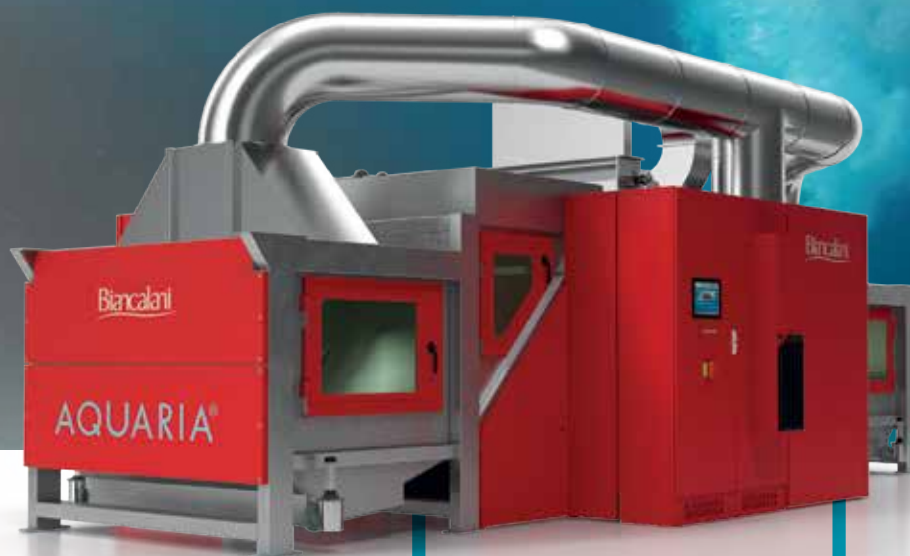
**oerlikon**  
barmag

**oerlikon**  
neumag

**oerlikon**  
nonwoven

# Biancalani

TEXTILE MACHINERY



## AQUARIA® INSPIRED BY NATURE

The impetuous force of water will accompany your fabric, will comfort and support it, will make it the purest, the most fascinating, the most desirable. **AQUARIA®**, our new continuous washing line in open width, will be your reliable partner to offer you all this!

BIANCALANI srl via Menichetti 28, 59100 PRATO ITALY | ph +39 0574.54871 | [contacts@biancalani.com](mailto:contacts@biancalani.com) [www.biancalani.com](http://www.biancalani.com)

**AGENT FOR PAKISTAN:** MUSTEX CORPORATION | V-6, P.E.C.H.S. Block- 6 Karachi | Pakistan | ph +92 21 34540226 | +92 321 2421131  
[Info@mustexcorporation.com](mailto:Info@mustexcorporation.com) | [www.mustexcorporation.com](http://www.mustexcorporation.com)

**SAURER.**

# Powering creation.

## From personal to digital

At Saurer, we take pride in being at the start of many creations. From personal consulting to state-of-the-art online services, we are committed to generating long-term value for our clients.







## Comfort is: Choosing from 4 technologies.

### Choosing the road to success

Rieter is worldwide the only supplier of excellent complete systems for all 4 spinning processes. Choose the best technology for your requirements.

More under [www.rieter.com](http://www.rieter.com)

### An investment in the right technology

Knowledge and experience in building textile machines and entire spinning plants are the cornerstones for your future-oriented operations. Rieter's comprehensive know-how in dedicated technology and all related process workflows guarantees cost effectiveness and success for customers and their products.





# CONTEST-F

**Cotton classing with integrated innovative stickiness grading**

- To test all cotton classification values
- 100% reliable measurement and grading of sugar stickiness
- Fully automatic to reduce operator influence
- Calibration with international standard materials
- Designed, engineered and manufactured in Italy

**ITMF - ICCTM**  
recognized

see: [www.itmf.org](http://www.itmf.org)

**Stickiness testing method**



**Micronaire  
Fineness  
Maturity**

**Length  
Short fibers  
Strength  
Elongation  
Moisture  
Colour grade  
Leaf grade**

**Stickiness**

**NATI Advanced (optional):**  
additional modulus for Neps,  
Seed Coat Neps, Trash and Dust



**Mesdan**

MESDAN S.P.A. Via Masserino, 6  
25080 Puegnago del Garda (BS) - Italy  
Tel. +39 0365 663142 Fax +39 0365 661011  
sales@mesdan.it [www.mesdan.com](http://www.mesdan.com)

MADHANI ASSOCIATES  
Tel. +92 21 3 5240481  
sales@madhani.com  
[www.madhani.com](http://www.madhani.com)





x



Eco Pure  
technology



soft on skin,  
gentle on nature

## TENCEL™ Modal fibers

Eco Pure technology brings totally chlorine-free-bleached TENCEL™ Modal fibers to the textile industry, offering one of the most responsible and cleanest choices within all existing modal fibers. Owing to the gentle bleaching process, fibers tend to be softer than conventionally bleached ones. Moreover, the process is more environmentally responsible than conventional bleaching.



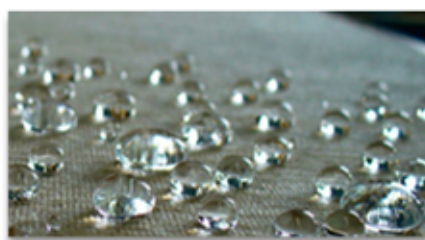
**Bio-Chem Textile** is a chemical distribution and sales company operating in Pakistan since 2012, we are specialized in **textile special chemicals** and working with pioneers such as **Resas Korino Group Turkey, Erca Textile Chemicals Italy. & Adrasa, Spain.**

**We deal in Textile Speciality Chemicals Sizing to Finishing**



### Printing

- \* Ready to use Gold/Silver pastes
- \* Super White Elastic Paste



### Dyeing & Finishing

- \* Pigment Dyeing System
- \* Water Repellents



### Pre-Treatment

- \* Special Optical Brighteners
- \* Complete Pre-treatment range

## Our Principals



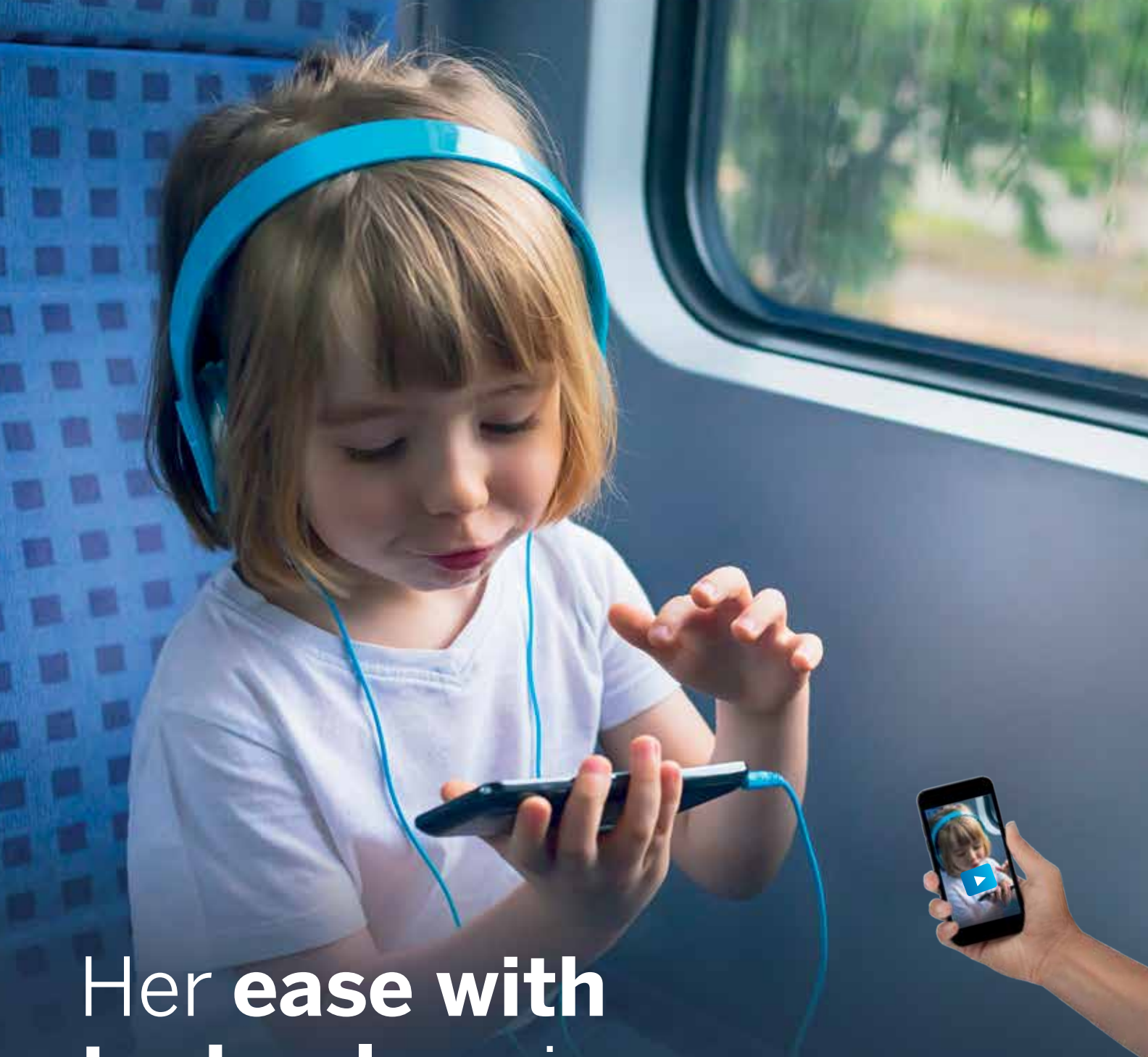
Turkey



Spain



Italy



Her **ease with**  
**technology** is our  
benchmark



SCAN THIS  
FOR APP

Discover our vision in  
video by scanning this ad  
with our new app.

[www.picanol.be](http://www.picanol.be)

**PICANOL**   
Let's grow together





## OPTICALLY CLEAR ENCAPSULANTS FOR UV DISINFECTION LAMPS

- ▶ High light transmittance
- ▶ High UV Stability
- ▶ Room temperature curable
- ▶ Low viscosity

CHT Germany GmbH  
Bismarckstr. 102  
72072 Tübingen  
Germany

Tel: +49 7071 154 0  
Fax: +49 7071 154 290  
Email: [info@cht.com](mailto:info@cht.com)

CHT Pakistan (Pvt.) Ltd.  
Sundar Industrial Estate 54-B  
Raiwind Road  
55150 Lahore

Tel: +92 42 111 111 248  
Fax: +92 42 352 974 82  
Email: [info.pakistan@cht.com](mailto:info.pakistan@cht.com)

# IMPRESSUM

## Textile Times

Tex Mach International Publishing  
1183-House, Street 1  
Sector G-9 / 2  
Islamabad- 44000  
PAKISTAN

Tele: +92-51-2855125, +92-300-9766099  
Fax: +92-51-2324466  
Email: info@textiletimes.com

## Editorial Board

Mr. Noor -Ud-Din Jehangir Khan  
President (Engr)

Salma Ayesha  
Chief Advisor

Mr. Waseem J. Khan  
Editor-in-Chief & Publisher  
B.Sc Textile Engineer – Pakistan  
M.Sc Textile & Clothing – Germany  
M.Sc Engineering Economics – Germany

Shaheena Khan  
Media Director

**Legal Consultant**  
Qureshi Law Associates

### Board of Advisors

**Mr. Maqsood Ahmed Naz**  
President & CEO  
Olympia International

**Mr. Tahir Saleem**  
Technical Director  
Fazal Textile Mills

**Mr. Intisar Laiq**  
Technical Director  
Saif Group, Cairo, Egypt

**Mr. Asher Khurram**  
CEO  
Comfort Knitwear

**Mr. K M Zeeshan**  
Director  
Al Amin Trading Corporation

**Mr. Kashif Amin**  
Manager Designing & Circulation

Europe Office  
Glockengasse 28  
47608 Geldern, Germany  
Cell: +49 176 970 66062  
info@textiletimes.com

# CONTENTS

|  |    |
|--|----|
| Editorial  | 14 |
| Global Textile and Clothing News   | 15 |
| DS Printech China 2020 exhibitors contribute to fight against COVID-19   | 22 |
| ISPO Re.Start Days provide orientation                                   | 24 |
| Important information for your trade fair activities in the time of COV- | 25 |
| DOMOTEX 2021: A change of perspective                                    | 28 |
| Frankfurt exhibition grounds get back to business                        | 31 |
| Cotton Council International Joins Sustainable Apparel Coalition         | 33 |
| Invista inaugurates 400,000-ton/year ADN Plant in Shanghai               | 36 |
| Sustainable Cotton Challenge to hike organic cotton uptake               | 37 |
| More African nations choosing GM cotton: Textile Exchange                | 38 |
| Cotton Australia unveils 2019 sustainability report                      | 41 |
| Cotton contamination level up from 2016: ITMF survey                     | 42 |
| CCI joins Sustainable Apparel Coalition                                  | 43 |
| IFC and IDB Invest co-lead a USD 1.1 billion financing to LD Celulose    | 44 |
| Home textiles made from bulky polyester                                  | 49 |
| Up-to-date with secured remote services                                  | 51 |
| Neuenhauser Textile - A fresh breeze for the past 60 years               | 54 |
| Business Situation Against the Backdrop of the COVID-19 Pandemic         | 62 |
| Swavelle and Mill Creek Fabrics acquire Bella-Dura,                      | 63 |
| Knitting machine shipments fall in 2019                                  | 64 |
| Machines For Manufacturing Reusable Face Masks                           | 70 |
| A safe working environment thanks to social distancing wearable devices  | 73 |

## Supporting Associations





# CONTENTS

|  |     |
|--|-----|
| Orientate magazin in conversation with: Mr Bernhard Wandinger, Head of | 78  |
| Non-stop innovation in quality management                              | 83  |
| Strategic transformation underway at Loepfe                            | 85  |
| Magnetic attraction of the Montex®Coat                                 | 86  |
| Major order for BRÜCKNER for several glass fibre finishing lines from  | 88  |
| Dow unveils binder for waterborne textile printing inks                | 91  |
| AATCC to host webinars on innovative business practices                | 92  |
| AATCC to host Visual Colour Training Webinar: Allied Market            | 95  |
| Virtual Home Textiles Sourcing Expo debuts next month                  | 111 |
| Global Hand Towels Market Outlook 2020-2030:                           | 112 |
| YKK produces essential parts for PPE for health workers                | 115 |
| Mexican Textile & Apparel Industry – An Outlook                        | 117 |
| Testimonials from Atlas Copco Customers                                | 119 |
| Increase oil life and system efficiency with                           | 121 |
| Supervisory Board of Schaeffler AG with five new                       | 125 |



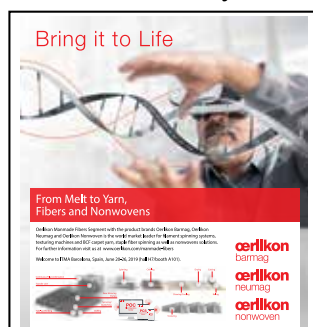
Appears Monthly, By subscription see separate subscription form with the acceptance of the complete data, original articles & statistical analysis for publication the exclusive right to publish & translate is transferred to TMI publishing.

Reprinting or photomechanical reproduction, computer memorisation or reproduction through the electronic media, wholly or in part, is permissible only with the approval of the publishing house of TMI. No printing claims for ads are acceptable if the advertiser has not provided the printed proof. No liability is accepted for unsolicited manuscripts sent in.

Govt. Registration  
7741 / 2 (90) - Press - 2009  
© Copy Rights 2020

Printed at: PanGraphics (Pvt) Ltd.  
Islamabad-Pakistan

## Title Story



# oerlikon

Oerlikon Manmade Fibers Segment with the product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven is the world market leader for filament spinning systems, texturing machines and BCF carpet yarn, staple fiber spinning as well as nonwovens solutions. For further information visit us at [www.oerlikon.com/manmade-fibers](http://www.oerlikon.com/manmade-fibers)

Subscription:- Textile Times is Published-monthly by TEX MACH publishing. The Annual Subscription costs US \$ 120 / Euro 100 ( Air mail ). For Local Clients Pak Rs. 5000/-

It takes three to four weeks for delivery.

Publisher reserves the right to refuse any subscription.

# ITM

# 2021

## İSTANBUL

### INTERNATIONAL TEXTILE MACHINERY EXHIBITION

TÜYAP FAIR CONVENTION AND CONGRESS CENTER  
BEYLİKDÜZÜ / İSTANBUL

## 22-26 JUNE 2021

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

TÜYAP FAIRS INC.  
P : + 90 212 867 11 00  
F : + 90 212 886 66 98  
[www.tuyap.com.tr](http://www.tuyap.com.tr)



OWNERS



TEKNIK FAIRS INC.  
P : + 90 212 876 75 06  
F : + 90 212 876 06 81  
[www.teknikfuarcilik.com](http://www.teknikfuarcilik.com)

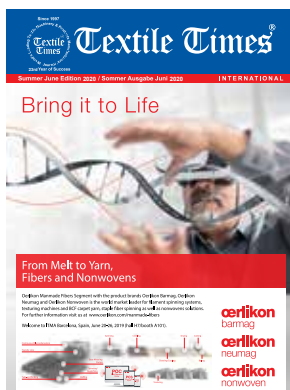
AUTHORIZED EXCLUSIVE SALES REPRESENTATIVE IN CHINA  
SHANGHAI TENGDA EXHIBITION CO.,LTD.  
Ph:+86-21-60493344 - Fax:+86-21-58499947  
info@textenda.com



"This Fair is organized with the audit of TOBB (The Union of Chambers and Commodity Exchanges of Turkey) in accordance with the Law No.5174"







## editorial

*Dear Readers,*

It is very transparent and agreed to all of you that after 2nd world war, this is the most disaster situation in the world. One to all unanimous that we are all fighting against a tiny germ which is still not specified—how to protect and prevent delicately. The whole world working together to out play the disease named Covid-19. It is needless to say that like others professionals in this battle—the textile technical and researchers are also playing a vital role, which seemed—not be focused too much. But their importance cannot be ignored. From mask to medical gown, personal protective equipment (PPE) and even casual dresses—we are protecting persons by using special type of finished fabric.

Right now we are only knowing that mask and gown or other PPE just protect ourselves but we have the clothe that also kill the virus as well. While Covid-19 coming in to fabric contact within 60-120 seconds—it will be killed or destroyed. This is a special textile chemical application on fabric surface.

As a textile technologist we have to know more details of the Covid-19 virus as well as our latest textile development so that we can meet onwards world clothing demand. Hoping we have a nice business in future if adopt this textile technology delicately. Pakistan's cotton production - already on a downward trajectory for several years - is likely to see further decline given the dearth of any corrective measures, warned the Sindh Abadgar Board (SAB), a farmers' lobbying group.

While the textile industry can import cotton to fulfill its demands with many incentives to the industry, the country's precious foreign exchange reserves will bleed, those present at the meeting pointed out. Highlighting the drop in Pakistan's cotton production from 14.8 million bales to 9.4 million bales, they added that cotton farmers, too, would be at a loss. The condition of the textile industry will worsen amid a liquidity crunch and shrinking global business, and will lead to closure of industrial units, decline in exports and massive unemployment. The decrease in the Bank mark-up will support the Textile Industry of Pakistan, but more supportive steps should be taken to save the industry.

Pakistan Hosiery Manufacturers Association (PHMA) Chairman Salamat Ali, in a statement, said the value-added textile export industry had rejected the federal budget for 2020-21, terming it "one-sided and unrealistic" without

any relief for the textile industry, which was the backbone of the economy and exports. Being the most labour-intensive, the textile industry provides employment to a huge number of female workers, particularly to the lower class, in garment units.

The association was of the view that the textile industry had been completely ignored and deprived of relief in the federal budget, which purportedly had been made on directives of the International Monetary Fund (IMF). It said the imposition of 17% sales tax in the previous budget had brought a disastrous impact on the textile industry and its exports as well as caused liquidity crunch due to stuck refunds worth billions of rupees. "The demand for restoring the zero-rating facility and proposals of the textile export sector have been disregarded," it said.

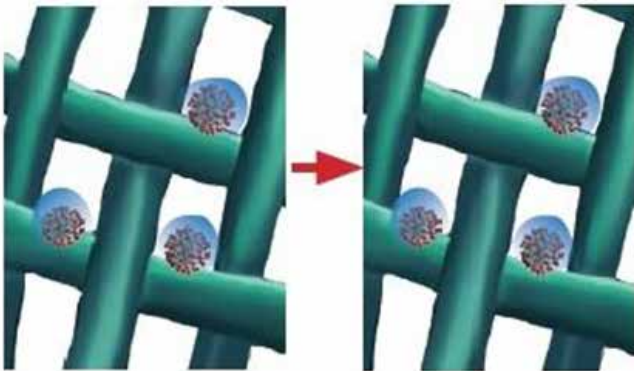
Value-added textile exporters have expressed sheer disappointment and have demanded that the government review and restore the zero-rated regime for the five major export sectors as a lifeline for the economy. For the first time in 68 years, Pakistan's economy is set to contract this fiscal by 0.38 per cent due to the impact of the COVID-19 pandemic along with the pre-pandemic weak financial situation, according to the Economic Survey released recently by finance advisor Abdul Hafeez Sheikh, who said exports fell due to a fall in demand while remittance decreased due to layoffs of Pakistanis employed abroad. Sheikh said the current account deficit was reduced by 73.1 per cent to \$2.8 billion (1.1 per cent of the gross domestic product (GDP)) against \$10.3 billion last year which was 3.7 per cent of GDP. The current account deficit that the present government inherited was around \$20 billion.

Except for the agriculture sector that grew by 2.7 per cent, the industrial and services sectors witnessed negative growth rates, pulling the overall growth rate down to negative 0.38 per cent in fiscal 2019-20, which ends on June 30, the Economic Survey said. The major Textile Industries, have now resumed their production operations in Pakistan. There is uncertainty regarding the exports and buyer's behavior, as now almost orders for 2020 are placed, delayed or canceled. Therefore, getting a big order now for 2020 will be a blessing in disguise.

**WASEEM J. KHAN**  
Editor in Chief

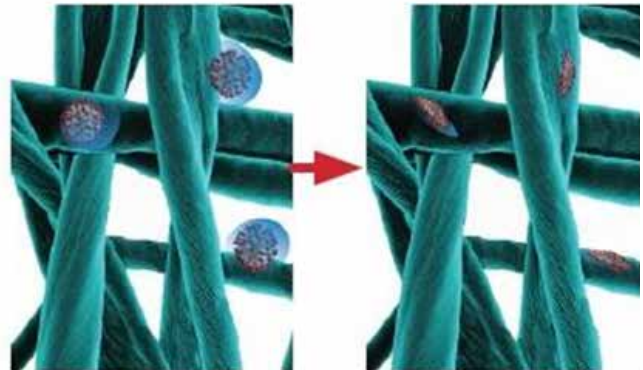
# Global Textile & Clothing News

## POLYESTER FABRIC



Schematic diagram to show how virion-aerosol droplets remain on the hydrophobic fibres and survive.

## COTTON FABRIC



Schematic diagram to show how virion-aerosol droplets are absorbed and the virions desiccate and dry.

## Cotton best choice for non-surgical face masks: ICAC

Cotton is superior to synthetics and other fibre types for making non-surgical face masks to protect against COVID-19 infection and spread. The ability to absorb, dehydrate and deactivate the virus, combined with the fact it's biodegradable and can be impregnated with antimicrobial nanoparticles, makes cotton the best choice for do-it-yourself face masks. The main criteria for face masks are filtration efficiency, pathogen obstruction and physical comfort of the mask including breathability. Cotton fabric has been found to be superior to all other fabrics in all these respects,

the International Cotton Advisory Committee (ICAC) said in a research paper this month. The research paper 'The role of cotton in face masks' points out that due to their unique physical, chemical and isoelectric properties, cotton fibres were found to be superior to synthetic fibres such as polyester and nylon in filtration and in being detrimental to viruses, pathogenic bacteria and fungi as well as in comfort and breathability. Mounting scientific evidence supports the recommendation of cotton being the preferred choice in face masks for protection against a wide range of harmful

microbial pathogens including coronaviruses such as SARS-CoV-2, the research notes said. There are three critical characteristics that make cotton so effective in face masks: hydrophilicity, rough surface/adhesion hysteresis and a high iso-electric point, Keshav Kranthi, head of ICAC Technical Services and primary author of the document, said. "Where synthetics are hydrophobic and repel water, cotton absorbs it and destroys the envelope of moisture that surrounds and protects the virus," Kranthi explained. "Cotton's rough surface is much better for trapping nano-sized virions than the smooth surface found on synthetic fibres, and its higher iso-electric point is effective at reducing the virus's survival and recovery efficiency."



Verband Deutscher Maschinen- und Anlagenbau e.V.  
Lyoner Strasse 18  
60528 Frankfurt/Main  
Postfach 71 08 64, 60498 Frankfurt/Main

Telefon +49 69 6603 0  
Fax +49 69 6603-1511  
E-Mail: [boris.abadjieff@vdma.org](mailto:boris.abadjieff@vdma.org)  
Internet: <http://txm.vdma.org>



## Talks on minimum wage in Cambodia for 2021 to start in Aug

Cambodia's labour ministry recently announced deliberations for next year's minimum wage for workers in the textile, garment and footwear sector will start in August. As the sector is badly hit by the impact of the COVID-19 pandemic, the negotiations this year are widely expected to be tougher. The monthly minimum wage for garment workers in 2020 is \$190.

The National Council on Minimum Wage will hold meetings between representatives of unions, employers and the government to iron out proposals put on the table for negotiations, the ministry said in a statement. It said all parties must provide researched data on social implications, such as family status, inflation rate and cost of living, as well as economic implications including productivity, competitiveness of the country, labour market status and profitability of the sector, of the wage increase as stipulated in Article 5 of the Law on Minimum Wage, according to Cambodian media reports.

## FPS Apparel Empowered to Produce 10,000 Protective Masks Per Week

Live in less than a week with Gerber's retooling solution and



support. With help from Gerber Technology, FPS Apparel was able to quickly transition from producing promotional apparel to producing personal protective equipment (PPE) in just a week. FPS Apparel's current production allows them to produce and donate 10,000 masks per week to various healthcare facilities and first responders. As COVID-19 began to spread to New York City in early March, FPS Apparel knew they had to do their part to protect the health and safety of those fighting the pandemic on the frontlines. "It's a priority for all of us at Gerber to ensure our customers have everything they need to successfully transition to PPE," said Pete Doscas, Vice President & General Manager, Americas Sales & Service Delivery of Gerber Technology. "With FPS Apparel being in the middle of an epicenter, we knew we had to help them, not only in

regards to cutting equipment but through training and by connecting them with our other customers, which allowed them to get up and running as fast as possible so they could do their part to help stop the spread of COVID-19." In order for FPS Apparel to produce a large quantity of effective masks, they needed cutting equipment that would allow for fast, reliable and efficient quality cutting. Gerber was able to deliver and install a Gerber Paragon® multi-ply cutter and AccuMark® fashion design software in just a matter of days, allowing FPS Apparel to dramatically increase production. The cutter was able to seamlessly integrate with FPS' microfactory setting ensuring little disruption to their workflow. Gerber also provided FPS Apparel with production-ready patterns and expertise on PPE production. "It was truly a team effort with Gerber," said Dan Feinberg of



British Textile Machinery Association  
City Heliport  
Liverpool Road  
Eccles, Manchester  
M30 7RU United Kingdom

T: +44 (0)161 775 5740  
F: +44 (0)161 775 5485  
E: [btma@btma.org.uk](mailto:btma@btma.org.uk)  
[www.btma.org.uk](http://www.btma.org.uk)



FPS Apparel. “They delivered and installed the machine in less than a week while providing the support and training we needed to start production right away. They’ve also connected with several of their customers to find capacity for sewing and procurement.”

By converting their production, FPS has not only saved thousands of lives but they’ve also helped save jobs. Rather than temporarily shutting down their production completely when COVID-19 reached New York City, they chose to keep their employees working by giving them the opportunity to use their skills to help keep those on the frontlines safe and healthy.

### About FPS Apparel

Located in the foothills of the Hudson Valley, their Chester, NY office is where the magic happens. They like to think of it as a ‘microfactory’ fit for small

runs and sampling, with their bulk production happening in our other locations. The mission of FPS Apparel is to be a leader and trendsetter in customized apparel. With an innovative product line, cutting-edge software, and top-notch service, they strive to bring customers trendy clothing that can be customized in unique ways, at low minimums, with quick turnaround times.

Their customers represent some of the largest brands in America and beyond. From Fortune 500 companies to mom & pop retailers, they work solely with wholesalers and distributors, never direct. They proudly carry A+ / 5-star industry ratings through ASI & SAGE. Visit [www.fpsapparel.com](http://www.fpsapparel.com)

### About Gerber Technology

Gerber Technology delivers industry-leading software and

automation solutions that help apparel and industrial customers, including over 100 Fortune 500 companies, improve their manufacturing and design processes and more effectively manage and connect the supply chain, from product development and production to retail and the end customer. With offices in 134 countries, Gerber Technology has a global team of passionate experts to support companies in apparel and accessories, personal protective equipment, home and leisure, transportation, packaging and sign and graphics.

Based in Connecticut in the USA, Gerber Technology is owned by AIP, a New York based, global private equity firm specializing in the technology sector and has more than \$3.0 billion assets under management. The company develops and manufactures its products from various locations in the United States and Canada and has additional manufacturing capabilities in China.

### CBI Group Produces 20,000 Units per Day of Personal Protective Equipment (PPE)

CBI Group leverages Gerber Technology for Amma - Ind. de Confecções, Lda facility to increase production by 50%. CBI Indústria de Vestuário S.A. leveraged their long-standing partnership with Gerber Technology to successfully



**Lonati Spa**  
Via Francesco Lonati, 3 - 25124  
Brescia (Italy)

Tel: +39 030 23901  
Fax: +39 0302310024  
Email: [info@lonati.com](mailto:info@lonati.com)  
Email: [lonatipa@legalmail.it](mailto:lonatipa@legalmail.it)





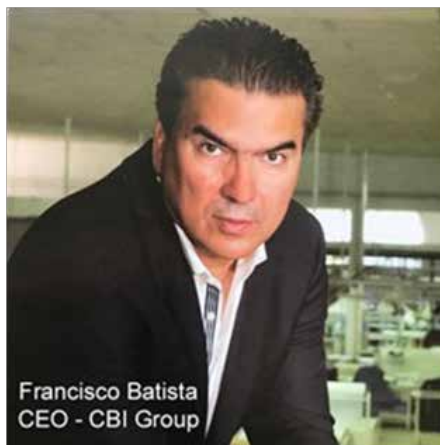


# aquarius



**BRAZZOLI®**  
THE DYEING MACHINES MANUFACTURER

Brazzoli S.R.L.  
Via Alla Chiesa, 41 - 20030 Senago  
(MI) - Italy  
T +39 02 990192.1  
[info@brazzoli.it](mailto:info@brazzoli.it)  
[www.brazzoli.it](http://www.brazzoli.it)



convert their production lines to personal protective equipment (PPE). The CBI Group normally specializes in men's, women's and children's clothing but were one of the first companies in Portugal to transition to PPE production during the COVID-19 outbreak. With the support and expertise of Gerber, the CBI Group is producing 20,000 consumer masks per day and is expected to increase their production capacity by 50% when an additional Gerber Paragon® arrives at their recently-acquired Amma - Ind. de Confecções, Lda facility.

"We are so proud of the CBI Group's tremendous efforts towards increasing production of PPE," stated Francisco Aguiar, Sales Director of Gerber Technology. "We are fully committed to supporting them in every way we can, whether it be sharing our expertise, providing resources, or helping them optimize their production for an efficient process." Confidence and stability play an important role in the current economic state of the

world, which is the reason the CBI Group chose a Gerber Paragon for their Amma Têxtil facility, which was originally using another technology partner. Gerber provided the CBI Group with early access to essential market information like raw material suppliers and production-ready patterns which allowed them to quickly get started producing PPE. The CBI Group relied heavily on Gerber's PPE Resource Center to quickly connect with raw material suppliers and mask models which made their transition fast and fluid.

"Gerber's initiative to help companies convert their regular production to production of PPE was essential in the first phase, where it was necessary to quickly identify suppliers of raw materials in order to be able to start production and to access mask patterns ready to produce," said Francisco Batista, Administrator for CBI Group. "Gerber was above all a proactive partner who was there from the start to guide the process along the entire value chain."

### About the CBI Group

The CBI Indústria de Vestuário S.A. operates in the apparel industry, producing men's and women's high-quality clothing, aimed at the medium/high segment. In the market since 1997, it is located in Mangualde, Portugal, producing mainly to external markets like Spain, France, England, Germany,

Northern European countries and the United States.

The company currently has around 200 qualified employees and produces about 600 pieces per day, including jackets, trousers and vests. It recently created a new production line for PPE and now produces 20,000 units of masks and gowns per day, which will soon be increased by 50%.

Besides the facilities in Mangualde, it also has its own production in Cape Verde and Morocco for the production of more competitive product lines. Visit [www.cbiportugal.com](http://www.cbiportugal.com)

### USMCA enters into force Jul 1; AAFA, USCM welcome start

Though the United States-Mexico-Canada Agreement (USMCA) went into effect from July 1, many requirements of the deal, such as expanding worker rights or opening up the flow of agriculture, have not been fully met, or still need to be phased in over the coming months and years. The deal's protections for workers could still falter, US labour leaders caution. The agreement, reached after more than two years of talks, sought to change Mexico's labour rules so that workers could enjoy the freedom to form unions and bargain for better wages. But those changes are still winding their way through the Mexican legal system, under threat from powerful



ACIMIT  
Via Tevere, 1  
20123 Milano (ITALY)

PH: +39 02 46.93.611  
FAX: +39 02 48.00.83.42  
EMAIL: [info@acimit.it](mailto:info@acimit.it)



Perfection down to the smallest detail.

competence from Germany since 1905



***Mayer & Cie.***  
***Rundstrickmaschinen***

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





companies and politicians.

As industries like automobiles and agriculture continue to struggle to understand recent US government guidelines related to the deal, companies, government authorities and union leaders across North America have been rushing to comply with the agreement, according to a top US newspaper.

"Today as #USMCA enters into force, many improvements must be made to fulfill its promises," Richard Trumka, the president of the American Federation of Labour and Congress of Industrial Organisations (AFL-CIO), wrote on Twitter. "We will fight to ensure that the #USMCA doesn't become another #NAFTA."

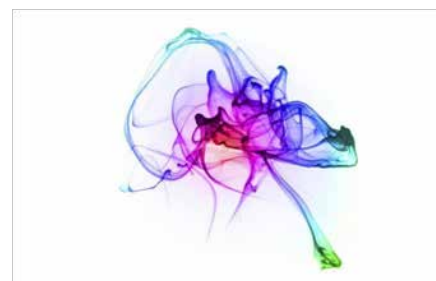
American officials say they are gearing up to use the new

deal as a way to challenge Canadian and Mexican business practices that harm US interests.

Welcoming the implementation of the agreement, American Apparel & Footwear Association President and chief executive officer Steve Lamar said: "Allowing the agreement to provide structure and avoiding the imposition of unnecessary trade barriers, such as punitive tariffs, will be essential for these American businesses and the American workforce to succeed and prosper under the agreement. Ensuring predictability and lowering trade barriers are always important, but even more so now, as we recover from and safely restart our economy in light of COVID-19." The United States Conference of Mayors (USCM) also hailed the implementation of the agreement.

## Sun Chemical & DIC complete Sensient Imaging acquisition

Sun Chemical Corp, a US-based producer of printing inks, coatings and supplies, pigments & polymers, and its parent company, DIC Corporation, have announced the completion of the purchase of 100 per cent shares of Sensient Imaging Technologies, a leading supplier of digital inks, and certain other assets related to the production of inks. The strategic investment in Sensient Imaging Technologies,



Mayer & Cie.  
GmbH & Co. KG  
Emil-Mayer-Strasse 10  
D-72461 Albstadt

P.O. Box 201580, D-72438 Albstadt  
Phone: +49 (0)7432 700-0  
Fax: +49 (0)7432 700-362  
Email: info(at)Mayercie.com



will allow Sun Chemical and DIC to expand its inkjet ink capabilities and expertise using complementary technologies that will further strengthen the highest standards of services and solutions to its customers and distributor partners. The acquisition also underscores Sun Chemical's ongoing commitment to sustainability by expanding its offering of inkjet inks for textile and dye sublimation printing technologies known for their improved sustainability profile. Inkjet is a strategic segment for Sun Chemical and DIC, and the investment in Sensient Imaging Technologies demonstrates Sun Chemical and DIC's commitment in the digital segment.

"We are delighted to welcome the employees of Sensient Imaging Technologies to the Sun Chemical family and we are excited about the prospects of combining our offerings in digital technology, capability, products and services to the valued customers and distribution and technology partners of the Sensient inks business and Sun Chemical," Peter Saunders, global director-digital business, Sun Chemical, said in a press release.

In the post-Covid19 business environment, particularly in fast fashion and packaging, supply chains will demand ever more agile and flexible production capability. Inkjet and digital print has unique capabilities to deliver on these needs. Through this acquisition and continued investments in ink

technology and innovation, Sun Chemical and DIC are positioned to capitalise on the opportunities digital print offers for growth and expansion. Sun Chemical is committed to a customer-focused service transition and to building on the reputation of Sensient Imaging Technologies for quality and innovation.

### Australian swimwear brand Seafolly enters administration

Australian swimwear and fashion brand Seafolly recently went into voluntary administration after suffering 'crippling financial impact' due to the COVID-19 pandemic. The brand appointed KordaMentha as administrators, who will immediately begin the process to sell the business. Administrator Scott Langdon said it will be business as usual for customers. Seafolly has launched a 70 per cent off sale on a range of

clothing after the announcement and is cutting 120 staff. The huge discount has been offered on over 80 items, including women's swimwear, skirts, jumpsuits, handbags and bathing suits for kids. Seafolly gift cards and Beach Club Rewards points will remain fully redeemable. "Given the quality of the brand and its reputation, there will inevitably be a high level of interest in purchasing the business," Langdon was quoted as saying by Australian media reports. Seafolly was founded by Peter and Yvonne Halas in 1975, and has since grown to 44 stores in Australia and 12 overseas. In 2014, US private equity firm L Catterton purchased 70 per cent of the business for around \$70 million. L Catterton is linked to LVMH, the owner of several luxury brands including Louis Vuitton, Fendi and Marc Jacobs. It was spawned out of a partnership between LVMH and private equity firm Catterton in 2016.



**SOORTY**  
World Of Design

Head Office - Marketing & Sales  
Plot 26, Sector 23, Korangi Industrial Area,  
Karachi 74900, Pakistan

T : +92 21 35061912 ( 7 Lines )  
UAN : 111 111 735  
F : +92 21 35060584 / 35061053



## DS Printech China 2020 exhibitors contribute to fight against COVID-19

A number of digital and screen printers and equipment suppliers who have confirmed their participation in the debut edition of DS Printech China are assisting during the COVID-19 pandemic by contributing resources and skills to ease the pressure on face mask and other PPE supply chains. Some are also providing online and other special customer services to help the industry navigate this uncertain time.

“In the global fight against the pandemic, every effort in preventing the spread of the virus counts. We are glad to see that

digital and screen printers in the textile industry have played an important role in assisting the frontline pandemic response,” said Ms Wendy Wen, Senior General Manager of Messe Frankfurt (HK) Ltd. “The kind and meaningful gestures of our exhibitors have demonstrated their dedication to social responsibility and commitment to the community.”

**Gildan** has leveraged its manufacturing facilities to produce non-medical face masks and isolation gowns. Cooperating with various business partners, the company are helping to

lessen the current shortage of these much-needed items in the healthcare community. The Canadian company is a leading apparel manufacturer which owns a diversified portfolio of brands such as Gildan®, American Apparel® and Comfort Colors® among others. Their products are sold to a broad range of customers including wholesale distributors, screen printers and embellishers, retailers and global lifestyle brand companies.

**Brother International Corporation** (USA) will be donating up to 100 industrial



Donzdorfer Strasse 4, D-73079 Süssen, Germany  
Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com

Factory and Shipping Address  
Donzdorfer Strasse 65, D-73079  
Süssen, Germany  
E-mail: mail@suessen.com



sewing machines to support the manufacturing of personal protective equipment. The first few companies receiving the donations will include a coalition of well-known American apparel brands and textile companies such as Los Angeles Apparel, Beverly Knits and SanMar. Brother is a premier provider of home office and business products, home sewing and crafting appliances as well as industrial solutions for the print and imaging, labelling and sewing sectors.

**Beijing JHF Technology Co., Ltd.**, from China, donated RMB 1.2 million (USD 169,000) to support the efforts in containing the spread of the virus in Shandong province. As one of the leading manufacturers in the global inkjet printing industry, the company is a pioneer in the development of UV digital inkjet printing. They develop, manufacture and market high quality inkjet printing equipment for advertising and industrial printing.

### Navigating through this unprecedented time

There is no denying the impacts that the pandemic has had on most industries, and the digital and screen printing sector is no exception. With social distancing measures widely adopted by governments, businesses are implementing different measures to brace themselves for the challenges posed.

ATMA, a Taiwan-based supplier

which will exhibit at DS Printech, has developed a contingency plan to ensure smooth operation and maintain customer relations while minimising physical contact. They are providing online customer service, and video demos for equipment installation and more. Founded in 1979, the company focuses on R&D and manufacturing of screen printing machinery. Their products are exported to over 70 countries and regions.

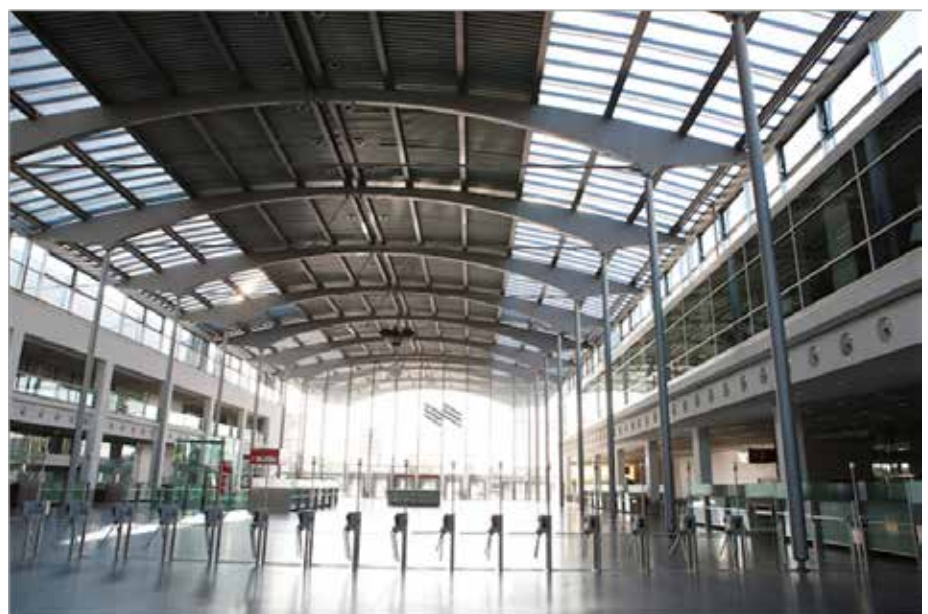
DS Printech China, an influential platform dedicated to the screen and digital printing industry, is a rebranded fair of two pre-existing events: CSGIA and the concurrent Textile Digital Printing China. The new fair will take place at the brand-new Shenzhen World Exhibition and Convention Center from 28 – 30 October 2020.

The fair is co-organised by Messe Frankfurt (HK) Ltd,

China Screen Printing & Graphic Imaging Association (CSGIA) and Guangzhou Teyin Exhibition Service.

### Background information on Messe Frankfurt

Messe Frankfurt is the world's largest trade fair, congress and event organiser with its own exhibition grounds. With more than 2,600\* employees at 30 locations, the company generates annual sales of around €733\* million. We have close ties with our industry sectors and serve our customers' business interests efficiently within the framework of our Fairs & Events, Locations and Services business fields. One of the Group's key USPs is its closely knit global sales network, which extends throughout the world. Our comprehensive range of services – both onsite and online – ensures that customers worldwide enjoy consistently



**CHT PAKISTAN (Pvt) Ltd.**  
CHT House, 54-B Sundar Industrial Estate, Raiwind, Lahore

Phone: +92 42 35297476-81  
Fax +92 42 35297482  
info@cht.pk.com

high quality and flexibility when planning, organising and running their events. The wide range of services includes renting exhibition grounds, trade fair construction and marketing, personnel and food services. Headquartered in Frankfurt am Main, the company is owned by the City of Frankfurt (60 percent) and the State of Hesse (40 percent). Vienna - The 2020 edition of the Dornbirn Global Fibre Congress has been cancelled as a result of the coronavirus pandemic with organisers preparing a series of webinars as an alternative. "Due to the impact of Covid-19 there will be no possibility to conduct

the congress in its usual form this year," organisers said in a statement. "The travel restrictions and the extraordinary economic situation complicate the planning of events. The health aspect and the safety of our visitors are in the foreground of our decision."

Following the decision, organisers will present a series of online lectures and discussions in from 16-18 September with a focus across a number of key topics.

The programme includes:

- A keynote presentation on Green Deal – Implications for the textile Industry and the

awarding of the Paul Schlack/Wilhelm Albrecht Prize.

- Lectures and discussions on topics including: Leading Polymer Recycling Technologies; Smart, integrated, digital textile production chain; Lessons learned from packaging – EPR schemes for Textiles; and Circular Economy.

There will also be a number of lectures and discussions on key issues such as PPE Production – a challenge for the industry.

The webinars will be free of charge with a link released shortly.

## ISPO Re.Start Days provide orientation for the sports and outdoor industry

Mr. Daniel Keppler, Brand Manager

- Digital live conference for the sports and outdoor industry
- Main topics: digitization, sustainability and health
- European Outdoor Group and Association of German Sports Retailers support event

In the course of the current corona pandemic, the international sports and outdoor industry is facing far-reaching challenges. The ISPO team also had to cancel OutDoor by ISPO 2020 and the ISPO SDG Summit and postpone the ISPO Digitize Summit. However, the focus and motto of the current anniversary year, "50 years of

tomorrow", will remain: Based on the feedback and needs of the most important industry stakeholders, ISPO developed a digital live conference for the sports and outdoor industry. The ISPO Re.Start Days on June 30 and July 1 2020 offer orientation and growth strategies during and after Corona. Based on this year's anniversary, ISPO proclaimed "50 years of tomorrow" at the beginning of this year. The existing events, supplemented by new formats, were intended to further promote sports and the outdoors and to make them drivers of global, sustainable change. However, the developments around the

corona virus made the original planning obsolete. OutDoor by ISPO 2020 had to be cancelled, the premiere of the ISPO SDG Summit is postponed to 2021 and the ISPO Digitize Summit will be held at ISPO Munich 2021. But also, or especially under the new circumstances, the ISPO group continues to focus on its motto. Digital format for a restart "Corona is changing the world, the rules are just being rewritten" says Klaus Dittrich. The Chairman of the Board of Management of Messe München is certain: "We are living up to our pioneering role even in these difficult times and are making a fresh start with



ANDRITZ Küsters  
GmbH Germany

Eduard-Küsters-Str. 1  
47805 Krefeld, Germany.  
Tel: +49 (2151) 34 0  
Email: kuesters@andritz.com



the sports and outdoor industry. We are focusing everything on the '50 years of tomorrow'." European Outdoor Group supports ISPO Re.Start Days The digital live conference is aimed at an international audience and is developed in close cooperation with industry associations such as the European Outdoor Group (EOG) and the Association of German Sports Retailers (vds). Mark Held, President of the European Outdoor Group: "Access to nature is important and helpful

for the well-being of all people. This is where we continue to see a growing importance and major role for the outdoor industry. At the same time, however, we must discuss the negative consequences of the crisis for society and the economy as a whole and rethink the challenges it poses. We can only do this together and we will be fully involved." Focus on digitization, sustainability and health The event will focus on three main topics: Digitalization, Sustainability and Health. The

program is dedicated to best cases in times of Corona and will present ideas, projects and campaigns implemented at short notice. Experts will talk about the boost the pandemic is giving digitization, which aspects of it will be preserved and which counter-movements are already forming as a result. Industry experts will show in which areas consumers are questioning the behavior of companies and how brands should react.

## Important information for your trade fair activities in the time of COVID-19

Everyone has felt the impact of the COVID-19 pandemic. As trade fair, congress and event organisers and venue operators, the wellbeing of everyone involved is extremely important to us. That is why Messe Frankfurt has developed a concept for hygiene, medical and organisational measures that has been approved by the authorities. Ensuring the health and safety of all exhibitors, visitors, service partners and employees is Messe Frankfurt's top priority.

This factsheet is based on the applicable requirements set out in Hesse's ordinance on restricting contact and operations due to the coronavirus issued on 7 May 2020. As the organiser and operator, Messe Frankfurt is responsible

for the implementation and conscientious observance of the protection and hygiene regulations that are applicable at the time of the event on the exhibition grounds. As an exhibitor, you are responsible for implementation and observance at your stand, in the same way that you are responsible for compliance with regulations governing occupational health and safety and fire protection. Furthermore, the general and specific Technical Guidelines for the event continue to apply.

### Recommendations for exhibitors:

Please update your stand construction concepts to satisfy protection and hygiene regulations. To ensure that we can

remain in close contact before and during the event, we ask that you act well in advance to designate a contact person who can be reached by Messe Frankfurt and by the authorities.

### Distancing rules

- It is currently necessary to maintain a minimum distance of 1.5 metres
- Stand planning must allow for larger stands in which less area is occupied by structures so that as many people as possible can be present on the stand simultaneously
- Free-standing exhibits should be surrounded by generous open spaces with markings to

**USTER®**  
Think quality

Uster Technologies AG  
Sonnenbergstrasse 10  
CH-8610 Uster  
Switzerland

Phone: +41 43 366 36 36  
Fax: +41 43 366 36 37  
info@uster.com



- help visitors maintain proper distancing
- Presentations can take place at the stand as long as all protection and hygiene rules applicable at the time of the event are complied with
- Suitable structural measures (e.g. acrylic glass panels) or personal protective equipment (face masks) must be employed during personal contacts or in meeting areas with tables and chairs if minimum distancing cannot be maintained
- Exhibits, display cases, counters, displays, screens etc. should be located at least 1.5 metres from the edge of the stand so that visitors can leave the aisles to view them
- Product presentations at the edges of the stand should be avoided to prevent large gatherings of people in the aisles
- Upper storeys should either have stairways wide enough to allow visitors to travel in both directions or one-way traffic should be ensured
- Stand parties are not possible under current conditions

### Active visitor

- Stands must have clearly defined and labelled entrances and exits that can be monitored

- The exhibitor must document the persons they deploy at the stand on a daily basis (Messe Frankfurt fulfils this obligation for the service personnel that it provides)

### Hygiene measures

- Compliance with the hygiene recommendations of the Robert Koch Institute ([www.rki.de](http://www.rki.de))
- Disinfectant dispensers must be provided at the entrances and exits to the stand
- Heavily used surfaces such as counters, tables, display cases, exhibits and displays must be cleaned and disinfected frequently between visitors as required
- Smaller exhibits should be presented behind glass (in display cases or similar) wherever possible to prevent multiple people coming into contact with uncleaned surfaces of samples/displays (making it necessary to regularly disinfect these surfaces)
- The ceilings of meeting rooms should be left entirely open to ensure that there is sufficient air exchange
- If a stand has an upper storey, the area beneath it should remain open and sufficient air exchange should be ensured
- Face masks must be worn if

mandated by the regulations applicable at the time of the event

### Stand catering

- If food and beverages are provided, please do so in closed containers wherever possible
- Protection and hygiene regulations applicable at the time of the event must be complied with

### General information

- Observance of the travel and quarantine regulations applicable at the time of the event
- Distancing and hygiene rules may result in delays during set-up and dismantling. That is why we ask that you take advantage of the entire period offered by Messe Frankfurt for set-up and dismantling
- The exhibitor must instruct all companies (exhibitors, stand constructors, service partners) participating in a stand to comply with protection and hygiene regulations. Furthermore, everyone must instruct their personnel regarding occupational health and safety. The resulting measures are to be incorporated into a safety and hygiene concept in German or English. This concept must be presented to the authorities on

**Biancalani**  
TEXTILE MACHINERY

Biancalani Srl

via Menichetti, 28 59100 Prato Italy  
Phone: +39 057454871  
Fax: 0574633491  
E-mail: [contacts@biancalani.com](mailto:contacts@biancalani.com)



Since 1958 BUSI GIOVANNI Srl has specialized in the design and construction of single-cylinder machines with rib needles in the dial for the production of high-quality stockings, socks and tights.

Today, BUSI is recognized worldwide as one of the most prestigious producers of machines for high-performance, high-tech socks.

BUSI is a supplier to the most important producers of wool and cotton stockings, socks and tights, for the men's, women's and children's markets: classic, patterned, sports, technical-sports, as well as medical, with special solutions for graduated compression.

We sell in more than 60 Countries around the world (90% exports, and growing) through a network of partners that provide distribution and service. Our factory has a covered surface area of 3,000 m<sup>2</sup> and a staff of 40 employees.



- help visitors maintain proper distancing
- Presentations can take place at the stand as long as all protection and hygiene rules applicable at the time of the event are complied with
- Suitable structural measures (e.g. acrylic glass panels) or personal protective equipment (face masks) must be employed during personal contacts or in meeting areas with tables and chairs if minimum distancing cannot be maintained
- Exhibits, display cases, counters, displays, screens etc. should be located at least

## Cover New Ground! DOMOTEX 2021: A change of perspective and a new angle on floor coverings

Ms. Anna Gerhard, Marketing & Communication

Innovative techniques for the skilled trades, modern approaches to retailing, new inspiration for commercial contracting, plus exciting new materials and forward-looking trends – all of this and, above all, a change of perspective will be in the spotlight at the next DOMOTEX, running from 15 to 18 January 2021 in Hannover, Germany.

New challenges, new orientation, the new normal: Now, more than ever, society and the economy are being called upon to rethink every facet of life. Every crisis brings forth its own opportunity – the opportunity to discover and travel down new paths. The makers of DOMOTEX have taken up this challenge.

With the new Keynote theme of “Cover New Ground!”, their aim is to motivate people to go beyond previous strategies, visions and experiences in flooring design

and applications and look to the future. “We need new perspectives, and DOMOTEX 2021 is dedicated to providing incentives for our industry,” reports Sonia Wedell-Castellano, Global Director of DOMOTEX. “The Global Flooring Alliance, i.e. the association of international flooring wholesalers, has reported a positive run in the first quarter of 2020, despite the corona crisis.

Some exhibitors have even reported generating unexpected growth as a result of an acceleration of public projects. And so we, too, are optimistic in these challenging times and will ensure that in January 2021 we can offer the flooring industry a first-class platform and a clearly perceptible upswing for their businesses.

Of course, we also guarantee the safety of our guests by implementing the hygiene and

distance concepts specified by the Robert Koch Institute.”

### Where else, if not at the world's leading trade show for floor coverings?

A highly international scope and a high-caliber audience are the key features of DOMOTEX. In January 2020, some 35,000 visitors, 70% of them coming from abroad, attended DOMOTEX for information and ordering purposes. Decision-makers accounted for some 90% of all attendees, taking in the products and services of 1,400 exhibitors from more than 60 nations.

Figures like these underscore the status of this world-leading trade fair as a global marketplace for the industry, where not only new contacts are made, but concrete business deals are sealed. “We are going to widen these benefits,” declares Wedell-Castellano. “By

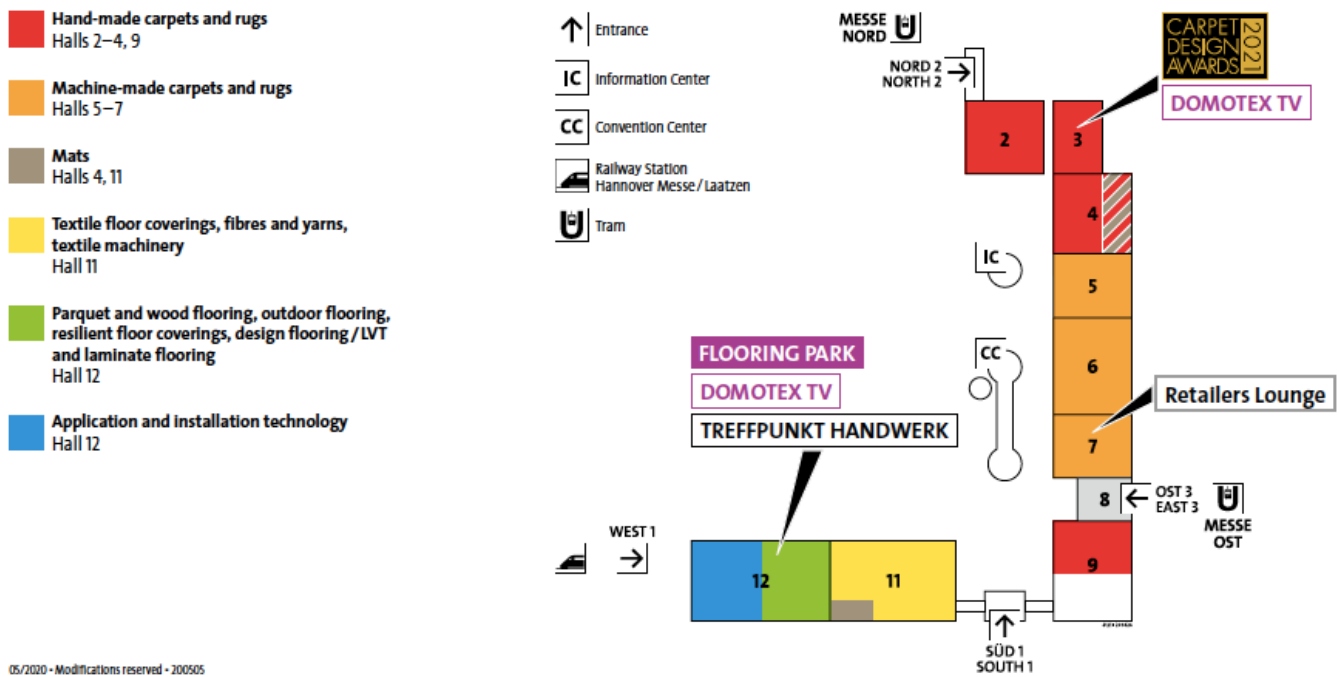


Email: [info@gmoehling.com](mailto:info@gmoehling.com)  
[www.gmoehling.com](http://www.gmoehling.com)

**GMÖHLING Transportgeräte GmbH**  
Stadelner Hauptstr. 34 • D-90765 Fürth  
Tel.: +49 911 - 7669-0



## DOMOTEX ▪ 15 – 18 January 2021



swiftly reacting to the needs of our exhibitors and visitors, we are taking special efforts to ensure that a trip to the fair becomes even more efficient and attractive than it already is. Our strategy is to continue to discuss with as many players as possible about the contribution we can make to the success of our stakeholders through agenda-setting, storytelling, special platforms and additional offerings. Initial roundtable discussions with exhibitors and associations have taken place in recent weeks and months, with more in the planning.”

### Highlights and business hubs in every display sector – free participation options for exhibitors

Already at DOMOTEX 2020, the previous close dialogue with industry players led to a change in exhibition layout: The various product categories were brought together even more systematically to provide tradeshow attendees with the best possible market overview. And this process will continue at DOMOTEX 2021, where the individual product categories will have their own creative hotspots under the motto “Cover New Ground!” At these

so-called “Flooring Parks”, the display sectors of Carpets, Fibers & Yarns in Hall 11 as well as Resilient Flooring & Design Flooring, Parquet & Laminate Flooring and Application & Installation Technology in Hall 12 will each have their own stage, with product highlights staged in concrete interior applications and functioning as trend shows. In keeping with the lead theme of the fair, these inspiring interiors will present an optimistic, forward-looking angle on floor coverings. Exhibitors who wish to show their products in exactly this context can submit their interior



Headquarter  
Pailung Machinery Mill Co., Ltd.  
No. 8, Ding Ping Rd., Ruei-Fang  
Industrial Park, Ruei-Fang District,  
New Taipei City, Taiwan.

Email: [sales@pailung.com.tw](mailto:sales@pailung.com.tw)  
Phone: 886-2-2497-8888  
Fax: 886-2-2496-5666

designs and receive their own free area, thus making themselves visible as industry pacesetters in keeping with the motto "Cover New Ground!" These "Flooring Parks" however will not only serve as a source of inspiration for interior decorators and trend-oriented visitors, but will also provide retailers with an incentive for their own unusual product displays. As a measure derived from the previous "Framing Trends" special show, they bring together inspiration and business requirements even more strongly. Amidst all these special areas, DOMOTEX offers its exhibitors exclusive business hubs: In hosted communication zones, manufacturers and customers can withdraw to a relaxing environment and conclude business deals. As a special highlight for the hand-made carpets, the "Carpet Design Awards" will again be presented

in Hall 3 in 2021 and the best nominations and winners will be shown in a special exhibition. In addition, the accompanying forum program with exciting topics related to the precious items will be expanded to three days at the fair.

### Changes to site plan: Shorter distances between halls

With the decentralization of the "Framing Trends" into the display category-focused "Flooring Parks" in the respective halls, the southern halls are moving northwards and the western halls southwards – making walking distances shorter. The new site plan, which is adapted to the needs, helps attendees navigate their way around the exhibition grounds even more quickly and conveniently. "We will also continue to maintain our informative, high-caliber

event program with our Speakers Corner, Guided Tours and award ceremonies. These are so much appreciated by the community and will now also take place in their respective market environment, i.e. Halls 3, 11 and 12. With well-known speakers and guides, we can guarantee we'll be catering to all the special needs and requirements of the various target groups," says Wedell-Castellano. "For invited guests at our Retailer's Club, for example, we are opening an ample-sized lounge in Hall 7, which will serve as a central meeting point for all retailing delegations. We are working at full speed to smooth out all the details and provide our customers with all the relevant information as soon as possible." Under the motto of "Cover New Ground!" DOMOTEX 2021 will run from 15 to 18 January 2021 in Hannover.

## VDMA TFL supports postponement of Texcare International by one year to 2021 (Elgar Straub)

**Munich, 26 May 2020** The leading international trade fair Texcare International is being postponed to 2021. "VDMA Textile Care, Fabric and Leather Technologies supports Messe Frankfurt's decision. In view of the current circumstances caused by the COVID-19 crisis, we consider it right to postpone Texcare

International to November 2021", says VDMA TFL Managing Director Elgar Straub. Due to worldwide travel restrictions and contact bans, it is evident that this year, considerably fewer exhibitors and visitors would have taken part in Texcare International in November. With this background and in view of

the considerable uncertainties for ongoing business in the entire worldwide textile care sector this year, the postponement is a wise decision.

Texcare International is the central meeting place for the worldwide textile care sector and only by postponing, it can once again live



**Sedo-Treepoint GmbH**  
Neuwies 1  
35794 Mengerskirchen  
Germany

Tel. +49 6476 31-0  
Fax +49 6476 31 31  
Email: [sedo@sedo-treepoint.com](mailto:sedo@sedo-treepoint.com)  
Web: [www.sedo-treepoint.com](http://www.sedo-treepoint.com)



up to its own standards as the leading international technology fair in autumn 2021.

### New impulse for the industry

The new date in November 2021 is then the eagerly awaited opportunity to provide new impulses for the industry after the COVID-19 crisis. The trade fair will then offer global technology

providers from the textile care sector the ideal platform to present their innovations to an international audience and to position themselves together with their customers for the challenges of the future after the COVID-19 crisis.

**VDMA TFL is conceptual sponsor of Texcare International**

Texcare International is the leading international trade fair for the laundry and dry-cleaning sector. From 27 November to 1 December 2021, international exhibitors in Frankfurt present trade visitors at Texcare International their latest machinery, plant, processes and services for laundry and dry-cleaning technology.

## Frankfurt exhibition grounds get back to business (Markus Quint)

Trade fairs, congresses and conventions with over 100 people can once again take place in Frankfurt with strict safety precautions in place.

As Hesse's Minister President Volker Bouffier put it: "Trade fairs are marketing and communication platforms for industry and trade. New contracts worth many billions of euros are concluded here, knowledge is shared here, and economic activity in our state is stimulated here. This is exactly what we need in the corona crisis."

Peter Feldmann, Mayor of Frankfurt am Main: "Our exhibition grounds are our city's calling card in every respect, and when events – such as our traditional Frankfurt Book Fair – resume here soon, that will increase sales for hotels, restaurants, bars, taxi companies

and many other businesses. These activities all generate tax revenues and – even more importantly – safeguard large numbers of jobs."

Messe Frankfurt is looking ahead with confidence. "Although it is still impossible to forecast what will happen with travel regulations and the conditions of travel, for example, we are very pleased that the 2020 Frankfurt Book Fair can take place. We believe that this decision sets a precedent for the event industry and for the economy as a whole," says Wolfgang Marzin, President and Chief Executive Officer of Messe Frankfurt. Fellow Executive Board member Uwe Behm, who is responsible for guest fairs and for the operation of the exhibition grounds, adds that: "Together with our medical advisers, in close cooperation with the Health Department of

the City of Frankfurt and with the support of the State of Hesse, we have developed a sophisticated safety and hygiene concept for holding trade fairs and congresses on the Messe Frankfurt exhibition grounds."

The Messe Frankfurt Executive Board has made it clear that ensuring the health and safety of all employees, exhibitors and visitors is its top priority. With an area of approx. 600,000 square metres – equivalent to 84 football pitches – the Frankfurt exhibition grounds offer the space necessary to accommodate large numbers of people while maintaining the required social distancing. Not only do trade fairs and congresses draw responsible individuals interested in doing business, but events also benefit from professional and proactive crowd and visitor management.



**Terrot GmbH**  
Paul-Grüner-Str. 72b  
09120 Chemnitz  
Germany

Phone: +49 (371) 5201 -0  
Fax: +49 (371) 5201 -200  
info@terrot.de





Furthermore, Messe Frankfurt's professional hygiene management system draws on expert medical advice, and its spacious, high-ceilinged exhibition halls are supplied with large volumes of fresh air. Air in the exhibition halls can be fully replaced by fresh air as frequently as five times per hour.

Safety measures also include the provision of protective equipment, such as face masks and disinfectants, and ensuring the availability of medical care and expert medical advice. Buildings will now be cleaned even more frequently, while employees, hosts and hostesses, lift operators, service and catering personnel will receive special training.

All event participants will be subjected to a comprehensive registration process, and visitor numbers will be limited. Tickets will be issued for particular dates and make use of specific time slots for admission. To avoid placing additional burdens on local public transport, visitors will be encouraged to travel to the event by car, with extensive parking and shuttle services available. Close contact will be further limited thanks to contactless access controls, electronic admission tickets and electronic payment. Aisles in the exhibition halls will be widened and one-way travel systems implemented to facilitate compliance with social distancing regulations. Behm is certain: "Our safety concept ensures that there

will not be any jostling or close quarters in Frankfurt's exhibition halls."

With its comprehensive range of safety measures that fully accounts for the coronavirus regulations instituted by the State of Hesse, Messe Frankfurt's safety and hygiene concept is more than sufficient for the current circumstances.

The situation continues to be volatile, and it is not possible to reliably forecast what the future might hold, so it goes without saying that Messe Frankfurt is prepared to work closely with the authorities to institute any additional measures, such as temperature screening at entrances, that might become necessary. This well-founded decision to hold trade fairs and congresses on the Messe Frankfurt exhibition grounds sends a promising signal for future face-to-face business encounters and successes and for opportunities to experience products live and in person.

**Messe Frankfurt France forgoes the September edition of Apparel Sourcing, Avantex, Leatherworld, Shawls & Scarves, Texworld and Texworld Denim Paris.**

The lack of information on health requirements from the authorities for the major international events planned for September, as well as possible travel restrictions for international visitors, calls for

caution.

"A survey conducted amongst loyal textile and clothing buyers indicates that most of them are not yet ready to travel. Serious consideration of all these issues and the lack of guarantees that this major event can be organised under good conditions has forced us to take this decision. A difficult decision, but one that is responsible to our visitors, exhibitors and partners," explains Frédéric Bougeard, President of Messe Frankfurt France.

Despite these exceptional circumstances, Messe Frankfurt's trade fairs continue to occupy a key position in the sourcing strategies of European buyers for textiles and clothing, leather, alternative materials and fashion accessories.

The team has already started working on various initiatives in preparation for the February 2021 edition. "Our major international partners have renewed their confidence in us by confirming their presence from February 1 to 4.

From September onwards, Messe Frankfurt France will be offering several digital solutions to connect suppliers to buyers and to showcase their know-how and production capacities, which are the strength and originality of Messe Frankfurt France trade fairs.

**Jeanologia**  
The Science of Finishing

**Edificio Jeanologia**  
Ronda Guglielmo Marconi 12  
Parque Tecnológico 46980  
Paterna - Valencia - Spain

Tel +34 96 136 91 90  
General: [info@jeanologia.com](mailto:info@jeanologia.com)  
Technical Support: [support@jeanologia.com](mailto:support@jeanologia.com)



# Cotton Council International Joins Sustainable Apparel Coalition

Cotton Council International (CCI) announces that it has joined the Sustainable Apparel Coalition (SAC) and will use the group's sustainability measurement suite of tools, the Higg Index, to drive environmental and social responsibility throughout its supply chain.

With its membership in the SAC, CCI joins more than 250 global brands, retailers, and manufacturers, as well as government, non-profit environmental organizations, and academic institutions, which are collectively committed to improving supply chain sustainability in the apparel, footwear, and textile industry.

The U.S. cotton industry is committed to continual improvement in sustainability and continues to build upon the strong environmental gains already achieved over the past 35 years.

"We are pleased to be joining the SAC, confident that together we can scale positive impact on product sustainability over time," said Steph Thiers-Ratliffe, CCI Director of European Brands and Retailers. "With shared ambition in providing robust environmental data to the sector, we will collaborate to enable greater



supply chain transparency and informed decision making."

In its relationship with the SAC, CCI will contribute both data and resources to support the Higg Index, which measures sustainability performance and drives supply chain transparency and decision-making to improve efficiency and sustainability impact. The Higg Index is an indicator-based suite of tools that enables suppliers, manufacturers, brands, and retailers to evaluate materials, products, facilities, and processes based on environmental performance, social labor practices, and product design choices. "We welcome the addition of CCI to the Sustainable Apparel Coalition and look forward to

its participation in this industry-wide effort in sustainability," SAC Executive Director Amina Razvi said. "Having CCI as part of the Coalition widens the scope of our impact within the industry and accelerates the change we're making towards responsible industry actions."

Companies or organizations that are not currently members of the SAC and are interested in accessing the Higg suite of tools, may inquire at <https://apparelcoalition.org/join-us/>.

## About Cotton Council International:

Cotton Council International (CCI) is a non-profit trade



**KARL MAYER**  
Textilmaschinenfabrik  
GmbH

Brühlstraße 25 63179 Obertshausen  
Tel.: +49 (0)6104 402-0 +49 (0)6104 402-600  
Email: [info@karlmayer.com](mailto:info@karlmayer.com)  
Web: [www.karlmayer.com](http://www.karlmayer.com)



association that promotes U.S. cotton fiber and manufactured cotton products around the globe with our COTTON USA™ Mark. Our reach extends to more than 50 countries through 20 offices around the world. With more than 60 years of experience, CCI's mission is to make U.S. cotton the preferred fiber for mills/manufacturers, brands/retailers and consumers, commanding a value-added premium that delivers profitability across the U.S. cotton industry and drives export growth of fiber, yarn and

other cotton products.

### About the Sustainable Apparel Coalition:

The Sustainable Apparel Coalition (SAC) is an industry-wide group of more than 250 leading apparel, footwear, and textile, brands, retailers, suppliers, service providers, trade associations, nonprofits/NGOs, and academic institutions working to reduce the environmental and social impacts of products around the world. Through multi-stakeholder engagement, the SAC seeks to

lead the industry toward a shared vision of sustainability built upon a common approach for measuring and evaluating apparel, footwear, and textile product sustainability performance that spotlights priorities for action and opportunities for technological innovation. The SAC was incorporated as a 501(c)(6) nonprofit organization and launched the groundbreaking Higg Index suite of tools in 2011. For more information, visit [apparelcoalition.org](http://apparelcoalition.org).



**BRÜCKNER Trockentechnik  
GmbH & Co. KG**  
Benzstrasse 8-10 / PO Box 11 54  
71229 Leonberg / 71201 Leonberg

Phone: +49 7152 12 0  
Fax: +49 7152 12 9254  
E-Mail: [mail@brueckner-textile.com](mailto:mail@brueckner-textile.com)





# KHANTEX International

*The Art of Textiles*

House 1183, Street 1, Sector G-9/2  
Islamabad

Tel: +92-51-2855125

Cell: +92-300-9766099,

+92-313-5558866


Email: khantexintl@gmail.com

Software · Automation  
Dosing machines and  
color kitchens · Accessories

# EAS

Invent the future



 Your improvement,  
our challenge

## Headquarters

c/Hondures, 48-52  
08027 Barcelona  
T (+34) 93 408 38 09  
F (+34) 93 408 40 23  
eas@escarre.com

## Brasil

Daniel Imhof, 12 (Sala 02)  
Bairro São Pedro  
88351-160 Brusque SC  
T (+55) 47 3355 5155  
tecnoeas@escarre.com

## Perú

Av. Paseo de La República 2300  
Block A Dpto.201  
San Eugenio Lince · Lima  
T (+511) 987760750  
eas-peru@escarre.com

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

# Invista inaugurates 400,000-ton/year ADN Plant in Shanghai

Invista Nylon Chemicals (China) held a ceremony to inaugurate the construction on its 400,000-ton/year adiponitrile (ADN) plant at the Shanghai Chemical Industry Park (SCIP).

The more than seven billion RMB (more than \$1 billion) investment will help meet the growing demand for nylon 6,6 chemical intermediates in China and the Asia Pacific region.

Wu Qing, the member of the standing committee of Shanghai municipal committee and vice mayor of Shanghai municipal government, congratulated Invista to reach this stage of development of the ADN project, and stated that Shanghai municipal government would continue to support the project and look forward to 2022 when the ADN facility would come into use.

The plant will deploy Invista's most-advanced, energy-efficient ADN technology in China to satisfy the strong, local demand for ADN, an intermediate ingredient used in the production of nylon 6,6. When complete, the new ADN plant will integrate with Invista's existing HMD and polymer facilities to directly supply domestic customers with the key

building blocks to produce nylon 6,6 and other high-value products in China and throughout the Asia Pacific region.

These products are used for the automobile industry, electrical, and electronic industry and many other consumer and industrial applications, contributing to the overall quality of life by enabling lightweight, heat-resistant, and durable designs.

In addition, this ADN project will also help to cultivate local talents, bring more employment opportunities, and promote the development of relevant collaborative industries, to further enhance the economic strength of the local community.

"With support from all parties, Invista has successfully initiated the construction of ADN facility within ten months. The ADN project enriches the value chain of SCIP while accelerating the industrial upgrade of Shanghai chemical industry.

SCIP will provide continuous services to ensure that the project will be completed as soon as possible, and the production will be started as soon as possible, to yield tangible benefits for the market,"

Ma Jing, director general of Shanghai Chemical Industry Park administrative committee said.

"The growing demand for high-quality nylon products in China and the Asia-Pacific region, and the continued optimisation of the business environment in Shanghai have given us the confidence to continue investment here," Gentry, Invista chairman and CEO said.

"We truly appreciate all the support from the government, our trusted partners and customers throughout the process, which has led to today's important start of construction, and we are proud to say we are well on track to start ADN production in 2022.

Once the ADN plant is completed, Shanghai will be home to the largest integrated nylon production facility in the world, from ADN through to high-performance polymers," Redinger, vice president, Invista Nylon Intermediates Asia Pacific said.



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



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



Because advertising matters...

**Textile Times<sup>®</sup>** TMI



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

# Sustainable Cotton Challenge to hike organic cotton uptake



US-based global non-profit Textile Exchange recently released the 2025 Sustainable Cotton Challenge report. The purpose of the 2025 Challenge is to raise the uptake of organic and preferred cotton, which can increase smallholder farmers' income, eliminate hazardous pesticides, reduce the use of water, pesticides and synthetic fertilizers, and improve water quality and soil health.

The Challenge was formed in 2017 when His Royal Highness The Prince of Wales convened a group of chief executive officers (CEOs) through the work of his International Sustainability Unit that existed to address critical challenges facing the world. Those original 13 CEOs

committed to working together to accelerate the use of sustainable cotton, which paved the way for other industry leaders to follow, resulting in 82 companies now committed to sourcing 100 per cent sustainable cotton by 2025.

The Challenge serves as a cornerstone for change in the apparel and textile industry by encouraging brands and retailers to commit to source cent per cent of their cotton from the most sustainable sources by 2025, a press release from Textile Exchange said. Today, 22 per cent of the world's cotton is more sustainable. By 2025, it is the vision of the 2025 Challenge that more than 50 per cent of the world's cotton is converted to more

sustainable growing methods.

One of the key focuses going forward will be to drive continuous improvement across the initiatives with a focus on best practices for soils. Implementing regenerative practices, which puts carbon back into the soil, is a key investment farmers can make to mitigate and reduce the climate crisis, the non-profit said.

Of the 82 signatories of the 2025 Challenge, 73 participated in the 2019 Corporate Fibre and Materials Benchmark programme to report on their progress towards their goal of 100 per cent cotton being sourced from the approved initiatives by 2025. While 27.5 per cent signatories of the 2025 Challenge has achieved their 2025 target of 100 per cent preferred cotton usage, all of which are organic, the same percentage has achieved a preferred cotton share of between 75 per cent and 99 per cent.

A quarter has achieved a preferred cotton share of between 50-74 per cent, while 15 per cent has achieved a preferred cotton share of in the range 25-49 per cent.



# More African nations choosing GM cotton: Textile Exchange



According to a new Textile Exchange Pan-Africa Sourcing Working Group white paper, 'Cotton in Africa: Sustainability at a Crossroads', an increasing number of countries in Africa are choosing to adopt genetically modified (GM) cotton, defined as cotton that has had its genetic material (DNA) altered in a manner that does not occur naturally.

While seven out of its 54 African countries permit GM cotton production, four have opted out. Many other countries are in the consideration phase. Noting the global sustainable textile cotton

industry's increasing demand for organic and GM-free preferred cotton, and given concerns about the environmental and economic ramifications of GM cotton, the Working Group of Textile Exchange has urged policymakers in Africa to support preferred cotton production standards which prohibit genetic modification such as organic, Fairtrade, and Cotton made in Africa (CmiA). The white paper outlines the risks of scaling GM cotton in Africa and the opportunities of organic and GM-free preferred cotton standards.

The use of GM cotton was slow to start on the continent, with South

Africa being the first country to permit its use in 1997, followed by Burkina Faso 11 years later in 2008 (Burkina Faso has since suspended its approval) and Eswatini and Sudan in 2012. However, in 2018 alone, another four countries – Nigeria, Ethiopia, Kenya, and Malawi – approved the use of GM cotton and Eswatini started growing the crop. In 2020, Kenya planted GM cotton for the first time commercially. In Africa, Algeria, Burkina Faso, Egypt, and Madagascar prohibited or have opted out of genetic modification in general, or GM cotton specifically.



**Tonello S.r.l.**  
via della Fisica 1/3  
Sarcedo (VI) - 36030 - Italy

Tel: +39 0445 343200  
Fax: +39 0445 380166  
Web: [tonello@tonello.com](mailto:tonello@tonello.com)



“With relatively little penetration of GM cotton, African countries have an opportunity to learn from other countries’ experiences of GM technology and weigh the pros and cons,” said Liesl Truscott, Textile Exchange director of European and Materials Strategy and coordinator of the Working Group. “Demand for organic and other non-GM cotton continues to increase and, keeping in mind the genetic biodiversity and resilience that local seed varieties can offer, we hope this report creates food for thought for decision-makers at all levels. In the journey toward regenerative organic fiber production, it is vital for countries to allow for GM-free cotton initiatives based on organic practices and the precautionary principle to flourish.”

Prama Bhardwaj, CEO and founder of Mantis World and Chair of the Pan-Africa Sourcing Working Group, has urged African cotton producers to “choose to grow organic cotton which can be integrated into the growing African sustainable textile supply chain or used by manufacturers in Europe and the Middle East”, all of which are striving to meet United Nations Sustainable Development Goals addressing responsible production as well as industry commitments.

According to Textile Exchange’s 2019 Organic Cotton Market Report, global production of organic cotton saw impressive growth between 2016/17 and 2017/18, increasing 56 per cent to 180,971 metric tonnes (831,193

bales). Africa accounted for approximately four per cent of global organic cotton production in 2017/18, experiencing a 20 per cent increase over 2016/17.

Approximately 37,000 farmers in eight countries grow organic cotton; Tanzania is by far the largest organic cotton producing country on the continent, followed (in order of volume) by Uganda, Benin, Burkina Faso, Mali, Egypt, Ethiopia, and Senegal.

Several Working Group brands source organic cotton from Africa, including Cotonea, Mantis World, and Mayamiko.

“Africa is at a crossroads,” says La Rhea Pepper, Textile Exchange Managing Director. “It is key for governments, farmers, and other stakeholders to recognize the importance of protecting the right of farmers to grow non-GM crops. Organic agriculture is a proven system for sequestering carbon, building soil health and biodiversity, and increasing food security. Introducing GM agriculture requires the implementation of stringent biosafety regulations as well as investment in non-GM seed and training to ensure coexistence with organic agriculture.”

Textile Exchange’s Pan-Africa Cotton Sourcing Working Group will continue to track policy addressing genetic modification in Africa and advocate for organic and non-GM preferred cotton production standards. Textile

Exchange views regenerative organic cotton production systems operating under fairtrade principles as the gold standard.

“This white paper is extremely important to promote organic cotton production in African countries. Over the last 25 years, as BioRe Foundation has been working in both Tanzania and India, we have observed the devastating negative impacts of GM-cotton production in countries like India, where the coexistence of organic cotton and GM-cotton is extremely difficult to maintain.

While seed is a single factor only, organic agriculture is a holistic approach for healthy soils, balanced pest control, and reliable market access, providing sustainable livelihoods for smallholder farmers,” said Christa Suter, CEO, BioRe Foundation.

“As a manufacturer of GOTS-certified organic fabrics, Cotonea/Elmer + Zweifel has supported organic cotton production by the Gulu Agricultural Development Company (GADC) in Uganda since 2009.

In this poor region wracked by years of civil war, Cotonea/Elmer + Zweifel has helped expand organic production for 12,500 farmers over the years by providing a reliable, transparent, and high-quality value chain linking the farmers with our manufacturing facilities in Germany, Czech Republic, and Switzerland and brands throughout Europe,” said Roland Stelzer,

managing partner, Cotonea/Elmer + Zweifel.

“GM cotton is hardly compatible with agroecologic production and, if done in coexistence with organic cotton, reduces income chances for small-scale farmers due to contamination problems.

This white paper sharpens the eyes of the critical readers and explains why preferred cotton, including organic, is the better choice,” said Gian Nicolay, Africa coordinator and policy and sector development co-lead, FiBL, Research Institute of Organic Agriculture.

“As a B2B supplier of organic apparel, we understand both the brand and supplier needs for the transparent, traceable, and non-GM organic cotton supply chain we have been privileged to have for years in Africa.

This paper clearly sets out the opportunities and risks facing African agricultural policymakers as brands look to create more diversified sustainable supply chains post-Covid-19.

Africa is at a crossroads when it comes to deciding whether or not to expand GM cotton use; we hope it will choose to turn in the direction of preferred cotton,” said Bhardwaj. “Pan-UK and its partners have demonstrated that, with good quality training, organic cotton production can enable smallholder farmers to achieve at least as good financial returns as conventional cotton

while also protecting their health and vital ecosystem services,” said Dr. Sheila Willis, head of international programmes, Pesticide Action Network - UK.

“Many African nations recognize the far-reaching benefits of supporting organic agriculture for the health of their citizens and the long-term viability of their agricultural sector. GM cotton is an expensive distraction at a time when we need to act fast to tackle the climate crisis and protect the livelihoods of those who are most vulnerable to its effects.

This important white paper sets out the situation across the continent and makes a clear case for supporting organic and other non-GM cotton. Coupled with the soaring demand from consumers and brands in the West, now is the time to invest in and promote African organic cotton,” said Sarah Compson, international development manager, Soil Association.

The members of the Textile Exchange Pan-Africa Cotton Sourcing Working Group that contributed to the white paper include Aid by Trade Foundation, Bradan Consulting, BioRe Foundation, Cotonea/Elmer + Zweifel, Ecos, Fairtrade Foundation, FiBL (Research Institute of Organic Agriculture), GIZ, Mantis World, Mayamiko, Organic Cotton Accelerator, Pesticide Action Network-UK, Soil Association, and Textile

Exchange.

Textile Exchange is a global nonprofit that creates leaders in the sustainable fiber and materials industry. The organization develops, manages, and promotes a suite of leading industry standards and collects and publishes vital industry data and insights that enable brands and retailers to measure, manage, and track their use of preferred fiber and materials.

With a membership that represents leading brands, retailers, and suppliers, Textile Exchange has for years been positively impacting climate through accelerating the use of preferred fibres across the global textile industry and is now making it an imperative goal through its 2030 Strategy: Climate+.

Under the Climate+ strategic direction, Textile Exchange will be the driving force for urgent climate action with a goal of 35-45 per cent reduced CO2 emissions from textile fibre and material production by 2030.



www.textiletimes.com

**itema**

Itema S.p.A.  
Via Cav. Gianni Radici 4  
24020 Colzate (BG), Italy

Tel +39 035 728 2111  
Fax +39 035 740 505  
www.itemagroup.com



# Cotton Australia unveils 2019 sustainability report



Cotton Australia has released Australian cotton industry's second five-year sustainability report, according to which, producing a bale of cotton takes 48 per cent less water, 34 per cent less land, and 97 per cent less insecticides than in 1992. By comparing sustainability areas from 2014 to 2019, the report highlights areas to be improved. Using data in the report as a baseline, growers and other stakeholders will now be consulted in coming months on sustainability targets the industry should aim for in the next five to 10 years. "The report is an important step towards the industry's aim of being a global leader in sustainable

cotton production. Australian cotton growers have been quietly improving their sustainability for decades and should take a moment to celebrate the industry's collective achievements that are shown in the report.

Having said that, the report also highlights areas the industry can do better in, such as the need to make greater efforts to reduce carbon emissions, improve nitrogen use efficiency, increase on-farm carbon sequestration in soil and native vegetation, and improve farm safety," Cotton Australia CEO Adam Kay said in a press release. "The industry will now use report

data to set five-year targets for 2024 and 2029, and plans to achieve those targets. To be a global leader in sustainable cotton production, we need to set bold targets, ensure our research and adoption program can get us to those targets, and frequently and transparently share progress with stakeholders. We will be consulting with growers and other stakeholders inside and outside the industry on setting the right level of ambition in our sustainability targets.

The industry can point to long-term trends of significant improvement in areas it has focused on in the past, and we will draw on this experience to transform our performance in other areas in the future," Cotton Research and Development Corporation general manager, R&D investment, Allan Williams.

The 2019 Australian cotton sustainability report is part of the industry's new PLANET. PEOPLE. Paddock. sustainability framework, which guides the industry to set ambitious targets, coordinate a whole-of-industry strategy to achieve these targets, and engage effectively with stakeholders on actions and progress.

# SAURER.

SAURER AG

Bleikenstrasse 11, 9630 Wattwil, Schweiz

Email: [info@saurer.com](mailto:info@saurer.com)

# Cotton contamination level up from 2016: ITMF survey

The level of contamination of raw cotton by foreign matters and the appearance of seed-coat fragments have increased compared with 2016, according to ITMF's Cotton Contamination Survey 2019. Also, the level of stickiness has fallen slightly to the lowest level. There are also differences between cotton varieties when it comes to the level of contamination.

These are the main conclusions to be drawn from the Cotton Contamination Survey 2019 which has just been released by the International Textile Manufacturers Federation (ITMF). The 15th edition covers 128 spinning mills located in 25 countries which evaluated 81 different cotton growths, according to a press release by ITMF.

The level of cottons moderately or seriously contaminated as perceived by the spinning mills from around the world grew from 23 per cent in 2016 to 26 per cent in 2019. A closer look at the extent of the contamination shows that 7 per cent (2016: 7 per cent) of all cotton evaluated were seriously contaminated by some sort of foreign matter whereas 18 per cent (2016: 18

per cent) were only moderately contaminated. As the summary data are arithmetic averages of the different contaminants, the extent of contamination is fully illustrated by the results for the individual contaminants.

They range from 6 per cent all cottons processed being moderately or seriously contaminated by tar to 55 per cent of them being moderately or seriously contaminated by organic matter, that is leaves, feathers, paper, leather, etc. Other serious contaminants are strings made of plastic film (39 per cent), fabrics made of plastic film (39 per cent), strings made of woven plastic (36 per cent) as well as fabrics made of woven plastic (31 per cent).

The most contaminated cotton descriptions considered for the survey originated in India (MCU-5, J-34, India- Others, DCH), Pakistan (NAIB, Pakistan Others, MNH93), Tajikistan (Medium Staples) and Mozambique.

In contrast, very clean raw cottons were produced in Australia, the USA, (Memphis Territory, California, Pima, South Eastern, Texas H. Plains and Arizona), Argentina, Brazil, and Spain.

The presence of sticky cotton as perceived by the spinning mills is close to constant (that is, 16 per cent in 2016 versus 15.7 per cent in 2019) and remains at the lowest level since 1989. Descriptions that were affected most by stickiness were those from Sudan, the USA (Pima, USA-Others, Memphis Territory, Texas H. Plains, California, South Eastern), Mexico (Juarez) and Turkey (Turkey – Others).

On the other end of the range, cottons from South Africa, Tanzania (Mwanza, Coastal), China (Shandong, Xinjiang), Mozambique, Chad, and Pakistan (MNH93, Pakistan – Others, NAIB) were not or hardly affected by stickiness. With regard to seed-coat fragments, the Cotton Contamination Survey 2019 shows that their appearance in cotton growths remains an issue for spinners around the world. 3

4 per cent of all cotton growths consumed contained moderate or significant amounts of seed-coat fragments, a slight increase since 2016 (32 per cent).

The origins affected most by seed-coat fragments are those from Turkey (Turkey – Others, Cukurova / S.E.), India (India-



SSM Schärer Schweiter Mettler AG  
Neugasse 10  
8810 Horgen  
Switzerland

T: +41 44 718 33 11  
F: +41 44 718 34 51  
info@ssm.ch  
www.ssm.ch

Others, J-34, MCU-5), Sudan (Sudan – Others), and Pakistan (MNH93, Pakistan - Others). Countries for which the existence

of seed-coat fragments were negligible included those from Tanzania (Coastal, Mwanza), India (Shankar-4/6), Australia, the

USA (California, Pima, Memphis Territory, USA – Others, Texas H. Plains).

## CCI joins Sustainable Apparel Coalition

Cotton Council International (CCI) has joined Sustainable Apparel Coalition (SAC) and will use the group's sustainability measurement suite of tools, the Higg Index, to drive environmental and social responsibility throughout its supply chain. CCI is a non-profit trade association that promotes US cotton fibre and manufactured cotton products around the globe.

With its membership in SAC, CCI joins more than 250 global brands, retailers, and manufacturers, as well as government, non-profit environmental organizations, and academic institutions, which are collectively committed to improving supply chain sustainability in the apparel, footwear, and textile industry.

The US cotton industry is committed to continual improvement in sustainability and continues to build upon the strong environmental gains already achieved over the past 35 years.

"We are pleased to be joining the SAC, confident that together we can scale positive impact on product sustainability over time,"

said Steph Thiers-Ratcliffe, CCI director of European Brands and Retailers. "With shared ambition in providing robust environmental data to the sector, we will collaborate to enable greater supply chain transparency and informed decision making."

In its relationship with the SAC, CCI will contribute both data and resources to support the Higg Index, which measures sustainability performance and drives supply chain transparency and decision-making to improve efficiency and sustainability impact.

The Higg Index is an indicator-based suite of tools that enables suppliers, manufacturers, brands, and retailers to evaluate materials, products, facilities, and processes based on environmental performance, social labour practices, and product design choices.

"We welcome the addition of CCI to the Sustainable Apparel Coalition and look forward to its participation in this industry-wide effort in sustainability," SAC executive director Amina

Razvi said. "Having CCI as part of the Coalition widens the scope of our impact within the industry and accelerates the change we're making towards responsible industry actions."

SAC is an industry-wide group of more than 250 leading apparel, footwear, and textile brands, retailers, suppliers, service providers, trade associations, nonprofits/NGOs, and academic institutions working to reduce the environmental and social impacts of products around the world.

Through multi-stakeholder engagement, the SAC seeks to lead the industry toward a shared vision of sustainability built upon a common approach for measuring and evaluating apparel, footwear, and textile product sustainability performance that spotlights priorities for action and opportunities for technological innovation. The SAC was incorporated as a 501(c)(6) nonprofit organization and launched the groundbreaking Higg Index suite of tools in 2011.



## IFC and IDB Invest co-lead a USD 1.1 billion financing to LD Celulose to promote growth and strengthen competitiveness of the Brazilian pulp industry

São Paulo – IFC, a member of the World Bank Group, and IDB Invest, a member of the IDB Group, are co-leading a USD 1.1 billion financing to LD Celulose S.A., a joint venture between Lenzing AG and Duratex S.A., to build one of the largest dissolving wood pulp plants in the world, in Minas Gerais State, Brazil. The export credit agency Finnvera and seven commercial banks are participating in the financing. The investment will strengthen the competitiveness of Brazil's pulp industry, create jobs, and support the country's efforts towards climate change mitigation. The financing co-led by IFC and IDB Invest will support LD Celulose's investment program for 2020-2022, which consists of the construction of a dissolving wood pulp (DWP) mill and the installation of a cogeneration plant with a capacity of 144 megawatts. As part of the project, LD Celulose will also sustainably plant and manage approximately 70,000 hectares of eucalyptus plantations. The plant will operate among the highest productive and energy-efficient in the world and will feed the 40 percent of excess bioelectricity generated on site as green energy into the public grid. DWP is the main raw material used

to produce wood-based textile fibers, a biodegradable and more environmentally friendly fiber alternative. The end-products of DWP include textiles and hygiene products, among others. Once operational in 2022, LD Celulose will have capacity to produce up to 500,000 tons of DWP per annum.

Brazil is one of the most competitive pulp producing countries in the world, due mainly to its availability of high-quality land, favorable soil and climatic conditions, and high forest productivity. The forestry sector plays an important economic and developmental role in the country, employing about 350,000 people, mainly in rural areas, and accounting for 4.2 percent of the country's exports.

This investment will help strengthen the competitiveness of the pulp industry in Brazil and support job creation. In addition, LD Celulose's cogeneration plant will contribute to an increase in the share of sustainable biofuels

and renewable energy in the country's energy mix, enhancing diversification and contributing to the country's effort to mitigate climate change. The financing

will also increase sustainability standards for the pulp industry and the plantation forestry sector through LD Celulose's adoption of IFC's Environmental and Social Performance Standards.

The USD 1.1 billion loan package is comprised of three parts: (i) a USD 500 million financing package arranged by IFC; (ii) a USD 500 million financing arranged by IDB Invest; and (iii) a USD 147 million, 13-year door-to-door loan from financial institutions backed by the Finnish export credit agency Finnvera.

The IFC arranged financing includes: (i) a USD 200 million, 11-year loan for IFC's own account; (ii) a USD 50 million, 11-year loan through the IFC Managed Co-Lending Portfolio Program (MCP), a platform that allows institutional investors to participate in IFC's loan portfolio; and (iii) a USD 250 million, 9-year loan syndicated to international commercial banks. Similarly, the facility arranged by IDB Invest includes: (i) a USD 200 million, 11-year loan for IDB Invest's own account; (ii) a USD 50 million, 11-year loan through IDB Invest's administered China Co-financing Fund for Latin America and the Caribbean; and



Lyssachstrasse 95, 3401 Burgdorf Switzerland  
Tel: +41 (0) 34 427 16 16  
Email: info@sanitized.com



(iii) a USD 250 million 9-year loan syndicated to international commercial banks. Participating banks in the combined USD 500 million syndicated portion jointly arranged by IFC and IDB Invest are: Banco Santander, BNP Paribas, Commerzbank Aktiengesellschaft (Filiale Luxemburg), Erste Group Bank AG, HSBC Bank plc, KfW IPEX-Bank GmbH, and Raiffeisen Bank International AG. The Lenzing Group is a world market leader for wood-based cellulosic fibers, and Duratex is the largest producer of industrialized wood panels in the southern hemisphere. The LD Celulose joint venture, created in 2019, is owned 51 percent by Lenzing and 49 percent by Duratex.

### About LD Celulose

LD Celulose S.A. is a joint venture between the Austrian Lenzing and the Brazilian Duratex, formed to set up one of the largest soluble cellulose plants in the world. With an investment of R \$ 5.2 billion, the plant is being erected in the Triângulo Mineiro, between the municipalities of Indianópolis and Araguari and, when operational in 2022, it will produce 500 thousand tons of soluble cellulose per year. The special cellulose fibers produced in LD will be used in the textile industry, generating fabrics with innovation, sustainability and high technology. When the plant starts operating, it will generate around 1,100 direct jobs, boosting the social and economic

development of the entire region.

### About Lenzing

The Lenzing Group stands for ecologically responsible production of specialty fibers made from the renewable raw material wood. As an innovation leader, Lenzing is a partner of global textile and nonwoven manufacturers and drives many new technological developments. The Lenzing Group's high-quality fibers form the basis for a variety of textile applications ranging from elegant ladies clothing to versatile denims and high-performance sports clothing. Due to their consistent high quality, their biodegradability and compostability Lenzing fibers are also highly suitable for hygiene products and agricultural applications. The business model of the Lenzing Group goes far beyond that of a traditional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for the efficient utilization and processing of all raw materials and offers solutions to help redirect the textile sector towards a closed-loop economy.

### About Duratex

Duratex S.A. is a Brazilian private and publicly traded company controlled by Itaúsa-Investimentos Itaú S.A. - and Companhia Ligna de Investimentos. Owning the

brands Deca, Hydra, Duratex, Durafloor, Ceusa, and Portinari, it is considered one of the top-10 world largest companies in the markets in which it operates and the largest producer of industrialized wood panels, tiles, ceramic sanitary ware and bathroom accessories in the Southern Hemisphere, in addition of being one of the largest ceramic tile producers in Brazil. With head offices located in São Paulo, the company has 21 industrial and forestry units strategically positioned throughout Brazil (in the States of Minas Gerais, Paraíba, Pernambuco, Rio Grande do Sul, Rio de Janeiro, Santa Catarina, Sergipe and São Paulo), as well as three wood panel factories in Colombia (Duratex Colombia). Duratex also owns LD Celulose through a joint-venture with the Lenzing Group and Caetex, a company created to manage eucalyptus forests in the State of Alagoas. Duratex shares are listed on Novo Mercado (the highest standard of Corporate Governance) and in the 2019/2020 version of B3 - ISE.

### About IFC

IFC—a sister organization of the World Bank and member of the World Bank Group—is the largest global development institution focused on the private sector in emerging markets. We work in more than 100 countries, using our capital, expertise, and influence to create markets and opportunities in developing



Loepfe Brothers Ltd.  
CH-8623 Wetzikon/Switzerland  
P.O. Box 582

Phone +41 43 488 11 11  
Fax, +41 43 488 11 03  
E-mail: [info@loepfe.com](mailto:info@loepfe.com)  
<http://www.loepfe.com>

countries. In fiscal year 2019, we invested more than USD 19 billion in private companies and financial institutions in developing countries, leveraging the power of the private sector to end extreme poverty and boost shared prosperity. For more information, visit [www.ifc.org](http://www.ifc.org).

### About IDB Invest

IDB Invest, a member of the IDB Group, is a multilateral development bank committed to promoting the economic development of its member countries in Latin America and the Caribbean through the private sector. IDB Invest finances sustainable companies and projects to achieve financial results and maximize economic, social and environmental development in the region. With a portfolio of USD 12.1 billion in asset management and 333 clients in 24 countries, IDB Invest provides innovative financial solutions and advisory services that meet the needs of its clients in a variety of industries. More information at <https://idbinvest.org/en>.

Finnvera provides financing for the start, growth and internationalization of enterprises, and guarantees against risks arising from exports. Finnvera strengthens the operating potential and competitiveness of Finnish enterprises by offering loans, guarantees and other services associated with the financing of exports and shares risks included

in financing with other providers of financing. Finnvera is a specialized financing company owned by the State of Finland and it is the official Export Credit Agency (ECA) of Finland. Our vision is: Our clients' success strengthens the Finnish economy. <http://www.finnvera.fi/eng>.

### About the Lenzing Group

The Lenzing Group stands for ecologically responsible production of specialty fibers made from the renewable raw material wood. As an innovation leader, Lenzing is a partner of global textile and nonwoven manufacturers and drives many new technological developments.

The Lenzing Group's high-quality fibers form the basis for a variety of textile applications ranging from elegant ladies clothing to versatile denims and high-performance sports clothing. Due to their consistent high

quality, their biodegradability and compostability Lenzing fibers are also highly suitable for hygiene products and agricultural applications.

The business model of the Lenzing Group goes far beyond that of a traditional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for the efficient utilization and processing of all raw materials and offers solutions to help redirect the textile sector towards a closed-loop economy.

## Indorama Ventures PCL sets up special fund to support local projects

Thailand concern Indorama



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



Because advertising matters...

**Textile Times<sup>®</sup>** TMI



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



Ventures PCL (IVL), Trevira's parent company, has pledged to provide financial support to selected charities during the Covid-19 pandemic through a special appeal fund. The money is to be allocated to local projects helping people and organisations facing especial hardship due to the coronavirus crisis. During this challenging time, Indorama wants to increase its support for

social initiatives, especially in those regions and communities where its companies are based. This includes projects in Guben (Brandenburg) and Bobingen (Bavaria), the homes of two Trevira sites. Indorama has already allocated a sum of money to these two areas, while additionally, all Indorama employees – including Trevira staff – have been invited to contribute to the fund on a

voluntary basis. To be selected for funding, eligible projects must first be put forward by the staff of Indorama and subsidiaries such as Trevira. This ensures that the projects have a local connection to the areas where the companies are based. An internal, international jury evaluates the submissions and selects the projects it thinks will benefit most from support.



A total of five charities were chosen for the Guben and Bobingen regions, and on Tuesday, 19 May, funds totalling €11,556 were distributed among three charities in Guben. Guben plant manager Thomas Rademacher

visited each of the three charities in person to present them with the cheques. This gave the Trevira representative a chance to find out more about the fantastic work carried out by the charities, and to learn more about how they have

been affected by the Covid-19 pandemic.

The 'Gubener Tafel', a food bank run by the national Association for the Unemployed (State of Brandenburg branch)



received €3,000. The food bank redistributes food that would otherwise be thrown away to people in need, relying entirely on donations to carry out its work. At the beginning of the pandemic, it had to close down its operation temporarily as hygiene requirements made it impossible to deliver food to clients. However, thanks to the creativity and commitment of the food bank's directors, it was only a short while before 300 people could once again receive support. A further beneficiary of the fund was the Comet Youth Club, which is organised by the Friends of Alternative Youth Work and Youth Culture in Guben. The Friends' society, which has charitable status, supports youth work in the region by helping to fund a number of different leisure activities, especially for low-income families. The coronavirus crisis meant that it had to cancel or postpone various projects and the youth club had to be shut. When lockdown started, the club – where around 30-40 young people and children used to meet up on any given day – closed down literally overnight. The donation of € 4,056 will help the club to get back on its feet. The final A further beneficiary of the fund was the Comet Youth Club, which is organised by the Friends of Alternative Youth Work and Youth Culture in Guben. The Friends' society, which has charitable status, supports youth work in the region by helping to



fund a number of different leisure activities, especially for low-income families. The coronavirus crisis meant that it had to cancel or postpone various projects and the youth club had to be shut. When lockdown started, the club – where around 30-40 young people and children used to meet up on any given day – closed down literally overnight. The donation of € 4,056 will help the club to get back on its feet. © Trevira GmbH: Handing over the donation to the Comet Youth Club The final centre now hopes it can continue its work. It's already planning its first live concert, which it is hoped will take place in the centre's beer garden at the beginning of June. Guben plant manager Thomas Rademacher said, 'I could see for myself that the funding donated by our parent company is going to three very

good causes. I wish the charities every success in delivering these important projects'. The mayor of Guben, Fred Mahro, also expressed his gratitude to Trevira for the financial support.

IVL also selected two charitable projects in the Bobingen region to benefit from the appeal fund, each of which received a donation of €5,000. Andreas Borchert, manager of the Trevira Bobingen plant, presented the cheques on Friday, 22 May 2020. One of the organisations to receive help was the charitable foundation, 'Karte der Not' in Augsburg. The organisation supports people who, through no fault of their own, are experiencing especial financial or other hardship as a result of the coronavirus pandemic.



**Sensient Imaging Technologies SA**  
ZI Riond Bosson 8, Morges 1110  
Switzerland

Tel: +41 21 811 23 00

Fax: +41 21 811 23 11





# Home textiles made from bulky polyester filament yarn

Remscheid, May 21, 2020 – home textiles directly influence the feel-good factor of our personal surroundings. Being pleasant to the touch, soft and extremely aesthetic, highly-bulky upholstery fabrics for furniture, decorative fabrics and wall textiles, drapes and pleated curtains and even carpets can support and express our lifestyles and personalities. High-quality textiles for our beds, bathrooms and tables are frequently matter-of-fact for many of us. And high-end yarns are also used in the automobile industry – for seat upholstery, interior cladding and floor covering in cars. Often, they have to withstand heavy demands. For this reason, the yarn quality of the high-titer yarns must be correspondingly high.

To date, DTY yarns up to 1200 den and with up to 784 filaments have, as standard, been plied from four POY 300d/192f bobbins using DTY machines. However, this process has a fundamental disadvantage: half of the texturing machine's available winder positions are not used. And – in terms of machine efficiency – this is an unsatisfactory state of affairs.

Here, Oerlikon Barmag offers yarn manufacturers a highly-efficient solution: the spinning concept

with WINGS HD winding unit in conjunction with an automatic eAFK Big V Multispindle texturing machine is currently the only system on the market for manufacturing excellent-quality high-titer yarns with maximum machine efficiency.

## WINGS HD – superb efficiency and functionality

12 POY packages of up to 600d/576f (final) are produced in the spinning process using WINGS HD 1800. This is made possible as a result of an additional godet, which ensures that the high yarn tensions developing in the process are reduced to the yarn tensions common in the case of the winding process to date. At the same time, the newly-developed suction unit with the accompanying yarn cutting device (yarn collecting system) ensures – both during string-up and in the event of a yarn break – reliable handling of the yarn with an overall titer of 7,200 den (final) and 6,912 filaments. With this, the Oerlikon Barmag eAFK Big V Multispindle machine uses all winder positions and hence has the full production capacity at its disposal for manufacturing DTY yarns of 1200 den with up to 1152 filaments. Multiple plying of individually-spun

filaments to create a high overall titer fundamentally impacts yarn quality. With the Oerlikon Barmag concept, this is minimized by plying the highest titers possible.

## eAFK Big V Multispindle – productive and yarn-gentle

The eAFK Big V Multispindle texturing machine is based on the tried-and-tested eAFK Multispindle concept, with two individual friction rows. The high individual titers of up to 600 den per single filament can be textured using more powerful godet motors, a more powerful friction unit and a 2.5-m heater. The straight configuration of heater and cooling unit ensures particularly gentle yarn handling with a simultaneous drawing/crimping process. This is especially important for producing delicate microfilament yarns of the best quality. Thanks to this multiple configuration, 576 texturing positions can be efficiently utilized when manufacturing high-titer yarns, which are then taken up using all 288 positions. And the machine is particularly efficient in the high titer range of between 900 and 1200 den. Here, the operating window of between 30 and 1200 den offers yarn manufacturers maximum flexibility. The eAFK Big V



CHT Pakistan (Pvt.) Ltd.

Sundar Industrial Estate 54-B  
Raiwind Road  
55150 Lahore

Managing Director:  
Mr. Haroon Ali Khan

+92 42 111 111 248  
+92 42 352 974 82  
info.pakistan@cht.com



texturing concept was launched in 2018, and has already convinced numerous yarn manufacturers with its performance. C3,708 characters including spaces

### About Oerlikon

Oerlikon (SIX: OERL) develops modern materials, systems and surface technologies and provides specialized services aimed at securing high-performance products and systems with long lifespans for customers. Supported by its technological core competencies and its strong financial footing, the corporation continues its medium-term growth plan by implementing three strategic factors: focusing on attractive growth markets, ensuring structural growth and expanding through targeted M&A activities. Oerlikon is a globally-leading technology and engineering corporation, operating

its business in two segments (Surface Solutions and Manmade Fibers) and employing around 11,000 members of staff at 182 sites in 37 countries worldwide. In 2019, Oerlikon generated sales of CHF 2.6 billion and invested more than CHF 120 million in research & development.

### About the Oerlikon Manmade Fibers segment

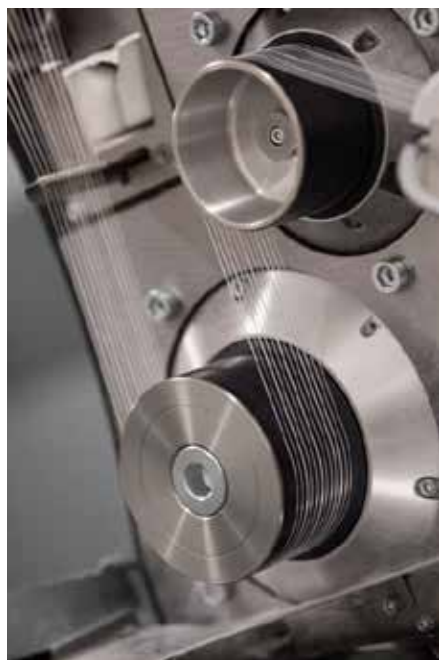
With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers segment is one of the leading providers of manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and solutions for the production of nonwovens and – as a service provider – offers engineering solutions for the entire textile value added chain.

As a future oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies (e-save). With its range of polycondensation and extrusion systems and their key components, the company caters to the entire manufacturing process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off with automation and Industrie 4.0 solutions. The primary markets for the product portfolio of Oerlikon Barmag are in Asia, especially in China, India and Turkey, and – for

those of Oerlikon Neumag and Oerlikon Nonwoven – in the USA, Asia, Turkey and Europe. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly-qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow's world.

### “Even closer to our customers”

Shanghai/China, Remscheid/Germany, June 11, 2020 – After more than eight years in the Intercontinental Business Center on Yutong Road in Shanghai, China, the Manmade Fibers segment has now opened a new sales and service office in the metropolis of millions near the international airport in Hongqiao and the National Exhibition and Convention Center (NECC). The main reason for the change from Yutong Road to the new address on Zunyi Road was the logistical aspects in a city that has had to cope with increasingly heavy traffic in recent years. “Now we are even closer to our customers,” explains Wang Jun, Oerlikon China President. The proximity to Hongqiao airport and the Hongqiao railway station with its high-speed trains will provide the sales and service staff with even better infrastructure connections. Furthermore, the



Solunaris GmbH  
Industriepark Kalle-Albert Building E232  
Kasteler Strasse 45  
65203 Wiesbaden

Tel: +49 611 880 438-0  
Fax: +49 611 880 438-69  
Email: [info@solunaris.com](mailto:info@solunaris.com)  
Web: [www.solunaris.com](http://www.solunaris.com)



local repositioning also takes into account the changes within the Oerlikon Group. “The divestments made within the Oerlikon Group in recent years have now led to a reorganization here in Shanghai. Today, Oerlikon’s business activities

in China focus exclusively on the segments Manmade Fibers and Surface Solutions incl. Additive Manufacturing. The time had come to set up the best possible infrastructure for optimum customer service for both business segments,”

continues Wang Jun. In addition, in the age of digitalization, sales and service employees in China are increasingly able to work from home. All of this has now led to a changed, adapted and, last but not least, cost-optimized reorganization.

## Up-to-date with secured remote services



Neumünster, May 28, 2020 – to increase system productivity and to keep service downtimes as short as possible, remote servicing has long been absolutely essential within a globally networked textile industry. For its Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers segment is offering a new secured remote service concept with defined loan-based hardware and software. A remote connection with remote access to the systems creates new service options that would not have been possible over the phone or by e-mail. With remote servicing, unplanned downtimes and the associated production stoppages – which can quickly result in costs running into the tens of thousands – are significantly reduced. Here, the

standards for IT security and the requirements for IT components are becoming increasingly decisive. For these reasons, it is all the more important to ensure the requisite hardware and software are constantly up-to-date. Upon signing a secured remote service contract, Oerlikon Manmade Fibers provides its customers with the necessary hardware and software, exchanges the hardware in the event of changes to security requirements and supplies continuous software updates. “Within the context of a secured remote service contract, we loan the hardware to our customers. This means that our clients do not have additional procurement costs and they do not have to worry about ensuring their technology is constantly up-to-date in terms of security requirements. We assume this task for them”, explains Jan Pauer, Technical Sales Manager responsible for modifications, talking about the benefits of this service concept. Secured remote service contracts are offered for all Oerlikon Neumag and

Oerlikon Nonwoven systems and are available with additional, customer-specific services. 1,848 characters including spaces.

### Protective masks for Europe

Neumünster, May 14, 2020 – two companies newly-established in Germany to manufacture and distribute high-end protective masks were in the spotlight at the beginning of May: with FleeceforEurope and Lindenpartner, Düsseldorf-based Kloeppel Group purchasing consultancy and Berlin-based industrial consultancy Bechinger & Heymann Holding plan to manufacture and distribute up to 50 million protection class FFP1 through FFP3 respiratory masks a month exclusively for the European market from the beginning of fall. And the primary focus will be on quality. With protective masks – including those used in operating rooms – this quality is provided above all by virus-absorbing nonwovens. And these will be manufactured by the new venture ‘FleeceforEurope’



J. Zimmer Maschinenbau GmbH  
Screen & Coating Systems  
9020 Klagenfurt, Ebentalerstraße 133  
AUSTRIA

Phone: +43.463.3848-0  
Fax: +43.463.3848-283  
E-Mail: sales@zimmer-austria.com

in Germany using an Oerlikon Nonwoven meltblown system. But all masks are not created equally. For this reason, protection against infections such as coronavirus can only be guaranteed with the right quality. On the one hand, this relates to how the masks are

made. On the other hand, it is above all – as is so often the case – about what's inside. Because the nonwoven used in protection class FFP1 through FFP3 respiratory masks plays a decisive role. Here, the globally-leading and long-established meltblown technology from Oerlikon Nonwoven will be deployed. In a special, patented process, the fibers laid into a nonwoven fabric during manufacture are subsequently electrostatically-charged, before the material is further processed downstream.

### **Inquiries from all over the world**

“Our patented electrostatic charging ensures that even the smallest particles, and therefore also viruses, are drawn in and absorbed by the nonwoven fabric for several hours. As a result of the comparatively loose formation of the fibers, the wearer can nevertheless breathe in and out easily”, explains Rainer Straub, Managing Director of Oerlikon Nonwoven with pride.

And rightfully so. Because Oerlikon is currently dispatching one meltblown system after the other. “We identified the situation early on and have adapted to

demand. We started manufacturing in advance at the beginning of the year and can now start reliably delivering and quickly assembling systems and, due to our global Oerlikon Manmade Fibers segment network, we are able to offer the necessary service as well”, explains the experience engineer.

Currently, the company is receiving inquiries from across the globe, but specifically also from Europe and from Germany itself. “The Federal States all currently want to be self-sufficient in order to better control the so-called critical infrastructure in the future. The investment program announced by Germany's Federal Minister for Economic Affairs Peter Altmaier this week will additionally boost the demand for our meltblown technology”, continues Straub.

### **European market for protective masks with a promising future**

Those responsible at Oerlikon Nonwoven and FleeceforEurope, which will primarily focus on producing high-end nonwovens, and Lindenpartner, which will manufacture and distribute the protective masks, are certain of one thing: the market for protective masks has a very promising long-term future in Europe.

What has been commonplace in Asia for many years now will also become normal in Europe. People will be increasingly wearing face masks when venturing out, in

order to better protect themselves against health risks such as the current pandemic and also against increasing environmental pollution in the form of fine particles and exhaust fumes in the future.

“We didn't know what meltblown technology was three months ago. We helped our customers procure protective masks, at the same time discovering the in part hair-raising conditions in the global markets”, explains Marc Kloepfel, CEO of the Kloepfel Group. According to him, around 200 businesses in China were manufacturing protective masks until 2019, a figure that has meanwhile risen to include thousands of micro-producers. “And there is a lot of very poor quality on the market and, unfortunately, counterfeits as well.

But customers from all over the world are knocking on the door with bags of cash and buy everything they can get their hands on – even items that may have been stolen further up the supply chain.” The prices have practically exploded.

“While masks used to cost ten cents to purchase, prices has risen to two euros or more during the coronavirus crisis”, explains Philipp Heymann, CEO of Lindenpartner.

However, there is – as in the case of many other industrial and consumer goods – a huge level of dependency on Asia, and China in



Via Bergamo 1910, 21042 Caronno Pertusella (VA)  
Phone: +39 02 9650169 / +39 02 96458475  
Fax: +39 02 9656218  
Email: info@msitaly.com







Cotton, Fiber, Non-Woven &amp; Technical Textiles

particular, among Europeans and Americans. In order to become competitive here, the focus will be on state-of-the-art production processes for manufacturing protective masks.

“At the end of the day, we will be able to manufacture products in Germany at Chinese prices as a result of our automation technology”, explains Heymann.

### Medical face masks from a vending machine

Mask producer Lindenpartner has already secured supplies of nonwovens and will be producing face masks for the European healthcare sector over the coming weeks. To fight the coronavirus pandemic, Lindenpartner is planning to install 100 self-service face mask vending

machines in Germany over the next four weeks, positioning them in publicly-accessible places such as shopping centers and airports, for example. FFP2 masks will initially cost around five euros from vending machines. As soon as Lindenpartner is able to manufacture the masks with its own nonwoven fabrics, prices will fall to approx. 2 to 3 euros.

# Neuenhauser Textile - A fresh breeze for the past 60 years

The requirements and wishes of customers have been our driving force for innovations and further development for more than 60 years now. The Neuenhauser Maschinenbau GmbH, today a fixed component of the Neuenhauser Group of Companies, was founded in 1955 as a construction and production company, and has established itself in various industrial branches. In the textile industry, too, we have been able to develop an outstanding reputation as trustworthy partners, of which we are very proud. The Textile division of the Neuenhauser Group is compiled from different companies and business divisions which unite many decades of experience.

Tell us directly what we can do for you. We are the global leaders in the automated handling of natural and chemical fibre yarn bobbins as well as in the field of ascending batch and centre winders. We possess the highest competences in electrical engineering and design. If you are facing a challenge, we will resolve it together with you. We place as much value on open exchanges with our customers to fulfil their individual requirements as we do on the quality of our products, which we inspect with

great thoroughness. We orientate ourselves on our customers in our entire thinking and actions. Here we trust completely in the competence of our employees, who are able to develop within the technology and innovation-friendly climate of the entire Neuenhauser Group. Every idea brings us further.

## Spinning Mill Automation

*Higher quality and efficiency though automation processes  
Innovations in the textile industry*

In the second half of the twentieth century, when the increasing automation of many industries brought with it a substantial increase in productivity and improvements in the working conditions, the textile industry proved no exception. Our company, founded in 1955 as a construction and production company, was able to help shape the automation of the textile industry, and continues to do so today. In 1983, we developed the world's first fully-automated handling system "AutoFlow" for the removal of bobbins. Over the following years, we succeeded in establishing further automatic handling systems. Today, we are world leaders in the automated handling of natural and chemical

fibre yarn bobbins. Due to complete automation processes which extend from production right up to logistics, we support our customers in increasing the quality of their products, in creating a clean and efficient production environment and in designing processes to be more reliable and economical. The development of the systems and concepts takes place in close collaboration with the customers in order to guarantee optimum solutions for the various specific requirements. Outside the textile branch, we deploy these experiences and our specialist know-how in sectors such as the glass fibre, automotive, plastics and food industries. We view the trust and value placed in us by our customers as an obligation to continue engaging our know-how and innovative ideas.

## The best material

Frequently designated as the highest priority is the reduction of wage costs as one advantage from a whole series of advantages regarding the use of fully or partially-automated transport systems for spinning mills. Through the use of these high-performance systems, complaints due to transport-related material



2-1, Toyoda-cho, Kariya-shi,  
Aichi 448-8671 Japan

Tel: 0566-27-5157  
Fax: 0566-27-5652  
E-mail: [m.asai@public.toyota-shokki.co.jp](mailto:m.asai@public.toyota-shokki.co.jp)  
URL: <http://www.fcc.co.jp/toyoda/>

confusions can be effectively avoided through the use of these high-performance systems. The low stresses placed on the material increase the quality, and the throughput flexibility is substantially increased. The systems can be integrated into a relatively small space and integrated seamlessly into the overall concept of any spinning mill. We know the requirements of the business and are happy to address individual challenges. With the collective experience and competence of our internationally-active company, which has grown over the decades, we help our customers to find the appropriate transport solutions for a safe, clean and efficient operating process which is gentle on people and materials. Our fitters and programmers put the systems into operation on site.

### Automatic Guided Vehicles

With a motivated team of highly qualified designers and developers, Neuenhauser now offers solutions for the next challenges in automation technology: The automated handling of spinning cans with which cotton material is transported within the yarn manufacturing process.

### PALLETISERS

*Utilising automated processes successfully Keeping processes firmly under control*

The objective of our palletising systems is the material-saving,

cost-saving and temporally-efficient equipping of pallets with bobbins. So that this works successfully for every customer, we provide a comprehensive range of different palletisers which cater for specific requirements.

Our operation-friendly palletisers offer substantial advantages in the maintenance of product quality. The yarn is treated particularly gently due to the accurate handling. The high process performance is consistently upheld and offers planning security. Through the short amortisation period, the Neuenhauser palletising systems are an investment well worth making in a dynamic working environment.

As for all our projects, we also accompany the production and installation of the palletisers continuously for our customers in order to find the optimum solution for all tasks. For many years now, we have been a reliable partner for internationally-renowned companies from the natural and chemical fibre branch.

### Spinning Excellence



By: Sanjay Arora , Gagandeep Garg

Many spinning mills in India are under a lot of stress, particularly owing to increasing costs of raw material and power. Sanjay Arora and Gagandeep Garg write about the challenges and solutions.

India is one of the few countries in the world which has production at each level of textile manufacturing viz. fibre manufacturing, spinning, weaving, knitting, processing and garmenting. The textiles sector is the second largest after agriculture in India. Significant growth has been observed over the years, which motivates entrepreneurs to invest in the industry or to expand their existing plants.

However, the Indian textiles and apparel industry has struggled in FY18 due to the lingering effect of the goods and services tax (GST). The overall consolidated sales of the top 10 companies increased by 2 per cent during FY18. However, the EBITDA (earnings before interest, tax, depreciation and amortisation) declined drastically by 16 per cent in the same period.

Due to increasing raw material, power and other costs many spinning mills are under stress. Textiles is one of the sectors which accounts for most of banks stressed assets. Many companies are declared NPA (non-performing asset) and are under National Company Law Tribunal (NCLT) at the present.

Higher volatility in cotton prices have impacted the complete scenario for spinning mills. Mills



Donzdorfer Strasse 4, D-73079 Süssen, Germany  
Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com

Factory and Shipping Address  
Donzdorfer Strasse 65, D-73079  
Süssen, Germany  
E-mail: mail@suessen.com





with lower spindle capacity or narrow product range face challenges during market volatility. Lower manufacturing costs, higher productivity rates, labour skills and uniform quality can lead to higher profitability. To sustain in the competitive market, efficient operational management is required. Regular monitoring and value addition to the process is essential to move forward.

Followings are the main challenges faced by spinning mills:

### 1) Lower Productivity

Productivity is the major factor affecting directly on yarn cost. In practicality, mills are following same standard of GPSS (gram per spindle per shift) or productivity for a long time now. They are more focused on production, instead of productivity. Major spinning leaders have raised their standard of productivity by modernising machines or optimising process parameters. Preparatory processes play an important role in ring spinning. Better processing

of raw material with uniform quality helps in gaining more productivity in ring frames and lesser cuts in the winding section. The major factors influencing yarn productivity are as under:

- Improper bale and lot management in mixing department;
- Different proportion of usable waste mix up in bale laydown;
- Not following proper method of bale storage and conditioning;
- Regular sliver quality monitoring system for individual cards is missing;
- Lack of sliver breakage monitoring and their rectifications;
- Improper follow up of machine and general cleaning, which leads to higher neps;
- More variations in lap weight;
- Irregular checking of neps
- removal efficiency (NRE %) at card and comber stage;
- Randomisation process is not followed at various stages;
- Top roller changing method is not followed in draw frame;
- More variation in top arm pressure of speed frame and ring frame;
- Wrong selection of particulars for different count range;
- Imbalanced work load on operators and skill gap in mending and piecing;
- Higher doffing time and downtime;
- Adverse condition of working components e.g. bobbin holders, top arms, bottom aprons, cots, ring rail, lappet hook, spindle buttons, spindle tapes, etc;
- Improper creeling and increased idle spindles;
- More yarn breakages and fly

**mouvent**  
A Bobst Group company

Cheseaux: Mouvent AG, route de Genève 38, 1033  
Cheseaux-sur-Lausanne, Switzerland  
Marly: Mouvent AG, route de l'Ancienne Papeterie, 1723  
Marly, Switzerland





accumulations in ring frame;

- Return air and supply air not as per recommendations;
- More fluctuations in RH and temperature of the humidification plant; and
- Improper schedule management for maintenance cleaning, lubrications and general cleaning.

## 2) Low Utilisation Level

Various factors are involved in the lower utilisation of spinning processes. These include more downtime due to adverse working performance, labour shortage, quality distortion, doffing loss, etc. Proper gap analysis and right approach to meet the standards is very essential to meet standard of the utilisation level.

Labour shortage problem is commonly faced by many spinning units. Due to unavailability of

operators or more absenteeism, it results in higher downtime of machines. Old units without auto doffing systems or modernisation are highly dependent on workers and producing less utilisation.

## 3) Lower Efficiency

Higher efficiency is a must to maintain the productivity level of existing spinning mills. Lack of technology upgradation, manual controlling of machineries, increased work load and higher dependency on manpower leads to lower efficiency. Improper tools and material handling, lack of knowledge about machine operations and functions are the main barriers in case of lower efficiency.

## 4) Poor Yarn Realisation

Improvement in realisation is must to match industry standards for better profitability. Raw material covers major part of

inventory and directly influenced with the realisation factor. More generation of waste leads to lower realisation.

Wastage is more when process engineering is not up to the mark. Optimisation of process is essential to control waste level in blowroom, carding, comber, ring frame and autoconer.

Soft waste can be used in back process up to some extent but hard waste can't be reused. Losses also occur in the form of invisible waste, e.g. fly, fluff, etc.

## 5) Higher Power Cost

Power and fuel are the major factors affecting yarn cost. Consumption of power can be controlled for both old and new machinery by proper analysis. In old machineries, most of the mechanism is mechanical and require high capacity motors to drive them.

Heavy shafts and couplings are used in mechanical buildup of machines. Due to heavy mechanical mechanism of old machineries, power consumption is on the higher side. Leakages in compressed air pipes and more load on specific machines increase power consumption of the unit.

## 6) Lack of Modernisation

Most of the units are still using old machinery for yarn manufacturing. Technology has been upgraded to deliver



best results. These include auto doffing system, bobbin transport system (BTS), spindle individual monitoring system (SIMS), roving individual monitoring system (RIMS), variable frequency drive (VFD) control system, etc. These modernisations in technology uplift the standards of working performance and productivity level. Use of right technology and regular monitoring change the profitability of the spinning mills. The Central and state governments are contributing in technology upgradation via schemes like the Technology Upgradation Fund Scheme (TUFS).

### 7) Less Emphasis on Product Development, Value Creation and Services

Market demands keep varying as per fashion trends and specific requirements of consumers. Due to a significant improvement in the economy, superior goods are more preferred in place of inferior goods. We need to modify count ranges of yarn or types of yarn as per market demands. Most spinning mills are focused on producing normal yarn, while market demands shifted towards special yarns e.g. compact yarn, fancy yarn, siro yarn, lycra yarn, melange yarn, neppy yarn, slub yarn, etc. The prevailing problems in the spinning sector are due to the reasons like lack of exposure for the staff as they are trained in the same conditions which lead to lack of knowledge towards the best practices in the industry. The



routine staff is unable to identify the gaps in the process due to the familiarity with the ongoing process. Apart from concentrating on regular processes, special attention is required to be paid on development section. Cumulative loss ranges from 5 per cent to 20 per cent due to low productivity, poor yarn realisation and high power costs. The operational part is way behind from its own capabilities. Few of the spinning mills have already achieved the industry best, and have started focusing on implementation of new strategies and operational excellence. Many plants are still in a struggling phase and require proper guidance. A third party evaluation is the need of the hour which will help in productivity improvement. Specialised consultants with hands-on experience in domestic and international markets should

be consulted for the gap analysis, monitoring and value addition.

**The following methods can be adopted for prospective of operational excellence:**

**Gap Analysis:** Identifying gaps is the most important part, which helps in creating roadmaps to manufacturing excellence. A panel of experts can be deployed or hired who have a deep understanding of various departments. Joint efforts of the panel help in finding a root cause analysis and prepare a detailed report. Based on the detailed report, a robust action plan can be prepared which would be fully capable of filling the gaps and benchmarking the level of profitability via innovative strategies. A systematic method is followed for identifying the gap. Current process parameters of spinning processes analysed in

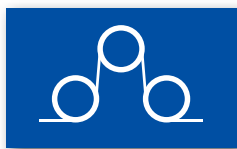
**datacolor**

Datacolor  
5 Princess Rd  
Lawrenceville, NJ 08648  
USA

Loorenstrasse 9  
CH-8305 Dietlikon  
Switzerland  
Tel No: +1 609.924.2189  
Fax No: +1 609.895.7414

ecmarketing@datacolor.com  
Tel No: +41 44.835.3711  
Fax No: +41 44.835.3739





**SCHMIDT**

control instruments

**KHANTEX** International  
*The Art of Textiles*

**We deal in Textiles, Home Textiles & Machines**

House 1183, Street 1, G 9/2 Islamabad-Pakistan

Tele: +92 51 2855125, +92 51 2324466, Fax: +92 3009766099

Email: khantextintl@gmail.com

**SCHMIDT offers the worldwide largest selection  
of Tension Meters**



**SCHMIDT**

control instruments

HANS SCHMIDT  
P. O.B. 1154 844 64 Waldkraiburg Germany  
Shipping address: HANS SCHMIDT  
Schichtstrasse 16 84478 Waldkraiburg Germany

Phone: int. + 49 (0) 86  
Fax: int. + 49 (0) 86  
e-mail: info @ hans-schmidt  
Internet: www.hans-schmidt.com

best results. These include auto doffing system, bobbin transport system (BTS), spindle individual monitoring system (SIMS), roving individual monitoring system (RIMS), variable frequency drive (VFD) control system, etc. These modernisations in technology uplift the standards of working performance and productivity level. Use of right technology and regular monitoring change the profitability of the spinning mills. The Central and state governments are contributing in technology upgradation via schemes like the Technology Upgradation Fund Scheme (TUFS).

### 7) Less Emphasis on Product Development, Value Creation and Services

Market demands keep varying as per fashion trends and specific requirements of consumers. Due to a significant improvement in the economy, superior goods are more preferred in place of inferior goods. We need to modify count ranges of yarn or types of yarn as per market demands. Most spinning mills are focused on producing normal yarn, while market demands shifted towards special yarns e.g. compact yarn, fancy yarn, siro yarn, lycra yarn, melange yarn, neppy yarn, slub yarn, etc. The prevailing problems in the spinning sector are due to the reasons like lack of exposure for the staff as they are trained in the same conditions which lead to lack of knowledge towards the best practices in the industry. The

routine staff is unable to identify the gaps in the process due to the familiarity with the ongoing process. Apart from concentrating on regular processes, special attention is required to be paid on development section. Cumulative loss ranges from 5 per cent to 20 per cent due to low productivity, poor yarn realisation and high power costs. The operational part is way behind from its own capabilities. Few of the spinning mills have already achieved the industry best, and have started focusing on implementation of new strategies and operational excellence. Many plants are still in a struggling phase and require proper guidance. A third party evaluation is the need of the hour which will help in productivity improvement. Specialised consultants with hands-on experience in domestic and international markets should be consulted for the gap analysis, monitoring and value addition.

The following methods can be adopted for prospective of operational excellence:

**Gap Analysis:** Identifying gaps is the most important part, which helps in creating roadmaps to manufacturing excellence. A panel of experts can be deployed or hired who have a deep understanding of various departments. Joint efforts of the panel help in finding a root cause analysis and prepare a detailed report. Based on the detailed report, a robust action plan can be prepared which would be fully capable of filling the

gaps and benchmarking the level of profitability via innovative strategies. A systematic method is followed for identifying the gap. Current process parameters of spinning processes analysed in terms of productivity, quality, man, machine, maintenance activities and unit power consumption. Benchmarking of company's data with industry standards and audit for practical observation of gap. After complete assessment of process, a detailed step-by-step plan is to be followed for filling up the gaps.

**Implementation of Roadmap to Manufacturing Excellence:** In order to stay competitive in the domestic and international markets, continuous improvement is must in terms of higher productivity and quality. The following steps are required to be followed for betterment of spinning processes:

- **Process Optimisation:** Continuous improvement in productivity level, quality, utilisation and yarn realisation is very important for efficient working of operations. Optimisation of process can be done after proper analysis of processes. Due to poor process engineering at preparatory processes and adverse conditions of humidification plant, high



TM needs to be imparted in ring frame for better working performance. Step by step action plan is required for optimisation of processes from blowroom to ring frame. Machine and process settings are required to be fine-tuned, so as to match with required quality level with controlled wastage. Technologies like roving individual monitoring system help in controlling waste levels in terms of less fly generation and less pneumafil waste.

- **Technical and Technological Upgradation:** Rapid improvements have been done by textile machine manufacturers to simplify work practices and achieve

higher productivity levels. Few technologies can also be implemented in old machinery as well. Selection of the right technology for the product is very essential to gain maximum output. Upgradation in technology helps in reduction of manpower, increase in productivity, lower power consumption, less maintenance costs, etc. Manufacturing of special yarn requires retrofit arrangements, additional attachments, sourcing of material, etc, which need proper planning and execution. With the help of upgraded technology, new products can be efficiently manufactured on old machineries as well.

- **System and Processes:** Labour is extensively involved in different processes. Developing systems and following them perfectly is the biggest task. Many industries have been following traditional systems over the years and struggling to retain them. Standard operating procedures (SOP) must be followed in such a manner to maintain productivity and make processes more efficient. Regular monitoring of current processes and establishing new systems as per current requirement are essential to seal the gap. Bypassing of systems and rules create hurdle in maintaining standardisations of the processes. Time to time audits

# GROZ-BECKERT®

Groz-Beckert KG  
Parkweg 2  
72458 Albstadt  
Germany

E-Mail: [contact@groz-beckert.com](mailto:contact@groz-beckert.com)  
Phone: +49 7431 - 10 0  
Fax: +49 7431 - 10 2777



# Business Situation Against the Backdrop of the COVID-19 Pandemic

Mrs. Relindis Wieser, Media Relations, Rieter Management AG



- Since the end of March 2020, COVID-19 has led to very low demand in all Business Groups
- Comprehensive crisis management implemented
- Loss in the mid double-digit million range expected in the first half of 2020
- Plans to introduce short-time working to adjust capacity in Switzerland and Germany
- Strategy will continue to be implemented

Due to COVID-19, a large number of spinning mills have stopped production worldwide. Since the end of March 2020, this has led to low demand for spare parts and wear & tear parts and delays in testing programs

during the development of new machines. Customers are postponing investment projects or unable to implement them due to restrictions imposed by national governments. This results in low demand for new machines.

## Comprehensive crisis management

Rieter has implemented comprehensive crisis management. Priorities are being given to protecting employees, fulfilling customer commitments and ensuring liquidity. The necessary measures to protect employees have been implemented worldwide. The order backlog of well in excess of CHF 500 million is being processed largely according to plan, despite the existing bottlenecks in the supply chains. Less than 5% of the orders in the order backlog have been canceled. Rieter has already implemented measures to ensure liquidity and reduce costs. The company has good net liquidity and undrawn credit lines in the mid three-digit million range.

## Loss expected in the first half of 2020

As already reported, Rieter expects sales and earnings in the

first half of 2020 to be significantly below the prior year level. The effects of COVID-19 will place an additional burden on the first half of 2020.

Rieter therefore expects sales in the first half of 2020 to be less than CHF 300 million. Despite the countermeasures implemented at the net profit level, this will lead to a loss in the mid double-digit million range.

## Plans to introduce short-time working to adjust capacity

Rieter plans to apply for short-time working for the areas with forecasted low capacity utilization at the locations in Switzerland and Germany. The application will be for 40% short-time working in the third quarter of 2020. Talks with staff representatives will begin next week.

Areas that are responsible for processing the order backlog are excluded from short-time working. This also applies to the assembly of machines in Winterthur, the relocation of which is being implemented as planned.

Similar measures to reduce working hours are planned



Bianco S.p.A.  
Strada Tagliata, 18 – 12051 Alba (Cn)  
Tel. +39 0173 314111  
Email: info@bianco-spa.com



worldwide where necessary, within the scope of the available legislative options.

As a sign of solidarity, Rieter's Board of Directors, Group Executive Committee and the senior management will waive 10%-20% of their salaries temporarily. Rieter is therefore entering the second half of 2020 with a significantly improved cost base.

### Implementation of the strategy

In recent years, Rieter has consistently implemented the strategy based on innovation leadership, strengthening the business in components, spare

parts and services and the adjustment of cost structures. The company intends to forge ahead with the implementation of the strategy in the coming months, thus strengthening its market position for the time after the COVID-19 pandemic.

The next information on the course of business is planned with the publication of the half-year results on July 16, 2020.

### About Rieter

Rieter is the world's leading supplier of systems for short-staple fiber spinning. Based in Winterthur (Switzerland), the company develops and

manufactures machinery, systems and components used to convert natural and manmade fibers and their blends into yarns. Rieter is the only supplier worldwide to cover both spinning preparation processes and all four end spinning processes currently established on the market. Furthermore, Rieter is a leader in the field of precision winding machines. With 16 manufacturing locations in ten countries, the company employs a global workforce of some 4 590, about 21% of whom are based in Switzerland. Rieter is listed on the SIX Swiss Exchange under ticker symbol RIEN.

## Swavelle and Mill Creek Fabrics acquire Bella-Dura, Wearbest Sil-Tex Mills (Posted by Editorial Team | Jun 10, 2019 | News, Product Updates)

New York-based Swavelle and Mill Creek Fabrics have acquired indoor and outdoor performance fabric brand Bella-Dura and its parent company Wearbest Sil-Tex Mills. "Swavelle is very excited about bringing an established and respected brand under its umbrella, adding to our ability to offer residential upholstery fabric produced in the US," said Greg Thomases, Swavelle Vice President. "This acquisition significantly broadens our reach into the performance fabric market." Wearbest began as a company that served the high-end decorative residential market before it created Bella-Dura, a speciality performance fabric. As



the company has grown over the years, officials said, transitioning into a larger company felt natural. "Over the course of the past few years, Wearbest and Bella-Dura have been taking steps towards elevating our brands and overall

business in a smart and thoughtful way," says Ari Gasner, President of Wearbest and Bella-Dura. "This decision was not only strategic, but also naturally aligned in that Swavelle is a perfect extension of our company DNA."

Bella-Dura will continue to be woven in its Garfield, N.J., facility under the renamed Wearbest Weavers. Gasner, son of the company's previous Owner and CEO Irwin Gasner, will remain as an owner and President of the company. Susan Lobel, who was brought to the company in 2013 to oversee and develop Wearbest and its brands, will continue to manage its marketing.

# Knitting machine shipments fall in 2019

Zurich - Global shipments of both flat and circular knitting machines fell in 2019 with China in particular seeing a significant drop in investment. The 42nd annual International Textile Machinery Shipment Statistics (ITMSS) just released by the International Textile Manufacturers Federation (ITMF) show that global shipments of large circular knitting machines fell by 1.2% to 26,400 units in 2019 with the Asia & Oceania region remaining as the world's leading investor in this category with 86% of worldwide shipments. With 61% of all deliveries (i.e. 13,143 units), China was the main destination with India and Vietnam ranking second and third with 2,670

and 2,210 units, respectively. Deliveries of electronic flat knitting machines decreased by -40% to around 96,000 machines in the same period. Asia & Oceania was again the main destination for these machines with a share of 92% of world shipments. China remained the world's largest investor with an 80%-share despite a 44%-decrease in investments from 122,550 units to 68,760 units. In other sectors, global shipments of spinning, texturing, weaving and finishing machines also decreased on average compared to 2018. Deliveries of new short-staple spindles, open-end rotors, and long-staple spindles dropped by 20%, 20%, and 66%, respectively. The

number of shipped draw-texturing spindles declined by 4.5% and deliveries of shuttle-less looms shrunk by - 0.5%. Shipments of deliveries in the finishing segment also dropped by 2% on average. In the Fabrics Continuous segment, shipments of stenters and washing (stand-alone) grew by 34% and 0.6%. The growth in stenter deliveries is mainly explained by the addition of ITMF's estimate for the number of stenters. In the Fabrics Discontinuous segment, the number of jigger dyeing / beam dyeing shipped rose by +35% to 561 units. Deliveries in all other machine categories in both finishing sub-segments (i.e. continuous and discontinuous) decreased in 2019.

## Knitting Oil

KNITTING Oils are manufactured from a combination of high quality HVI solvent-extracted dual hydrogenated paraffin base oils which have good lubricity, good oxidation stability and give good protection against rust. Formulated not only to meet the exacting requirements of today's knitting machine technology, but also to be fully compatible with the yarns and the finishing routes to which the knitted fabric is



# Suessen

Spindelfabrik Suessen GmbH  
Administration  
Donzdorfer Strasse 4  
D-73079 Süssen  
Germany

Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com



subjected.

In the case of incidental contact with fabric or fibers, Molylub Textolin is formulated to be a truly washable oil using just plain water. This oil can be removed without the use of commercial washing liquors or caustic cleaning agents.

### Properties :

- Easy washable, readily dispersible with water
- Good oxidation resistance.
- Good lubricity, sinker wear protection, reduces friction
- Excellent stability of lubricating film
- Very Light Color to minimize Staining.
- Good Protection against Rust
- Non-corrosive to copper, bronze and other non-ferrous parts
- GOTS 4.0 approved for Organic Cotton processing
- Formulated to meet requirements of ECO labels, Biodegradable type

### Typical Uses:

- Recommended for use on knitting needles, on full fashion machines using nylon yarn and on circular knit machines where a light oil is required.

- High speed textile production machinery including needles, lifters, and sinkers
- Rapier guides and jacquard components on weaving machines

Can be hand applied by brush, spray or oil can.

### Molylub KnitTex W 22

Extraordinary scourable new generation water clear knitting oil for Textile Industry high-speed circular knitting machines and socking knitting machines.

### Application:

High speed, large and small diameter circular electronically or mechanically controlled Single- and Double-Jersey knitting machines, stocking knitting machines, its needles, sinkers, needle cylinders, dials, tuck cams.

### Properties :

- special formulation based on white oil with product-specific active agents
- high oxidation resistance, excellent aging stability limiting stains, sludge and sediment formation
- contains special emulsifying component additives guaranteeing high scourability both at high and low temperatures through conventional washing processes

- maximized shelf life for key stitch forming parts such as needles, sinkers and tuck cams
- ground breaking anti-wear technology, protecting your machine from wear and corrosion
- Noise and vibration dampening
- compatible with Elastane fibers, frame paints, plastics and electronic components
- Biodegradable and safe for skin

### Specification and Approvals:

Classified as DIN 62 136-1 and DIN 51360 for needle and sinker oils based on mineral oil.

ISO VG 22

GOTS 3.0; GOTS 4.0; OEKO-TEX compliance

OECD-301C

Corresponds to performance level requirements of Terrot, Lonati, Mellor Bromley, Sangiacomo, Monarch

### Advice

Please always check the washability under real conditions in your production. Monitor the lubricant quantity and to readjust it, if necessary Advice on applications not covered in this leaflet may be obtained from your Molylub representative.

## Circular knitting in Central Asia: Continuity in difficult times

The measures undertaken to contain the spread of Covid-19 have led to order downturns in the German engineering industry. Among member companies of the German engineering industry association VDMA over 90 per cent of respondents report adverse effects, a third of them "serious" (<https://www.vdma.org/v2viewer/-/v2article/render/48281066>). The corona

crisis has made its mark on the order books of Mayer & Cie. too. "After a promising first quarter of 2020," says sales director Wolfgang Müller, "our customers have since the end of March, when more or less the entire world went into lockdown, scaled orders down sharply. Fortunately, there are a few markets keeping up some of their regular activities while observing strict measures to contain the corona pandemic."

One of these markets is Uzbekistan. The Uzbek government has set

itself the target of having local cotton processed in Uzbekistan. That is why the country is driving forward the development of spinning mills, knitting factories and garment makers. According to the trade journal Gesamtmasche ([www.gesamtmasche.de/news/textilstandort-usbekistan/](http://www.gesamtmasche.de/news/textilstandort-usbekistan/)), up to US\$ 2.5 billion is to be invested in textile and clothing industry development between 2018 and 2021.

"In contrast to machine orders, which are directly related to orders



The Relanit 3.2 HS is one of the most popular machines in Uzbekistan.

## How MultiFleece™

gave an emerging athletic brand a huge competitive boost.



received by the customer, this programme is less dependent on day-to-day economic conditions,” Wolfgang Müller says.

Mayer & Cie. has been a machinery supplier for the government’s programme since the project’s inception, shipping a steady number of machines to Uzbekistan every year. Demand is mainly for mechanical models, first and foremost the Relanit 3.2 HS with an open-width frame. This model with its relative technology is seen as a cotton specialist; its major selling points are reliability, even with greatly fluctuating yarn qualities, secure plating and strength of output. Other models frequently shipped to the Central Asian country are the D4 2.2 II for rib and fine rib knits the D4 3.2 for interlock 8-lock structures and the MBF 3.2 for manufacturing three-thread fleece.

“The door openers to the Uzbek market are sure to have been

the quality and performance of the Mayer machines,” says the company’s sales director in retrospect. “Yet, what has enabled us to gain a good foothold in the market is our after-sales team. They achieve top marks for commitment, swift response times and competent service support.”

Does that mean the outlook for the future is good? Definitely, says Wolfgang Müller. “We can work on the assumption that Uzbekistan will continue to back textile industry development. With their modern, high-quality equipment export opportunities seem promising, too. Once we’ll have overcome the Covid-19 crisis, this should further increase the growth trend.”

### Terrot: An optimistic view into the future

Saxony is the cradle of German engineering art. And this has not happened by accident. A lot of

pioneering innovations were born in difficult times.

Covid-19 poses a challenge to all companies. In order to secure the health of its employees Terrot took consistent measures for prevention. But...

Customer orders will still be processed in a swift and careful way and be delivered on time.

A lot of new ideas and technical innovations have not been brought to series production due to the booming times of the past few years. Now Terrot will use the current situation to prepare for the future.

We understand the requirements of our customers and are therefore able to work on new ideas and we question ourselves to the benefit of our clients. Our engineering is working hard in order to generate new developments within a much shorter time. Innovations



Swissmem  
Pfingstweidstrasse 102  
CH-8005 Zürich

Tel. +41 44 384 41 11  
Fax +41 44 384 42 42  
info@swissmem.ch



get ready for a series production within weeks instead of several months. Terrot will conduct comprehensive tests in order to provide reliable and satisfactory solutions.

We are looking forward to shaping the future - together with our customers.

The world of athletic apparel is as competitive as the athletes

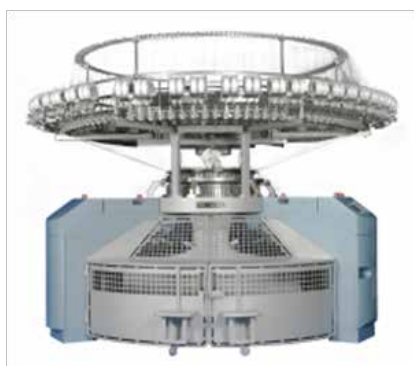
who wear them, if not more so. So when a leading sportswear brand found themselves searching for a new fabric technology that could give them a creative advantage over the competition, they came to Pailung. Through a series of collaborative workshops with Pailung's Open Innovation Lab, they created concepts that led to the construction of an amazing new knitting machine with the ability to infuse double-

sided design capabilities into a performance proven fleece fabric technology, MutliFleece.

### Built for ambitious imaginations.

- Widest range needle pitch & cylinder diameters
- Customizable & easy to upgrade
- Built & shipped faster than any other brand

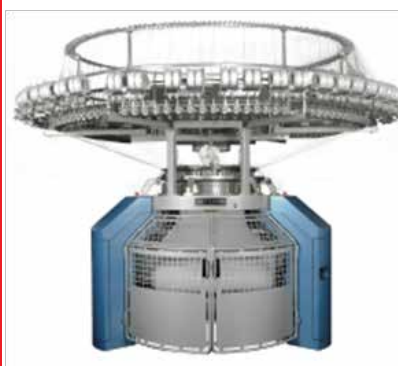
## Knitel Circular Knitting Machines



**KS3B**  
Fabric Technology:  
single Jersey

**Why it's popular:**  
Our most versatile  
and productive  
single jersey.

Gauge: 10G - 52G  
Diameter: 3" - 64"  
Feeders/inch: 3  
KS3B >



**KF3B**  
Fabric technology:  
StayFleece

**Why it's popular:**  
Unlike other fleece  
fabrics, StayFleece  
is uniquely shrink-  
resistant.

Gauge: 14G - 28G  
Diameter: 13" - 48"  
Feeders/inch: 3  
KF3B >



TESTEX tests and certi-  
fies - worldwide with Swiss  
reliability.  
TESTEX AG

Swiss Textile Testing Institute  
Gotthardstrasse 61, P.O. Box 2156,  
8027 Zurich, Switzerland

Phone +41 44 206 42 42  
Fax +41 44 206 42 30  
E-Mail [zuerich@testex.com](mailto:zuerich@testex.com)  
Web [www.testex.com](http://www.testex.com)

## Press Release // STOLL Italia patterns

Reutlingen, May 19, 2020—STOLL Italia has always been a trendsetter and is a pioneer in the field of innovative and unusual knitting patterns on the Italian and the world market. Their impressive patterns and ideas are regularly presented at the most famous exhibitions in the world such as PittiFilati and ITMA.

STOLL Italia offers inspiration to industries outside the usual knitting sector and shows the latest trends in the field of home textiles such as lampshades, carpets, curtains, room dividers, acoustic and decorative panels, pillows, chairs, poufs and many others proposals producible with the STOLL flat knitting technique.

The idea behind the development of these patterns was to give Stoll customers, as well as all the

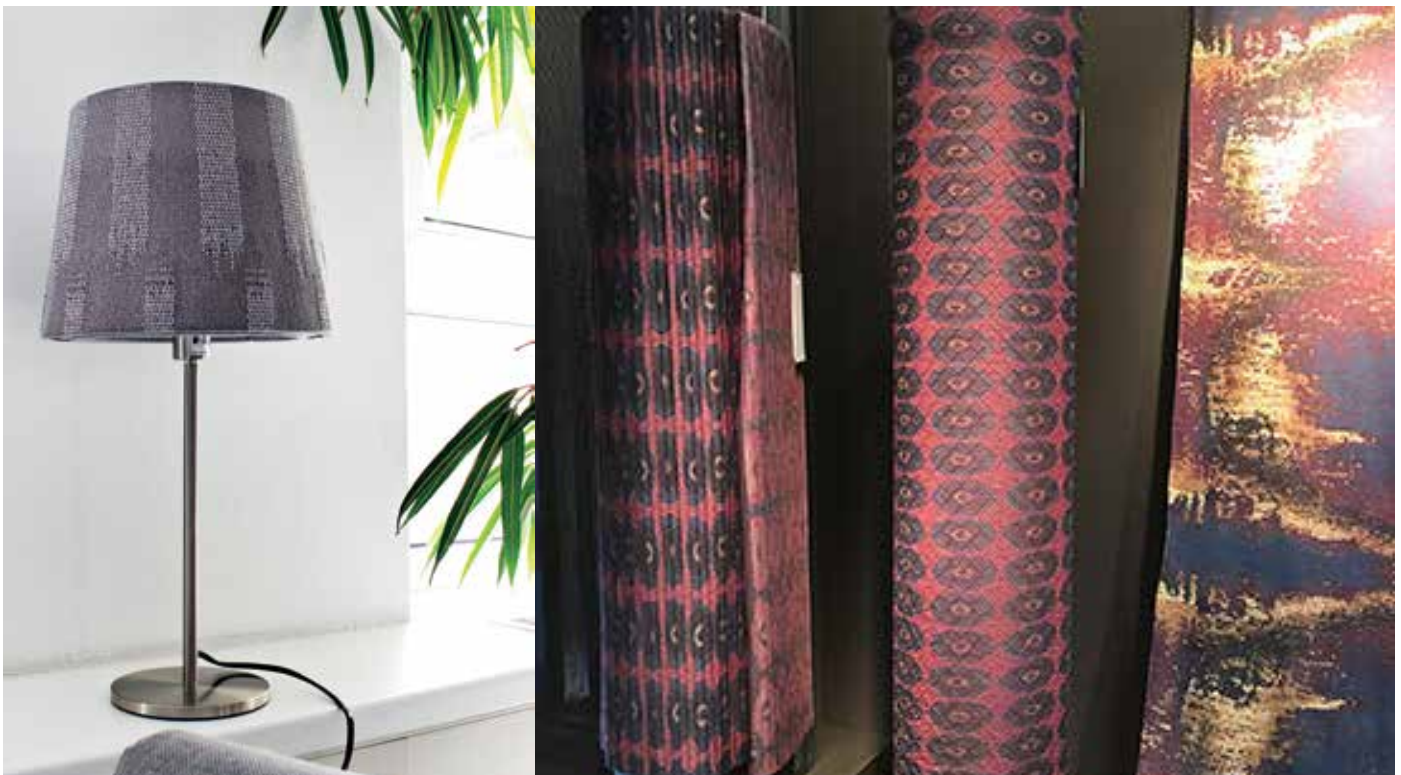
visitors at ITMA and PittiFilati, a new direction for their products. STOLL presented ideas for new product applications to offer interior designers and manufacturers a different point of view. The collection offers diverse knitted home textiles and accessories and accentuates the advantages of the flat-knitting technology e.g. no minimum orders, less yarn and set-up time compared to a weaving loom, waste reduction, product customization and 3D shaping.

### About STOLL

H. Stoll AG & Co. KG, with headquarters in Reutlingen (Baden-Württemberg, Germany) is one of the world's leading manufacturers of flat knitting machines. The long-established company was founded in 1873 and has 1,000 employees around the world. The STOLL brand portfolio includes flat knitting

machines and pattern software that are used to produce fashion and technical textiles. STOLL exports its products to more than 50 countries worldwide. With a network of subsidiaries, sales and service centers and numerous agencies, STOLL offers a fully integrated service package. With innovative developments and state-of-the-art production, STOLL is making a multitude of knitting trends possible. Impressive examples of this are illustrated in the current STOLL Trend Collection.

STOLL has accepted an acquisition offer from the KARL MAYER Group and signed a corresponding contract on February 26, 2020. With the contract, STOLL will become part and new strong brand of the global KARL MAYER Group, an independent family company, from July 1, 2020.



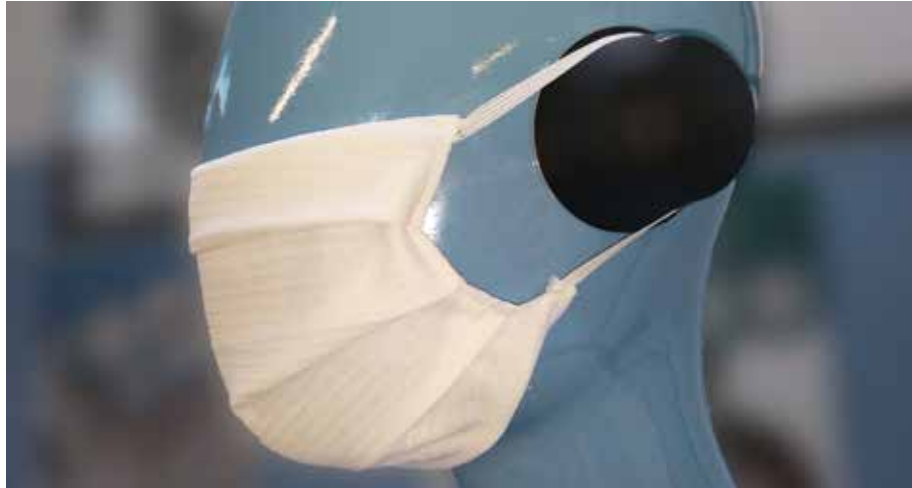
# STÄUBLI

Stäubli International AG  
Corporate Communications  
PO Box 30  
CH-8808 Pfäffikon / Switzerland

Phone: +41 55 416 00 40  
Fax: +41 55 416 00 55  
[corporate.communications@staubli.com](mailto:corporate.communications@staubli.com)



## Machines For Manufacturing Reusable Face Masks



Thanks to COMEZ long standing experience, electronic knitting machines for producing protective face masks are now available. The new containment phase related to the COVID-19 pandemic is a very delicate one, requiring that each of us suitably comply with strict safety standards. As such, companies worldwide have been requested to provide significant quantities of personal protective equipment for their clients, particularly face masks.

Right from the beginning of this emergency, COMEZ has made available to its customers its own technical expertise in the development of machinery designed especially for the production of reusable masks. Today, we are in a position to

guarantee numerous solutions that effectively respond to different requirements, from the manufacturing of elastic bands (round or flat) to the production of complete face masks.

Specifically, we have developed a special configuration for our electronic machines that guarantees the production of face masks complete with an elastic band. Equipped with a long weft device, allows the production of resistant and elastic reusable face masks, suitable to be worn even for extended periods of time. The finished product manufactured on our electronic machines requires only cutting and sewing for its completion. Of course, it is also possible to produce only the elastic bands - both flat, round

or tubular and in different widths - on our mechanical machines. Below we show some samples of elastic bands produced on COMEZ machines: in the first image there are roundish elastic bands produced on crochet machines, the flat elastic bands in the second image are also made on crochet machines and in the third image it is shown a tubular elastic band made on COMEZ 500/6, a machine for the production of chainette cords.

Various COMEZ machine models can be used for all this types of production, all of which offer a high level of versatility. Thanks to the specifications of these machines, article changes can be handled easily, when required by the market.



# KHANTEX International

*The Art of Textiles*

**We deal in Textiles, Home Textiles & Machines**

House 1183, Street 1, G 9/2 Islamabad-Pakistan

Tele: +92 51 2855125, +92 51 2324466, Fax: +92 3009766099

Email: khantextintl@gmail.com

# melco

## EMT16plus



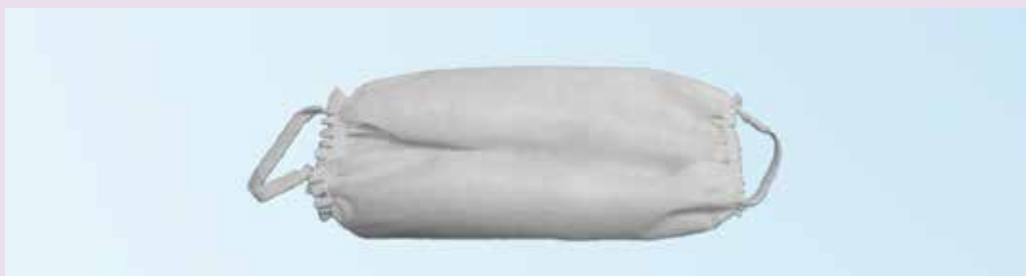
### **Modular Multi-Head Embroidery Machine**

In 2003 Melco introduced the principle of modular production to the embroidery world and stopped to produce conventional multi-head embroidery machines. This was the result of Melco's quest to offer its customers the most productive, flexible and easy-to-use embroidery equipment. To this day, this switch to the modular system has proven extremely successful and there are a lot of very good reasons for it.

## Melco Europe

Contact Person: Roland Karrer, Aurelio Baietta  
Seestrasse 161 0 Steckborn Switzerland

Phone: +41 52 762 16 56  
Email: [info@melco.ch](mailto:info@melco.ch)



www.textiletimes.com



Because advertising matters...  
**Textile Times<sup>®</sup>** TMI



www.textiletimes.com



## A safe working environment thanks to social distancing wearable devices

In Picanol's assembly department in Ieper (Belgium), a new technology, developed by the strategic research center Flanders Make, was introduced. A wearable device guarantees the social distance of 1.5 meters between the workers. "As soon as the Coronavirus crisis arose, we immediately started to make adaptations.

We have changed our work instructions and made sure that different signs were placed. But we wanted to take it one step further and started to look for new technologies that could help

employees to ensure they maintain the social distancing rules. This small device warns our employees when they are coming too close to each other," explains Geert Ostin, Senior Vice President Picanol Group.

**Being close to our customers: it isn't an idle promise!**

The recent global lockdown as a result of the COVID-19 pandemic is clear proof of the importance of having local presence and ensuring we are close to our customers. With borders closed

and air travel shut down, service activities are basically impossible to deliver if you don't have experts strategically positioned throughout the world.

This deliberate choice was made by Picanol not just recently but several decades ago. We heavily invested in building service centers in all of the important textile regions in the world. Now more than ever before, this is really paying off for our customers. Most of our technicians are local people, well-trained and, as we like to say: "just a phone call away". Put simply, we don't have to fly any of



J. Zimmer Maschinenbau GmbH  
Screen & Coating Systems  
9020 Klagenfurt, Ebentalerstraße 133  
AUSTRIA

Phone: +43.463.3848-0  
Fax: +43.463.3848-283  
E-Mail: [sales@zimmer-austria.com](mailto:sales@zimmer-austria.com)





them in from overseas to provide assistance to our customers. Of course, in light of COVID-19, when assisting customers nowadays, our technicians take all of the necessary health measures such as social distancing, the use of a face mask, disinfection, etc. Our first local service and sales organization was Picanol of America, established in the US as far back as the 1960s. This formed the bridgehead for servicing North

and Central America. From there, Picanol China followed and since then we have created Sales & Service centers in Mexico, Brazil, Indonesia, India, and Turkey. Meanwhile, in other significant textile regions, we are able to deploy dedicated Picanol service engineers in close cooperation with our agents. This means that in total approximately 150 technicians made up of more than 30 different nationalities are on

standby to help our customers. They are well-versed in the local customs, they speak the local languages, and they know their counterparts at all of the mills on a personal level. They are also familiar with the functioning of each and every weaving shed in their region and they come to our headquarters in Belgium at least once every year for an in-depth training program on the latest technological evolutions of our



Because advertising matters...

**Textile Times®**  
TMI

Head Office: 1183 House, Street 1 Sector, G-9/2, Islamabad-44000, Pakistan  
 Tele: 0092-51-2855125, Cell: 0092-300-9766099  
 info@textiletimes.com, editor@textiletimes.com, www.textiletimes.com  
 texmachinternational@yahoo.com

# KHANTEX International

## *The Art of Textiles*

We deal in Textiles, Home Textiles & Textile Machinery.  
House 1183, Street 1, G 9/2 Islamabad- Pakistan  
Tele: +92 51 2855125, +92 51 2324466, Fax: +92 3009766099  
Email: khantextintl@gmail.com

**MESUTRONIC**  
Metal Detection made in Germany

## MESUTRONIC

**MESUTRONIC**  
Metal Detection made in Germany

MESUTRONIC Gerätebau GmbH is producing innovative metal detection technology for industrial applications for more than 25 years. Running out of the head office in Kirchberg im Wald, we supply our global customers with sophisticated metal detectors, metal Separators and X-Ray inspection systems. Our passion of innovation drives us to top efficiency again and again, so we can count ourselves to the technology leaders in the field of contamination detection.

In the segments of food, pharmaceuticals, hygiene, plastic, textile, wood and mining we come up with a wide range of products, helping you to protect your production machines and ultimately your customers from unwanted foreign bodies. As an owner-operated company we trust the manufacturing location Germany and its employees since decades. With their energy and know-how our high quality equipment is made possible.



MESUTRONIC Gerätebau GmbH  
Hackenfeld 13  
94259 Kirchberg im Wald  
Germany  
Tel.: +49 9927 9410 0  
Fax: +49 9927 1732  
E-Mail: admin@mesutronic.de





them in from overseas to provide assistance to our customers. Of course, in light of COVID-19, when assisting customers nowadays, our technicians take all of the necessary health measures such as social distancing, the use of a face mask, disinfection, etc. Our first local service and sales organization was Picanol of America, established in the US as far back as the 1960s. This formed the bridgehead for servicing North and Central America. From there, Picanol China followed and since then we have created Sales & Service centers in Mexico, Brazil, Indonesia, India, and Turkey. Meanwhile, in other significant

textile regions, we are able to deploy dedicated Picanol service engineers in close cooperation with our agents. This means that in total approximately 150 technicians made up of more than 30 different nationalities are on standby to help our customers. They are well-versed in the local customs, they speak the local languages, and they know their counterparts at all of the mills on a personal level. They are also familiar with the functioning of each and every weaving shed in their region and they come to our headquarters in Belgium at least once every year for an in-depth training program on the latest

technological evolutions of our weaving machines.

## Milliken & Company adds more Picanol weaving machines

Picanol is proud to announce that Milliken & Company has chosen to continue its longstanding relationship by adding another large group of our latest generation airjet weaving machine, the new OmniPlus-i, for its weaving operations in the Carolinas (United States).

Milliken and Picanol have a history of innovation and partnership that stretches back to the 1980s when



**KLÜBER**  
LUBRICATION

**Klüber Lubrication**  
Deutschland SE & Co. KG  
Geisenhausenerstraße 7  
81379 München  
Postfach 70 10 47

Tel.: +49 89 7876-0  
<http://www.klueber.com>



Milliken purchased its first major Picanol installation consisting of over 400 looms. This partnership continued through the next few decades with additional purchases of several thousand looms. The partnership between Picanol and Milliken has enabled Picanol to be at the very forefront of weaving machine technology in the United States. The decision to purchase the new OmniPlus-i machines was made by Milliken following multiple trials and many months of careful consideration.

Milliken's final decision was based on several factors including the local support offered by Picanol of America Inc. and the general enhancements provided by the machine which resulted in improvements in speed, efficiency and overall versatility. Milliken was the first US customer to purchase a significant quantity of the new OmniPlus-i machines.

### Itema Care & Protect: How to Safeguard and Effectively Restart Your Itema Weaving Machines After Lockdown

Due to the COVID-19 outbreak, in many countries productive activities have been forced to stop their operations. In case this happened to your Company too, Itema prepared some instructions and tips to safeguard your Itema machines during the shutdown period and to be fully prepared to easily and successfully restart weaving operations when possible.

### Together for a better Europe. DORNIER promotes cross-border exchange – Good Practice

Lindauer DORNIER GmbH has been relying on its trainee exchange programme for nine years now and offers its junior employees the opportunity to gain exciting new professional experience in Norway. The international operating family business based at Lake Constance, produces weaving machines and film stretching lines. Every year, the trainees have the opportunity to get to know technical techniques and working methods in Scandinavian companies. DORNIER also accepts Norwegian trainees and thus promotes international exchange.

### Realistic and authentic work for the trainees

In September 2018, nine future (alternativ prospective) mechatronics technicians and industrial clerks travelled to Verdal in Norway for three weeks. At Verdal Videregaende Skole with which Lindauer DORNIER GmbH has a long and successful cooperation, the trainees were welcomed by their Norwegian exchange partners.

After an introduction to the country, culture and the local training system, the trainees were taken to the internship companies. Customer and maintenance orders were waiting for the trainees there.

In organising the internships abroad, great importance was attached to providing authentic work experience. For this reason, the trainees work on site on specific tasks, learn new specialist techniques, have contact with customers and directly experience the coordination process between customers and suppliers. A challenge in which the DORNIER trainees could grow and prove their independence and flexibility.

Of course, there is also plenty of time to discover Norway and its cultural and scenic features. Excursions to fjords and the mountains offer a good opportunity to strengthen the group cohesion and deepen new contacts. This is intensified by shared accommodation in a typical Norwegian wooden house.

*"All participants in the Norway exchange agree: Together for a better Europe is a concept for success" says Martin Kaeß, Trainee Manager.*

### The company also benefits

Furthermore, the trainees learn from the experience exchange with the partners in Norway. They also received an Erasmus+ grant for job shadowing in Norway.



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



Raffa di Puegnago (Brescia - Italy) - Via Masserino 6 - 25080  
Sales offices (Italy)  
E-mail: [vendite@mesdan.it](mailto:vendite@mesdan.it)

Tel. +39 0365 6531.41  
Fax +39 0365 6510.11  
Sales offices (export)  
E-mail: [sales@mesdan.it](mailto:sales@mesdan.it)  
Tel. +39 0365 6531.42  
Fax +39 0365 6510.11

## Orientate magazin in conversation with: Mr Bernhard Wandinger, Head of Product Line Specialty Machines

Through cooperation with the local vocational school staff, it was possible for example to improve instruction in the use of lathe machines. A further step towards the internationalisation of vocational training is taken by teaching the Norwegian trainees. It is a challenge to explain complex processes and technical details to foreign pupils in a foreign language. The training staff at DORNIER is happy to master this task.

As a globally operating company, we appreciate this development very much. The bilateral exchange with Norway not only adds value in terms of expertise and increases the attractiveness of the training company but also leads to a cosmopolitan attitude among all employees. An example is that the motivation for work and assembly assignments abroad has increased significantly for many of them.

“Lindauer DORNIER has been developing and producing film stretching lines for the packaging and plastic film industry since 1955. Today, about a third of all film production systems installed worldwide come from here”

Mr Wandinger is Head of Product Line Specialty Machines at leading biax machinery producer

Lindauer DORNIER GmbH, a position he has held since 2011. Prior to this he held several senior positions within global technology company Voith, most recently as Vice President New Business Development. He holds an Economics degree from the University of Hamburg, Germany, and an MBA from INSEAD, France. Here he talks to Orientate about innovations and developments within Lindauer DORNIER, the global market for film stretching lines and within the wider global biaxially oriented film industry.

**For those less familiar with your company please could you give a brief overview of DORNIER. DORNIER also operates in other industries, could you explain the level of your participation in those industries and contrast them to the biax film industry?**

Lindauer DORNIER GmbH was founded in 1950 by Peter Dornier, son of the aviation pioneer Claude Dornier, at the site in Lindau-Rickenbach, Germany, which remains its headquarters to this day. As the first fruits of his search for a new field of activity, the company began manufacturing shuttle weaving machines for producing woven fabrics.

This was quickly followed by speciality machines, including film stretching lines and drying systems for the paper and board, and building panel industries. Textile finishing machines for circular knitted goods were added to the portfolio in the mid-1960s. The company is organized into three product lines: Specialty Machines (including film stretching lines), Weaving Machines and Composite Systems. Lindauer DORNIER has been developing and producing film stretching lines for the packaging and plastic film industry since 1955. Today, about a third of all film production systems installed worldwide come from here. In terms of system construction, DORNIER is a market leader in the engineering and production of film stretching lines for producing ultra thin plastic films. Besides packaging, particularly for food and pharmaceuticals, these films are used in high-tech products such as semiconductors, capacitors for hybrid vehicles and as film displays for smartphones, flat screens and tablets.

Another mainstay of the business is the manufacture of weaving machines for producing clothing, home textiles and technical textiles with the rapier weaving machine developed in 1967 and the air-



Reiners + Furst GmbH u. Co. KG  
Mr. Benjamin Reiners  
Leibnizstr. 85  
41061 Mönchengladbach  
Germany

Tel.: + 49 (0) 2161 934-0  
Fax: + 49 (0) 2161 834555  
travellers@rundf.de  
www.reinersfuerst.com

jet weaving machine introduced in 1989. These are important milestones in the company's emergence as the only German weaving machine manufacturer of international repute. The DORNIER Composite Systems® line pools decades of experience in the construction of weaving machines and systems for manufacturing plastic films with products including the P1 roving weaving machine, 3D weaving machine, tape production line and tape weaving machine.

With its three product lines, DORNIER has earned its place as a global technology leader. In 2017, the family-owned German company with around 1,000 employees (including 60 trainees) recorded order receipts totalling around EUR280 million. All machines and systems are manufactured in the German factories at Lindau and Essersweiler with approximately 90 percent of the company's output exported.

**What is your USP (unique selling proposition), what differentiates Lindauer DORNIER from other film stretching line manufacturers? What value added features do you offer?**

Film stretching lines by DORNIER with a total length of up to 150 meters and production speeds as high as 600 metres per minute are 100 percent "Made in Germany". In keeping with our company slogan "Quality Creates Value", our claim is that

we deliver products of the highest possible quality, durability and manufacturing versatility. Because we are so completely convinced of this claim, our vertical range of manufacture is in the order of 90 percent: This means DORNIER not only manufactures complete film stretching lines entirely in-house, but also the associated components, such as the extruders, castingsystems, longitudinal stretching machines, transverse stretching and heat setting machines, post-stretchers, transfer sections and take-up devices. The only components bought in from suppliers are winders, cutting machines and drive and control systems and the like.

Another unique feature is that the systems are always configured to reflect the specific application. This means the equipment differs from one machine to another, and in some cases quite substantially. You could say "No DORNIER film stretching line is the same as any other" because each is developed and built in close consultation with the customer to match his specific need, experiences, requirements and wishes. But all machines and systems made by DORNIER have two things in common: their high quality standard and extremely high reliability.

**The USPs of DORNIER film stretching lines include:**

- The oven, and particularly its high heat transfer, the good consistency of the airflow and low wear of the clip chain

- The faster average line speed
- The in-house fabrication, which is usually shown to customers and is very warmly appreciated
- Flexibility and quick grade changeovers

Customers who order a film stretching line from DORNIER expect faster production speeds with the same high film quality and startup help and service. The lines are designed to allow their operators to respond quickly and flexibly to changing market conditions. DORNIER customers value the quality and durability of the film stretching lines as well as the personal commitment of sales and engineering staff, and the family connection. The company's international profile is essential for success in the business of film stretching lines; At the same time, customers also respect the fact that as a family-owned company DORNIER has a long tradition of producing such machines. This makes for an experienced, reliable, constant partner. DORNIER cultivates its own continuous innovation process by constantly refining many details and cooperating and consulting closely with its customers.

**To successfully sell relatively expensive, complex equipment it is imperative you fully understand the business of your customers. Over the past five years what have been the biggest changes**



Stäubli International AG  
Corporate Communications  
PO Box 30  
CH-8808 Pfäffikon / Switzerland

Phone: +41 55 416 00 40  
Fax: +41 55 416 00 55  
corporate.communications@staubli.com



## or challenges facing your film stretching line customers?

In recent years margins have generally fallen, including those for some speciality films, and it has become increasingly difficult to achieve good margins by differentiating the portfolio. Closely connected to this is the existence of overcapacity for some film types in some areas, which is a major challenge for film producers. Questions regarding sustainability and the environment are currently a major challenge for film producers, and are probably here to stay.

## Which countries do you see as offering the strongest growth prospects for biax films in the coming years?

Certainly we see a lot of demand coming from India and China, and we expect this to continue going forward.

## In recent years China has seen a huge amount of investment in new film lines. Do you think this investment trend has now run its course, or are you still seeing a lot of interest and demand in China?

Besides the standard lines for packaging film, China also has many systems for manufacturing thicker films for industrial applications from low to high profile applications. DORNIER systems are preferred for this as they offer some unique design features, which enable our customers to produce high-quality film with unique physical

properties. The amount of investment has certainly been huge, but also the demand has gone up. For certain film types, there is probably some saturation, but for other film types the increase in demand seems to be fairly constant for the time being.

## How do you see the industry developing in the future? How do you think the market will develop and how will this effect Lindauer DORNIER?

There are several trends, which are connected to the question of sustainability. The recycling and recyclability of plastics is going to grow in importance. This may affect the type of raw materials and the combination of different materials in plastic films. Despite the negative image of plastic that is currently emerging around the world, the demand for biaxially stretched films will continue to grow, however waste management will also undergo some major changes.

## What features/changes are your customers asking for in the development of your film stretching line technology and does it vary from region to region?

A global trend is the interest in energy efficiency. With regard to the different regions, our experience is that India is mainly interested in high outputs/high efficiency, while other countries such as Japan and increasingly China are looking to produce film of high/ the highest quality.

## In order to get the best from their film stretching lines, what advice would you give film producers?

There is not one special piece of advice we can give, because film producers are subject to quite different boundary conditions. Certainly, it helps if the line can be designed exactly according to the needs of the film producer. Furthermore, the film producer should keep in mind that a new line is going to produce film for many years to come, which underlines the importance of reliability in equipment and service.

## How is the BOPET industry faring in comparison to BOPP? Do you see more interest in BOPET investment than BOPP or other biax materials at the present time? Are the trends/interests different in different parts of the world?

Clearly the investment cycles of BOPET and BOPP lines are not completely synchronized. The demand for film stretching lines at any particular time is not only dependent on the current demand for that film type but also on the amount of previously installed capacity. On average, the demand for both BOPET and BOPP lines grows steadily and according to our perception at comparable rates.

Yes, there is some difference in the usage of BOPET and BOPP in the different regions of the world (e.g. India being slightly biased towards BOPET while China towards BOPP) however,



Loepfe Brothers Ltd.  
CH-8623 Wetzikon/Switzerland  
P.O. Box 582

Phone +41 43 488 11 11  
Fax, +41 43 488 11 03  
E-mail: [info@loepfe.com](mailto:info@loepfe.com)  
<http://www.loepfe.com>

the properties and applications of the two film types are different, which means they are not really interchangeable and that is why both film types have happily coexisted together a long time.

**What do you perceive to be the biggest barriers to innovation in biax film?**

It is always a challenge to upscale results from lab experiments to production conditions, however innovation is taking place all the time.

**In the past the development of the biax industry was fed by processing innovations combined with chemical developments from the polymer industry. To what extent are the raw material suppliers assisting in the growth and development of the biax film industry today?**

The raw material suppliers play a key role in some cases (BOPP) and less so in other cases (BOPET). Growth and innovation will increasingly be influenced by raw material design and this includes optimizing the raw material to enable higher line speeds, developing novel material for speciality products (e.g. matte films with higher matte effect), and making available recycled material as raw material for the film stretching process.

**What factors drive the purchasing decision and what considerations need to be taken into account when choosing what lines to purchase?**

Both a quick Return of Investment as well as long-term economic prospects play a role. Apart from that there are many other factors which however are not specific to the film stretching business such as location factors. The occurrence of investment cycles is currently seen more clearly than ever.

**While biax lines have become faster and wider, the basic technology is much the same as that originally developed 40 years ago. What new developments can we expect to see in biax lines of the future?**

DORNIER has unveiled a number of major innovations over the last 40 years. Perhaps one of the most impressive examples is the "Penthouse", which is the area above the actual oven, in which the air is heated and mixed, and pressure is built up. Another very current example is the new air guidance system, for which a patent has been filed. The various clips are also worth mentioning as the DORNIER clip technology ensures best design for lowest maintenance cost.

Certainly, a modern film stretching line looks very different from a line from 40 years ago and a line 40 years from now will again look very different. In what specific way, however, remains to be seen. Regarding line speed and width, modern film stretching lines have reached dimensions which will not be easy to extend. On the other hand, the same was thought in earlier times, when

the output was much smaller. Key development aspects for the near future include efficiency (regarding energy, raw material), integration/inter-connection of all parts, and flexibility.

**The leading biax film stretching line producers are all European companies and in other regions of the world film extruders are often reliant on imported technology like yours. Do you expect viable equipment manufacturers to emerge in other regions in the future?**

There are some Asian producers of film stretching lines, however, due to the combination of high complexity and the relatively small number of lines sold, the number of film stretching line producers is rather limited. The complexity of a biaxial film stretching line can easily be underestimated. Furthermore, the lines are expected to run for many years, and a reliable and experienced partner that offers long-term service and support is something appreciated by many film producers.

**What trends do you see in flexible packaging that are likely to have an impact on equipment needs? Which end use applications are driving demand?**

There is a trend towards further optimizing all kinds of different film properties, for instance mechanical properties, barrier, optical properties, etc. In terms of applications, it is interesting



SDL Atlas Hong Kong  
Hong Kong  
3J, Garment Centre, 576 Castle Peak Road,  
Kowloon, Hong Kong

P:: +852 3443 4888  
F: +852 3443 4999  
E: info@sdlatlas.com.cn

to observe the wide variety of uses for biaxially stretched films. Nevertheless, a main driving factor is still its use as a flexible packaging material for food.

With film producers and converters ever more aware of driving production efficiencies and profitability coupled with increasing focus on sustainability and waste reduction, as an equipment manufacturer how are you responding to these challenges?

For us it is very important to understand and implement the demands our customers have. We devote a great deal of development to further optimizing production efficiency without compromising

on environmental issues. In fact, nowadays almost all the waste produced within a film stretching site is reused as raw material.

What are your expectations of biax film producers and how can they best support your activities? If you could change or improve one aspect of how biax film producers interact with you, what would that be and why?

We as film stretching line manufacturers are not in a position to tell the film producers how to act and interact with film stretching line manufacturers. That being said, we think it is always beneficial for both sides if the interaction is close and trusting.

Given your long-term involvement in biax film, what keeps you passionate about the industry?

It is very pleasing to see how certain film manufacturers have grown steadily to become global players, and how this success has often been based on DORNIER lines in terms of equipment. The long-term partnership that often results from a first project is appealing, and something special to the industry. From a technological point of view, the film stretching process may appear to be simple at first sight but is in fact incredibly rich, versatile, and fascinating. In the production of a simple biaxially stretched film there is a lot of technology involved and all the pieces have



# DORNIER

Lindauer DORNIER GmbH  
Rickenbacher Str. 119  
88131 Lindau  
Deutschland

Tel.: (+49 8382) 7 03-0  
E-Mail: [webmaster@lindauerdornier.com](mailto:webmaster@lindauerdornier.com)  
<http://www.lindauerdornier.com>



# Non-stop innovation in quality management

Why the tenth birthday of the USTER®QUANTUM 3 yarn clearer is worth celebrating

Uster, Switzerland

**27<sup>th</sup> May 2020:** Ten years ago, it seemed like a ground-breaking innovation in yarn clearing technology. But that was only the start, and USTER's ambitions for its world-leading QUANTUM 3 series have never stopped growing. Spinners have been presented with a whole series of impressive developments – each one a big step in expanding the possibilities, from quality control at winding to 'smart' clearing, contamination control, mill optimization and even preventing faults from occurring at source.

"USTER®QUANTUM 3 featuring Smart Clearing Technology" was the headline in 2010 when USTER launched its third generation of yarn clearers. "It was an exciting time for me, introducing the first yarn clearer with automatic clearing limit proposals based on the Yarn Body concept," says Sivakumar Narayanan, at that time the USTER product manager for yarn clearing.

Powerful processing electronics made it possible for the system to display the full yarn body – an outline of the 'normal' yarn with its expected and tolerable natural variations. Since then, the term

Yarn Body has become a well-recognized and easily understood descriptor in the industry. Today, spinning professionals readily envisage the familiar green arrowhead symbol within a varying dark green frame as an essential element of the classification matrix.

## Continuous development

This year, it's worth celebrating the 10<sup>th</sup> anniversary of USTER®QUANTUM 3 – but not only as the ground-breaking third generation of a best-selling clearer system. What's even more notable is its continuous further development during the past decade. Trailblazing progress in quality assurance technology now allows textile manufacturers to optimize production efficiency and reduce costs continuously, taking advantage of several beneficial extras with USTER®QUANTUM 3. The development of Smart Clearing Technology, for example has been a massive leap, providing an indispensable tool for quality-oriented spinning plants.

The new yarn clearer was a game-changer in many ways: it 'learns' everything needed about the running yarn in just two minutes, then – using built-in USTER know-how – it proposes suitable clearing limits to achieve the

required quality level. That means the same reliable quality level is achieved with contamination control for vegetable matter or polypropylene. Each issue is solved with a dependable clearing solution – even for severe problems such as periodic faults.

Once these highly sophisticated 'basics' were in place, USTER®QUANTUM 3 development focused on challenges with trend-related quality control, introducing two unique features in 2015. Irregularities in shade could now be detected and cleared in mélange and colored yarns, for better fabric quality. And the Core Yarn Clearing feature effectively eliminated the risk of fabric rejects through defective sections of these yarns – where the inner elastane component was either missing or off-center.

## A 'grown-up' partner

As grown-up technology, USTER®QUANTUM 3 was ready to play a major part in all-round production optimizing. Yarn clearer data enables quality and cost to be balanced for best-possible profitability – and this is combined with data from USTER®JOSSI VISION SHIELD to achieve Total Contamination Control, with precisely-controlled contamination levels. "Our



Itema S.p.A.  
Via Cav. Gianni Radici 4  
24020 Colzate (BG), Italy

Tel +39 035 728 2111  
Fax +39 035 740 505  
www.itemagroup.com



customers value the integrated solution to manage remaining contaminants in yarns at minimum possible cost,” says Sivakumar Narayanan – in the meantime also himself ‘grown-up’ into the position of Executive Vice-President for Marketing and Business Development at USTER.

Extending the partnering of systems still further, the yarn clearers connect with data from USTER®SENTINEL to create the Ring Spinning Optimization Value Module. This offers optimization potential at the most costly stage in yarn manufacturing. For the first time, mills can intelligently correlate ring quality data and winding quality data in a single system. Smart alerts report deviations in ring spinning machines or changes in essential conditions such as relative humidity and temperature.

### Smart, smarter...preventive

Still not satisfied, USTER product developers wanted to transform ‘smart’ yarn clearing into ‘preventive’ yarn

clearing. The combination of USTER®QUANTUM 3 and USTER®SENTINEL creates a quality security tool, which stops off-standard quality yarn being produced at source, when the ring spinning optimization system is equipped with the Roving Stop feature. USTER®ROVING STOP effectively becomes a function of the ring spinning machine, just as the yarn clearer does in winding.

The appropriately-named USTER®RSO 3D adds a further third dimension – by providing individual cop quality data for each spindle position. Quality mapping along the ring spinning frame maximizes the optimization potential, while preventive measurements are in place at spinning and winding. Waste of raw material and costly clearer cuts can both be managed preventively and automatically, thanks to a bi-directional exchange and analysis of data between USTER®QUANTUM 3 and USTER®SENTINEL. This benefit is enabled using USTER®

QUANTUM EXPERT and Muratec QPRO EX/FPRO EX with Spin Inspector. Thus, the USTER®RSO 3D system achieves the ultimate goals of process optimization and traceability.

An impressive history over its first decade, but even more can be expected from the USTER® yarn clearer and ‘friends’ in future...

### About Uster Technologies

USTER is the world’s leading provider of quality management solutions from fiber to fabric.

Uster Technologies offers high-technology instruments, systems and services for quality control, prediction, certification and optimization in the textile industry. This includes systems for quality management, laboratory testing and in-line process control for fibers, staple and filament yarns, fabric inspection as well as value-added services.

USTER provides the globally-acknowledged USTER®STATISTICS benchmarks for trading, textile know-how training, consulting and worldwide after-sales services – always aspiring to fulfill the textile market’s needs, to drive innovation forward with ‘quality in mind’.

**KAESER**  
**KOMPRESSOREN**

KAESER KOMPRESSOREN SE  
Carl-Kaesler-Str. 26  
96450 Coburg, Deutschland

Tel.: +49 9561 640 458, Fax: +49 9561 640 5137  
Internet: <http://www.kaeser.com>

# Strategic transformation underway at Loepfe

Loepfe Brothers Ltd. announced today its intention to restructure and refocus its business over the next three months in order to align with the changed market conditions and to further leverage digital technologies. Plans to release the next in a series of new solutions in Quarter 4/2020 remain unchanged.

The business will be transformed in the medium- to long-term by diversification, expanded business portfolio and increased efficiency along with an accelerated digitalization program.

Among the organizational changes made to support these objectives will be an increased emphasis on customer needs driven by Silvano Auciello as head of a new combined sales and customer support setup. In a move to strengthen the focus on products

and solutions, Guido Wieland becomes responsible for leading a joint product management, applications and marketing team. Furthermore, Sylvie Hunziker has been appointed to drive and shape the digital landscape and processes within Loepfe, next to her already established lead of the production department. Meanwhile, as announced in May, the R&D team has already been supercharged by the appointments, as joint heads, of Thomas Schlegel and Roger Hilzinger, capitalizing on their deep specialist know-how and experience to ensure the flow of latest technology products through the pipeline. Further internal changes aim at reinforcing Loepfe's high Swiss quality standards across the whole product range.

Loepfe CEO Dr. Ralph Mennicke commented: "We live in a world

where change is a standard feature of our lives. It is important that we embrace and actively drive these changes by continually questioning things and redefining our offering to harness the benefits of the fast-moving environment for our customers and our business. My thanks go to each of the aforementioned for taking up the new challenges along with our teams, and I look forward to our exciting journey together."

Loepfe Executive Chairman Alexander Zschokke added: "With this announcement today, the Loepfe and Savio Groups are investing not only in our business, but also in our people. The work they are now undertaking will future-proof the company and ensure it remains the leading specialist in its field for many years to come."



Silvano Auciello



Sylvie Hunziker



Guido Wieland



VANDEWIELE  
Michel Vandewielestraat 7  
8510 Marke  
Belgium

Tel: +32 56 24 32 11  
Email: [info@vandewiele.com](mailto:info@vandewiele.com)  
[www.vandewiele.com](http://www.vandewiele.com)



# Magnetic attraction of the Montex®Coat



Monforts reports increasing success with its latest fully integrated Montex®Coat finishing lines.

A typical integrated Monforts coating line is automated from the inlet feed to the winder and includes weft straightening, the Montex®Coat coating device, Montex TwinAir drying chambers, an Eco Booster heat recovery system and a cooling zone, with visual touchscreen control via the proven Qualitex system and full

teleservice access, along with a new hand-held device.

A number of doctor blade options are available for the Montex®Coat coating unit, including air knife, roller knife, magnetic roller and foam coating, in addition to screen printing.

The company also provides fully explosion-proof lines for solvent-based coatings and for high-temperature processes up to 320°C, such as for PTFE sintering.

## Wide widths

There has been a notable adoption of magnetic roller coating technology, the company, which is headquartered in Mönchengladbach, Germany, notes – especially by technical textiles and nonwovens manufacturers who are finishing wide-width materials.

With this option, it is possible to carry out applications such as full PVC coatings, pigment dyeing or

**USTER®**  
Think quality

Uster Technologies AG  
Sonnenbergstrasse 10  
CH-8610 Uster  
Switzerland

Phone: +41 43 366 36 36  
Fax: +41 43 366 36 37  
info@uster.com

minimal application surface and low penetration treatments

Typical products this technology is eminently suited to range from tents and awnings, black-out roller blinds and sail cloth to automotive interior fabrics and medical disposables.

“Magnetic roller coating allows a wide range of coatings and finishes to be carried out, while being easy to handle for operators and much easier to clean at the end of the process,” explains Jürgen Hanel, Monforts Head of Technical Textiles.

“As important as anything, however, is the coating uniformity it guarantees, with no difference in tension across the entire width of the fabric – which is particularly important when companies are operating at wide widths.

With traditional dip coating systems, he adds, as well as with many standard knife coating technologies, there is always a difference in the tension – and hence the amount of pressure with which the coating is applied – between the centre and the edges of the wide width fabrics being treated. With the use of a magnetic roller, there is no difference in the pressure being applied anywhere on the fabric.

“Our magnetic roller technology provides textile finishers with an expanded range of options due to the fully-adjustable positioning of the magnet within



the roller,” explains Hanel. “With four different magnet positions possible, the roller can be set to operate both as a direct coating system and as an indirect coater. We recommend the use of this technology for companies working with fabrics of over 2.4 metres.”

Adjusting the roller surface, rather than changing the finishing formulation, to match the required add-on and viscosity for each coating effect required, leads to much higher output from the line, he adds.

### Hand-held control

Furthermore, adjustments can now be made simply and easily with the new hand-held remote controller which has recently been introduced for the Montex®Coat unit.

“This is a really big help because making adjustments manually

was previously quite time consuming and operators had to move between the fixed control panel and the position of the adjustment constantly,” Hanel says. “It also allows an operator to check that the knife is precisely positioned by simply holding the device in the position where he or she can see and measure the gap. With the device the motors can be controlled and the necessary adjustments carried out.”

Also offered as an option for the Montex®Coat is a carbon fibre roller for meeting even the highest level of coating accuracy that is being demanded by the most exacting customers today.

This provides the extreme stiffness necessary to deal with the winding tension required in the processing of materials such as prepreps for composites and other heavyweight fabrics, but at the same time, a significant improvement in

# TRÜTZSCHLER

Trützschler GmbH & Co. KG  
Textilmaschinenfabrik  
Düvenstr. 82 - 92  
41199 Mönchengladbach  
Deutschland

Tel.: (+49 2166) 6 07-0  
E-Mail: [info@truetzschler.de](mailto:info@truetzschler.de)  
<http://www.truetzschler.com>





coating accuracy is achieved, even for very lightweight flexible materials. In addition, the surfaces of the rollers are protected against both abrasion and damage from aggressive chemicals by a special ceramic coating.

“We continue to focus on incremental improvements to our technologies to better serve our customers – and with our Montex®Coat we have a most versatile product in our portfolio.” said Monforts vice-president Klaus Heinrichs.

## Major order for BRÜCKNER for several glass fibre finishing lines from Belarus

The company JSC POLOTSK STEKLOVOLOKNO, founded in 1958 and based in Belarus, has been among others a world market leader in the production of glass fabrics for decades. The wide variety of products from glass fibre to glass yarn, electrical insulation and construction glass fabric, glass mesh and silica materials enables STEKLOVOLOKNO to be successful in many branches of industry. These include mechanical engineering and

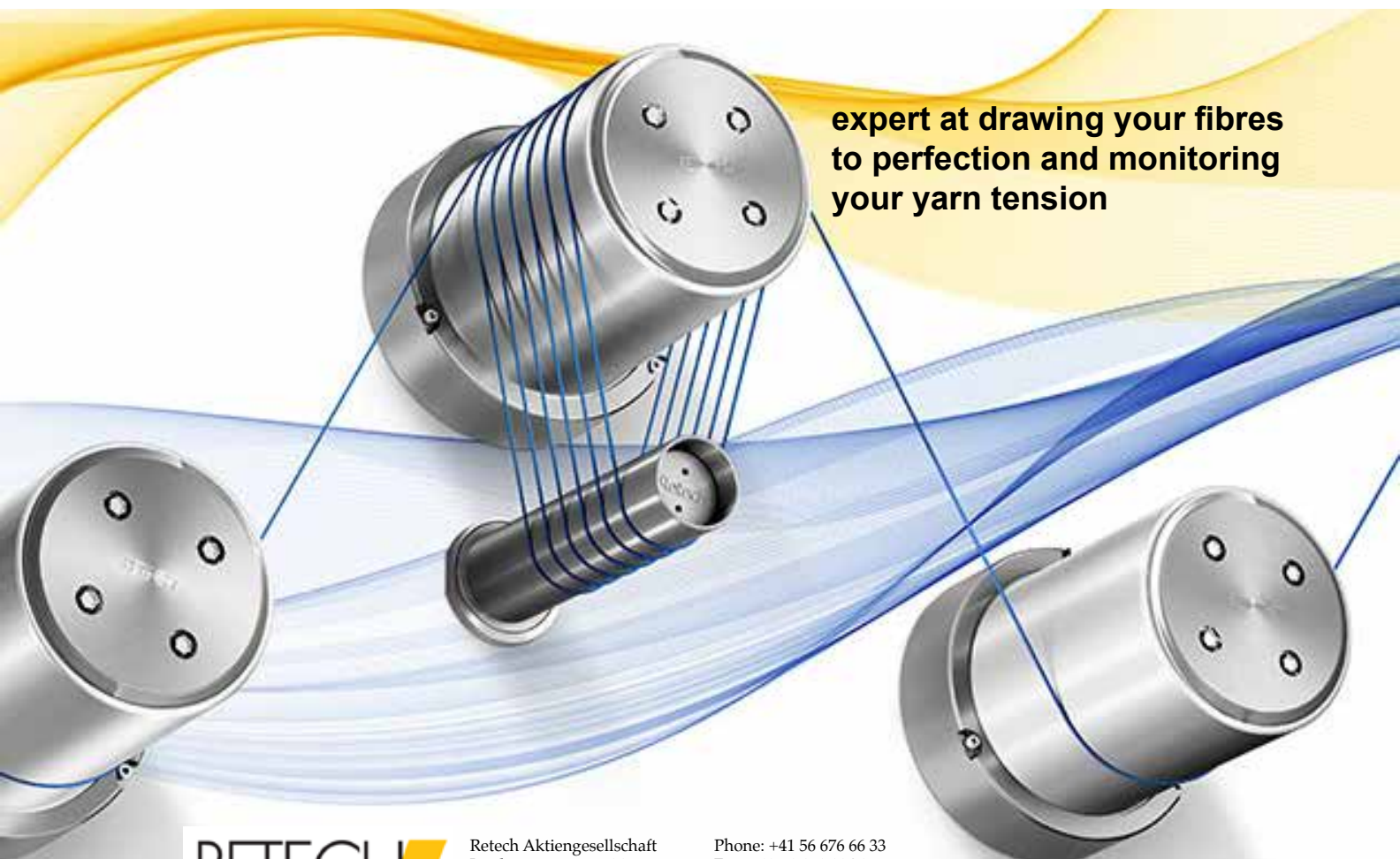
shipbuilding, automotive and aircraft industry, electro-technical industry, metallurgy as well as the military and construction industry. Every year, the Belarusian company processes around 55,000 tonnes of glass fabric for over 900 different end products. For the thermal finishing, caramelization and desizing of glass fibre, several lines have recently been ordered from the German machine manufacturer BRÜCKNER. The family-run



Verband Deutscher Maschinen- und Anlagenbau e.V.  
Lyoner Strasse 18  
60528 Frankfurt/Main  
Postfach 71 08 64, 60498 Frankfurt/Main

Telefon +49 69 6603 0  
Fax +49 69 6603-1511  
E-Mail: [boris.abadjieff@vdma.org](mailto:boris.abadjieff@vdma.org)  
Internet: <http://txm.vdma.org>





expert at drawing your fibres  
to perfection and monitoring  
your yarn tension

**RETECH**

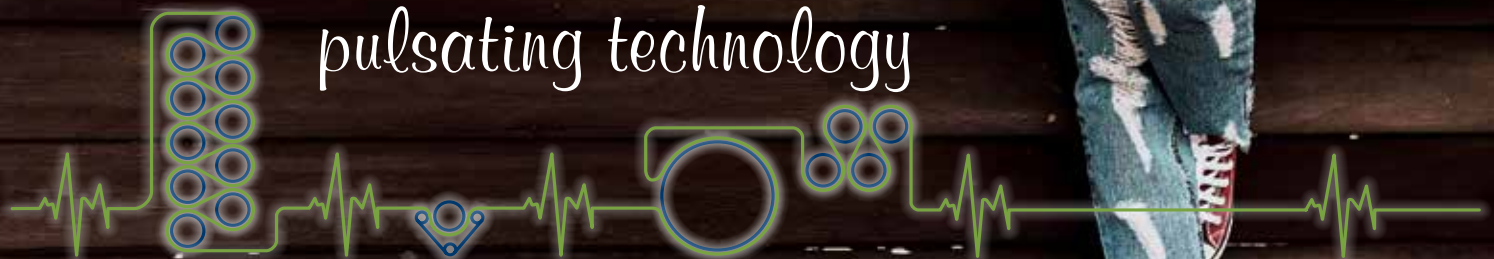
Retech Aktiengesellschaft  
Lindenmattstrasse 16  
CH-5616 Meisterschwanden  
Switzerland

Phone: +41 56 676 66 33  
Fax: +41 56 676 66 36  
Email: [info@retech.ch](mailto:info@retech.ch)  
[www.retech.ch](http://www.retech.ch)

 **BRÜCKNER**

Tailor-made solutions  
for denim finishing...

...with  
pulsating technology



Our focus in denim finishing is minimizing the use of chemicals,  
energy and process time while retaining impeccable fabric quality.



[www.brueckner-textile.com](http://www.brueckner-textile.com)



Picture from the left: Mathias Strecker (Brückner Sales), Oleg Kurilin (General Director Steklovolokno), Regina Brückner (Owner Brückner), Hanna Padalitsa (Project Manager Steklovolokno), Yury Kasianov (Commercial Director Steklovolokno)

The company JSC POLOTSK STEKLOVOLOKNO, founded in 1958 and based in Belarus, has been among others a world market leader in the production of glass fabrics for decades. The wide variety of products from glass fibre to glass yarn, electrical insulation and construction glass fabric, glass mesh and silica materials enables STEKLOVOLOKNO to be successful in many branches of industry. These include mechanical engineering and shipbuilding, automotive and aircraft industry, electro-technical industry, metallurgy as well as the military and construction industry. Every year, the Belarusian company processes around 55,000 tonnes of glass fabric for

over 900 different end products. For the thermal finishing, caramelization and desizing of glass fibre, several lines have recently been ordered from the German machine manufacturer BRÜCKNER. The family-run company located in Southern Germany has been producing lines for the textile industry as well as for technical applications for more than 70 years. In the field of glass fabric finishing, market-leading manufacturers trust in BRÜCKNER technology since decades. The delivery of the lines to Belarus is planned for end of the year 2020. Hanna Padalitsa, project manager at Steklovolokno, is very satisfied. „We have known BRÜCKNER

since the late 90s and already then had successful and good experience in working together. At that time BRÜCKNER supplied us with one line for finishing electrical insulation glass fabric which is still in operation today at our Polotsk site. We are happy to continue this excellent cooperation with BRÜCKNER and ordered several lines from this family-run company. We are convinced that the whole BRÜCKNER team will demonstrate the highest level of professionalism, ensure the best quality of the lines we ordered and provide an extraordinary technical and after-sales service as they always do and for which the company is known worldwide.



**BRÜCKNER Trockentechnik  
GmbH & Co. KG**  
Benzstrasse 8-10 / PO Box 11 54  
71229 Leonberg / 71201 Leonberg

Phone: +49 7152 12 0  
Fax: +49 7152 12 9254  
E-Mail: [mail@brueckner-textile.com](mailto:mail@brueckner-textile.com)





# Dow unveils binder for waterborne textile printing inks

Dow has launched a new generation hybrid binder for formulation of waterborne screen printing inks achieving superior durability, colour brightness and opacity on fabrics made of synthetic and natural fibres for the growing streetwear and sportswear markets. The Dowsil Print 041 Textile Printing Ink Binder is an innovative acrylic polyurethane hybrid material.

“With boundaries between outdoor and fashion apparel getting vaguer, Dowsil Print 041 Binder helps inks formulators and screen printing shops meet key customer demands for soft hand feel and bright colours that don’t crack, fade or run, while controlling processing costs and achieving superior durability,” said Padmadas Nair, senior technical service and development leader for textiles at Dow.

“As the fashion industry adopts production practices and materials with reduced environmental impacts to meet tightening regulatory requirements and sustainability commitments, Dow’s innovative printing ink technology can help leading

brands to combine stylish look, easy-care, durability, profitability and sustainability.”

Dowsil Print 041 Textile Printing Ink Binder enables drop-in, waterborne alternative formulations to conventional textile printing inks, combining high performance, cost-effectiveness, and superior sustainability profile.

Inks formulated with Dowsil Print 041 Binder combine ease of use in existing screen printing equipment, with superior adhesion and high image opacity in both synthetic fabrics and cotton. Printed textiles display excellent resistance to elongation, as well as high washing, rub, and ironing fastness compared to conventional alternatives to PVC inks.

Brand owners and regulatory bodies in Europe, North America and around the world have been progressively restricting the use of textile inks containing PVC and phthalates based on health and environmental concerns over the past several years.

Frauke Baltruschat, EMEA marketing manager for textiles

at Dow, and Padmadas Nair will present the specifics of this novel hybrid binder technology and demonstrate its performance attributes in screen printing ink formulations during a dedicated webinar on Wednesday July 22, 2020 at 2 pm Continental Europe Time.

Dow combines global breadth, asset integration and scale, focused innovation and leading business positions to achieve profitable growth. The company’s ambition is to become the most innovative, customer centric, inclusive and sustainable materials science company.

Dow’s portfolio of plastics, industrial intermediates, coatings and silicones businesses delivers a broad range of differentiated science-based products and solutions for its customers in high-growth market segments, such as packaging, infrastructure and consumer care. Dow operates 109 manufacturing sites in 31 countries and employs approximately 36,500 people.



www.textiletimes.com



23rd Years of Success

Because advertising matters...  
**Textile Times**<sup>®</sup>  
 A Monthly Magazine



www.textiletimes.com



# AATCC to host webinars on innovative business practices

AATCC (the American Association of Textile Chemists and Colorists) is set to host two live webinars on innovative business practices, in order to keep the business thriving and growing in difficult times. The association provides test method development, quality control materials, education, and professional networking for a global audience.

Dan Adams, president of the AIM institute will present the webinar 'Drive Organic Growth with B2B-



optimised Customer Interviews, on June 29, 2020. Participants can learn how to put your B2B advantages to work, so they can go beyond 'hand-me-down' consumer voice-of-customer methods. Great interviewing leads to better customer insights and then superior new products, and ultimately rapid, profitable, and sustainable growth. Adams will share AIM's latest methods for conducting interviews without a plane ride. It will talk about ten advantages of 'Virtual Voice of Customer (VVOC)' and eight tips for becoming a VVOC pro, according to an AATCC press release. Adams will present the

second webinar 'How to Reduce Risk in Major R&D Projects with Confidence?' on July 23, 2020. Adams and his team have recently developed a whole new approach to managing large, high-impact R&D projects. With this method, one can confidently uncover and defuse landmines that blow up schedules, projects, and careers. Adams is a chemical engineer and holder of many patents and innovation awards, including a listing in the National Inventors Hall of Fame. One of the foremost experts in B2B innovation, he has taught B2B professionals in every region of the world in hundreds of workshops. An

award-winning speaker, he has lectured at Wharton's Executive MBA programme and other North American and European universities and is a popular industry keynote speaker. Kelly Lawrence, the moderator of the webinars, is the founder and CEO of Lawrence Innovation, helping numerous B2B innovation teams accelerate growth. The registration fee for each webinar is \$149 for non-members and \$99 for members (both individual and corporate).



Jagenberg Textile GmbH & Co KG  
Schwalmstr. 301  
41238 Mönchengladbach  
Deutschland

Tel.: (+49 2161) 5 99 73-0  
E-Mail: [info@jagenberg-textile.com](mailto:info@jagenberg-textile.com)  
<http://www.jagenberg-textile.com>

# Global Digital Textile Printing Market to Reach \$8.8 Billion by 2027: Allied Market Research

Allied Market Research 05.20.20

According to a new report published by Allied Market Research, titled, "Global Digital Textile Printing Market by Ink Type, Substrate, Application: Global Opportunity Analysis and Industry Forecast, 2020–2027," the global digital textile printing market was valued at \$2.2 billion in 2019 and is projected to reach \$8.8 billion by 2027, growing at a CAGR of 19.1% from 2020 to 2027.

Digital textile is an inkjet-based method that allows manufacturers to print different designs that can be virtually made on any kind of fabric. The inks used in digital printing are manufactured according to the type of fiber, such as cotton, silk, or polyester. During digital printing, the fabric is fed into the printing device using a roller.

The process involves adding ink to the surface in the form of small droplets. After that, the fabric is then finished by using either or steam or heat treatment to increase efficiency. Additionally, some inks need washing and drying. Due to technology changes, manufacturers are showing more interest in digital printing rather

than dyed fabrics. There is a growing demand for digital textile printing inks especially reactive inks and acid inks coupled with an upsurge in the use of digital printing as an alternative to conventional printing methods. Reactive inks are widely used in the textile industry due to the good quality of colors and high wash fastness.

Acid inks are used for printing on wool and silk to make swim clothing due to its high tolerance for chlorine and saltwater. These factors are in turn expected to drive the growth of the global digital textile printing market. Moreover, the growing application of textile printing in vehicle wrapping, automotive interior decoration is anticipated to boost the segment growth in the automotive sector.

On the basis of ink type, the market is segmented into reactive, acid, direct disperse, sublimation, pigment, and others. Reactive ink accounted for significant revenue share in 2020 in the global digital textile printing market, owing to its demand in the traditional textile printing industry. Reactive inks are highly flexible and are widely used to print on natural rubbers including cotton. Thus the demand for high-quality reactive

inks is presently driving the market for digital textile printing.

On the basis of substrate, the global digital textile printing market is categorized into cotton, silk, polyester, and others.

The cotton industry accounted for the largest market share and is also expected to be the fastest-growing segment during the forecast period. On the basis of application, the global digital textile printing is categorized into clothing/garments, households, technical textiles, display, and others.

The clothing/garment industry accounted for a significant market and is also expected to be the fastest-growing segment during the forecast period. Region-wise, the digital textile printing market was analyzed across North America, Europe, Asia-Pacific, and LAMEA.



www.textiletimes.com

**PICANOL**  
why weavers win

Picanol - HEADQUARTERS  
Stevelyncklaan 15  
8900 Ieper

Tel. +32 57 22 21 11  
Fax +32 57 22 22 20

# Textile Printing Production Speed - The Promise And The Reality - Make The Right Choice

*GUEST ARTICLE WRITTEN  
BY JOS NOTERMANS OF  
SPGPRINTS*

As mentioned in my blog about hidden costs in digital printing, printing speed is a factor that greatly influences the cost of digital textile printing. The maximum speed of a printer is often being used as a Unique Selling Point (USP) by printer manufacturers. However, in the long run, it is not the printing speed that is most important; the final printing quality that can be produced is the priority and that determines the printing speed that can be achieved.

A printer with astonishing printing speed might sound amazing as a sales argument, especially for the buyer who doesn't know better. After all, printing faster means more printed textile, which equals more revenue and lower cost per linear meter.

Sadly, this promised maximum speed is seldom achievable in combination with the required printing quality. In this blog, I will explain why printing speed should be considered carefully. There is a difference between promise and reality.

## Top speed: asking the right questions

When a certain maximum speed is specified for a printer, it might sound like this printer is the real deal. Time is money, and faster printing means that you will save a lot of time, right? However, there are some questions you need to ask yourself before drawing this conclusion.

First, the industry you are working in determines greatly what kind of printer you will need. It is also important to focus on the results: what do I need to produce? Furthermore, it is inevitable to look at the reliability and endurance of the printer. How long is the printer going to last while printing on maximum speed?

It is much more important to know the amount of sellable meters the printer is going to bring you each day, week, month or year. In short, there are three main questions concerning speed you need to ask when considering a printing investment:

1. What quality does the printer deliver at the maximum speed?

2. Can you sell all those meters that a printer running on maximum speed can produce in a month or year?
3. Will the printer last long enough when it is always running on its maximum?

## Your need for speed

A guaranteed maximum speed instinctively seems like a justifiable investment, but for a lot of printers the maximum speed is only reachable on certain fabrics or surfaces. Therefore, you should ask yourself an important question before investing in a fast printer: what is a realistic speed for the fabrics I am working with? Do I really need a printer with a higher maximum speed?

The bedding industry, which uses more pastel colours and large areas of white, can probably print fabrics with higher speed than the fashion industry, where more detailed prints with more coverage are often requested.

So a fast printer that you can never use with that maximum speed because the ink lay down is too low, will cost you unnecessarily. Always take the bigger picture



Donzdorfer Strasse 4, D-73079 Süssen, Germany  
Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com

Factory and Shipping Address  
Donzdorfer Strasse 65, D-73079  
Süssen, Germany  
E-mail: mail@suessen.com



into account: what does the printer deliver in the long run? Faster is not always better.

### The cost of maximum speed

One of the reasons why fast printing often results in less printing quality is the amount of ink the printer can drop per square meter given a certain speed between the print heads and the fabric. The faster the fabric passes under the heads, the less ink is sprayed onto an area. This is the case in both scanning as well as single pass printers. Compare it with moving your hand under a running tap of water. The slower your movement, the wetter your hand will become.

How much ink can the printer lay down at a certain speed level? Focus on the achievable result, not on the printing speed. What impact does printing speed have on the result? You don't need the fastest Ferrari if all you do is driving downtown to your office. That's why we limited our PIKE to 60 meters per minute. At that speed the PIKE can still lay down the same amount of ink per meter as any scanning printer on the market today, even at the highest quality mode. Single pass printers that advertise higher speeds will be able to run those speeds, but cannot lay down enough ink to print high coverage and high color density designs. Besides that please realize the following: a single pass printer can run almost

continuously as it does not need to stop to change designs. Running 60 meters per minute, 20 hours a day and 250 days a year gives 18 million meters of printed fabric per year. Can you sell 18 million meters of digital printed fabrics per year?

### Width of the canvas

Buying a printer for its promised maximum speed is a bad bargain if you hardly ever are able to use this maximum speed in your production process. Most vendors express printing speed in the number of meters per hour. However, to determine if you could reach this printing speed in your production process, you must take the width of your fabric into account.

Most vendors make their calculations based on a canvas width of 1.50 meters. However, in the fashion industry, a fabric width of 1.80 meters is quite common. That means that most printing companies delivering to fashion brands would never be able to reach maximum linear speed. For that reason, an important question you should be asking is: what are the speed levels of the printing machine for the fabric width you're using?

Even if printer manufacturers quote the speed in square meters per hour, you have to be careful. If the printing blanket is 1.85m and your fabric width is 1,50m, make

sure the carriage in a scanning machine does only cover the 1,50m with each stroke, otherwise you still have a lot of unproductive time for the carriage to move over the whole width. And even then, if the fabric is mounted in the middle but the carriage has to go regularly to the home position to clean the heads (see my blog about 'hidden costs') it means extra unproductive minutes to cover the width of the blanket where no fabric is mounted.

For the best return on investment, you have to wonder: can I use the printer most of the time at its top speed? Not all industries profit from a faster printer. Can your printer reach its maximum speed in the production process you are working with? If the answer is no, investing in a very fast printer is unnecessary overkill.

### High speed versus high quality

In conclusion, great speeds are promised by printer manufacturers, but common sense must prevail at all times. Always focus on the printing process as a whole. Do you actually need a printer at maximum speed? Does maximum speed deliver you the required quality for your products?

In order to make an accurate comparison when it comes to this so-called "maximum speed", you should compare the quality of samples and the speed level these



www.textiletimes.com



23rd Years of Success

Because advertising matters...

**Textile Times®**  
A Monthly Magazine



www.textiletimes.com

samples were produced on. What level of quality can be produced at

what speed level? The golden rule is that the highest speed will never

deliver the highest quality.

## MTEX NS and SPGPrints announce a Strategic Partnership to better serve multiple emerging segments in the textile printing market

Boxmeer, Netherlands, June 2nd, 2020:

MTEX NS, a leading provider of digital printing solutions, software engineering, and service providers, proudly announces a new partnership with SPGPrints, a leading global company in conventional and digital textile printing solutions.

Both companies are pleased to officially announce a strategic agreement from 2020 extending into 2022.

Over the past 6 months, MTEX NS and SPGPrints R&D teams have been working together to incorporate SPGPrints' specific digital textile application know-how into the unique digital printing solutions of MTEX NS.

An infinite number of tests have been conducted which lead to a series of technological and operational adaptations to perfectly fit the MTEX digital equipment to the textile customer needs.

"The current generation MTEX printers, which today is a reality in the Iberian market, already has the stamp of a development cooperation between the MTEX and SPGPrints R&D team.

Through this strategic cooperation between MTEX and SPGPrints we will be able to offer unique printing solutions to the digital textile printing industry worldwide, based on both companies know-how and commercial channels", according to Mr. Eloi Ferreira, CEO of MTEX NS.

Mr. Dick Joustra, CEO of SPGPrints, adds: "This new partnership offers SPGPrints an enhanced portfolio of products and applications to serve its growing client base and to open up new channels.

Furthermore, this agreement enables SPGPrints to expand its offering in some of the largest and fastest growing textile printing markets across the world and it will expand the offerings of both companies into new markets."

The partnership does include technology for sublimation and pigment printing. These two applications are expected to show significant growth. As a global innovator SPG Prints is in a leading position of bringing more sustainable solutions to the textile printing market.

MTEX digital printing equipment provides a perfect platform to create new sustainable digital textile printing solutions alongside SPGPrints' proprietary Archer® Technology platforms PIKE and JAVELIN.

### FOR FURTHER PRESS INFORMATION:

#### SPGPrints

SPGPrints is a leading global company in the textile, label and industrial printing markets. It provides total system solutions, with a portfolio including screens, lacquers, inks, digital engravers and a broad range of rotary screen and digital printing systems. The company has applied its



A. Monforts Textilmaschinen GmbH & Co. KG  
Blumenberger Str. 143 - 145  
41061 Mönchengladbach  
Tel.: +49 (0) 2161 / 401 - 0

marketing@monforts.de  
www.monforts.de



electroforming expertise to developing highly reliable rotary screen technology. For more information please visit [www.spgprints.com](http://www.spgprints.com) or contact Wilfred Kleefsman, Sales Manager Digital, at [wilfred.kleefsman@spgprints.com](mailto:wilfred.kleefsman@spgprints.com).

### MTEX NS

MTEX NS focuses its activity on the production and development of digital printing technology solutions, for textile, VISCOM, labeling & packaging, to become a leading reference in this sector. Based in the heart of Portugal's textile and clothing cluster (Vila Nova de Famalicão), MTEX NS benefits from easy access to top talent. Furthermore, a solid R&D department combined with a

complete running workshop is a key differentiator, placing MTEX NS as an agile vertical industrial player (with all technical competencies in-house).



#### FERRARO S.P.A.

Via Busto Arsizio, 120 - Lonate Pozzolo (Va)  
Tel: +39.0331.302.994 - Fax: +39.0331.302.968  
[ferraro@ferraro.it](mailto:ferraro@ferraro.it)  
[www.ferraro.it](http://www.ferraro.it)





## AATCC to host Visual Colour Training Webinar

The AATCC summer workshop is set to host a Visual Colour Training Webinar, 'Training Your Visual Color Apparel Team', by Jean Hoskin, former director of colour services at Macy's. The webinar will be presented on August 26, 2020. The association provides test method development, quality control materials, education, and professional networking.

Visual approval of colour for production requires the evaluation of lab dyeings, print strike offs, or woven pattern handlooms. Preparing colour technicians to perform these evaluations in a light booth requires understanding of the visual environment, sample positioning, and perception. The presentation will provide visual examples of colour relativity and



the procedures colour technicians can use to make confident colour decisions. Hoskin will share best practices for evaluation, with explanations for training a colour team, design colleagues, and customers. She will also demonstrate the 'what' and 'why' of colour perception, including simultaneous contrast, gradation, after image, optical mixture, Bezold effect, and the Weber-Fechner Law, according to a press release by AATCC.

With colour expertise that balances theory and application, art and science, Hoskin retired

from Macy's merchandising group as director of colour services in 2016. Since her retirement, she has been consulting, writing, painting, and traveling. She is currently co-chair for of the ISCC 2021 Color Impact Conference. Majoring in textiles, Hoskin holds a BS from Iowa State University and an MA from Michigan State University. Her PhD from the University of Tennessee focused on colour in textile design, testing, dyeing, and printing. The registration fee for the webinar is \$99 for members (both individual and corporate) and \$149 for non-members.

## A tale of two cities. Transforming the fashion and apparel industry with more sustainable colors & effects

From air pollution and water shortage to natural disasters prompted by climate change, the threats facing the environment are numerous and across industries.

We can no longer continue to operate in a status-quo, business-as-usual manner.

We at Archroma, a global specialty

color and chemical manufacturer who serves industries such as textile, apparel, packaging, paper, paints or construction, know this all too well.



**VANDEWIELE**  
Michel Vandewielestraat 7  
8510 Marke  
Belgium

Tel: +32 56 24 32 11  
Email: [info@vandewiele.com](mailto:info@vandewiele.com)  
[www.vandewiele.com](http://www.vandewiele.com)

We have around about 3,000 employees and are present in 35 countries with 25 production sites. Archroma sells into 110-115 countries globally.

The chances are that your very own jeans and t-shirt, your notebook or even your face mask, are made with a color or protective chemistry developed by Archroma.

In an industry ingrained with the use of fossil fuel-based raw materials, we are encouraging a paradigm shift across our operations to move with our customer towards a more progressive, sustainable way of thinking.

We call it “The Archroma Way: Safe, efficient, enhanced. It’s our nature”.

Textiles is probably considered as the second most polluting industry globally, and it is a complex industry with very many stakeholders, where change can often be very slow.

We are delighted to share the Tale of Two Cities - Jamshoro, Pakistan and Castellbisbal, Spain – where that paradigm shift is happening.

The Archroma teams in Jamshoro and Castellbisbal are incredibly committed to explore new technologies and develop innovations that change the way we create colors and effects in our everyday clothing.

In Jamshoro, you will hear about Archroma’s sustainable effluent treatment system, probably the first of its kind in the textile industry, allowing our company to operate with zero discharge to the environment - and to supply clean, fresh drinking water to the local community in an area fast moving from being water stressed towards water scarce.

We have also developed in Jamshoro Denisol® Pure Indigo, a new synthetic indigo dye that is free\* of one of the impurities found in indigo: aniline, a component that is harmful to the workers who are producing denim, and also for aquatic life.

In Castellbisbal, the Archroma team develops award-winning innovations for denim and casual wear, such as EarthColors®, a technology that uses raw

materials based on natural, non-edible waste that is generated by the food or herbal industry, rather than products derived from fossil fuels.

Or prior to this, Advanced Denim, a range of colors which allows improvements in the application process of the dyes by Archroma’s customers, allowing them to save up to 90% water.

While business as usual is going to take a while to eradicate and there’s still so much more to be done in the battle against climate crisis, our commitment to sustainability and innovation is helping to start the paradigm shift.

Innovation should focus on preserving our planet, because after all, as we at Archroma like to say: “It’s our nature.”



## Mowiplus® HPC 9600 Thickener for Sanitizing Gels



Archroma introduces Mowiplus® HPC 9600, a new thickener for sanitizing gels to address global shortage due to COVID-19 crisis. Hand sanitizers are typically made of alcohol and additives, to which a thickener is often added to create the gel texture.

Gel sanitizers are considered more user-friendly than liquids, as they avoid spilling and thus wasting the precious sanitizer material

that is in critical need for the fight against the coronavirus outbreak. The thickener typically used for hand sanitizing gels and other home care and personal care products, is currently in global shortage due to the COVID-19 coronavirus.

Experts from the Archroma team in Brazil, anticipating shortages just as they had happened during previous outbreaks such as H1N1,

decided to look into the matter.

The result is Mowiplus® HPC 9600, an alternative that offers good performance and cost levels, and even allows to skip the 12-hours hydration process needed traditionally, thus saving valuable time in a crisis that need all the sanitizers it can get.

With Mowiplus® HPC 9600, Archroma will be able to contribute to the fight against the COVID-19 coronavirus, and delivers a product that helps to make a more convenient end-product, and to preserve every drop of precious hand sanitizers. Because it's our nature.

The new product is listed in the INCI (International Nomenclature of Cosmetic Ingredients) and meets the July 2016 RDC N°83 ANVISA / MERCOSUL Technical Regulation for personal hygiene products, cosmetics and perfumes.

## Huntsman Textile Effects And Bao Minh Textile Collaborate To Produce Fabric For Medical Gowns

Singapore - Huntsman Textile Effects and Bao Minh Textile, one of the largest and most modern woven fabric producers in Vietnam, are collaborating to produce fabric that meets the

stringent performance standards required of isolation gowns. High-quality medical gowns are essential protective wear for healthcare workers combatting the global COVID-19 pandemic,

but these are in short supply worldwide.

Bao Minh Textile will initially treat 760,000 meters of woven fabric with a carefully curated



FERRARO S.P.A.  
ferraro@ferraro.it  
Via Busto Arsizio, 120  
Lonate Pozzolo (Va)

Tel: +39.0331.302.994  
Fax: +39.0331.302.968



combination of Huntsman Textile Effects barrier effect solutions and auxiliaries. This fabric is sufficient to produce 345,000 high-grade isolation gowns.

“To help meet extraordinary global need for hospital gowns, we had to be able to deliver a high-performance fabric of consistent high quality while maintaining our commitment to good manufacturing practice and sustainability. The technical teams from Bao Minh Textile and Huntsman Textile Effects worked hand in hand to make this possible at speed,” said Mr Tran Dang Tuong, Chief Executive Officer of Bao Minh Textile. Manfred Albrecht, Chief Representative

for Huntsman Textile Effects Vietnam, said: “We are pleased to support an industry innovator and sustainability champion like Bao Minh Textile to help in the fight against COVID-19. It takes deep operational knowhow and knowledge of the chemical composition and mechanical properties of finishing effects and fibers to manufacture Personal Protective Equipment (PPE) to the required standard. Huntsman Textile Effects and Bao Minh Textile have an excellent collaborative relationship and we look forward to continuing to help the team refine production amid COVID-19 and beyond.” Bao Minh Textile’s isolation gown fabric relies on a range of

Huntsman pretreatment, dyeing and finishing solutions. These include CLARITE® ONE, an all-in-one pretreatment for peroxide bleaching; NOVACRON® and TERASIL® dyes; PHOBOL® CP-C, an excellent oil-, water- and stain-repellent finish; and PHOBOTEX® RSY, a non-fluorinated durable water repellent with extremely high washing resistance. PHOBOL® EXTENDER XAN is also applied to further increase wash durability. Huntsman Textile Effects has a comprehensive range of barrier effects for both nonwoven and woven medical applications, including facemasks and PPE such as isolation gowns.

## Datacolor launches SpectraVision V for colour measurement



Leader in colour management, Datacolor, has launched SpectraVision V, an addition to the SpectraVision family that enables manufactures to objectively measure and digitally communicate colour measurements for the multi-coloured, textured, and irregular-shaped materials. The solution increases efficiency by reducing the steps to match and approve colour.

The new vertical configuration, sample tray and cup enable

customers to measure a wide variety of samples, such as plastic pellets, watch components, electronic parts, and much more. High resolution sample images taken by the hyperspectral spectrophotometer can also be leveraged for onscreen colour evaluation and communication of colorimetric data, according to a media statement by Datacolor.

“With the new vertical configuration and enhancements to the Datacolor Tools SV software, we are able to extend



www.textiletimes.com



23rd Years of Success

Because advertising matters...

**Textile Times**<sup>®</sup>  
A Monthly Magazine



www.textiletimes.com

the benefits of objective digital colour management to multiple industries and customers. Customers with previously unmeasurable materials, whether

due to its size, shape, texture, or applications can now conduct consistent, repeatable, objective colour measurements, result in increased efficiency, reduced

costs and faster time to market,” Albert Busch, president and CEO of Datacolor said.

## Hohenstein advances textile sustainability with microfiber analysis.



Sun Chemical has increased the prices of its solvent-based inks and coatings in North America, effective July 1, 2020. These increases are expected to remain in place and might accelerate throughout the year.

Sun Chemical is a producer of printing inks, coatings and supplies, pigments, polymers, liquid compounds, solid compounds, and application materials. Due to the significant

increase in the demand for alcohols and solvents for use in sanitizers and pharmaceutical initiatives, the prices of these materials have increased substantially. In order to secure the needed components for the production of solvent-based inks and coatings, Sun Chemical has experienced raw material cost escalation during the second quarter of 2020, the company said in media statement. “The COVID-19 pandemic is driving an increased demand for various

alcohols and solvents to combat the virus and allow for the gradual reopening of economies around the globe. These raw materials are critical to the proposed safety practices of manufacturing organisations and service industries where the focus on consumer and employee health is at the forefront of new sanitizing protocols to help slow the spread of the virus,” Chris Parrilli, president of North American Inks, Sun Chemical said.

“The dynamics that have taken place over the last three months are unprecedented and the future of the pandemic remains unpredictable.

However, Sun Chemical’s desire to deliver best-in-class supply, service, and quality, as expected by our customers, requires us to ensure a reliable source of raw materials. In order to continue to meet these expectations, we unfortunately must raise prices to offset the extraordinary market undercurrents that are driving up raw material costs,” Parrilli said.

**Biancalani**  
MACCHINE TESSILI

Biancalani s.r.l.  
Via Menichetti, 28  
59100 Prato - Italy  
Tel. +39 057454871  
Fax +39 0574633491

E-mail [contacts@biancalani.com](mailto:contacts@biancalani.com)  
[www.biancalani.com](http://www.biancalani.com)

# AATCC announces winners of 2020 Student Design Competition



AATCC has announced the winners of the 2020 AATCC Concept 2 Consumers Student Design Competition, among 29 entries, with 43 students from 16 colleges and universities. This year's 'Everlasting Style'-themed competition challenged students to design an apparel line (3-5 designs) for office/work attire, in terms of sustainability, quality, and style.

Again this year, students were asked to access educational resources, so they could highlight at least one AATCC test method and why it was important to their product line. Lauren Bouvier, a senior majoring in apparel merchandising and product development from the University

of Arkansas, won the first place for Nouvelle Femme, professional workwear for young women in response to the COVID-19 world pandemic. She was awarded \$1,000 from AATCC; Pantone Cotton Passport and COY mug; \$300 Spoonflower Gift Certificate and Spoonflower DIY Book Bundle; \$200 Jacquard Inkjet Fabric Systems gift certificate to obtain prepared for dyeing (PFD) fabric; Datacolor ColorReaderPRO; one-year of Adobe Creative Cloud Photography plan, including Adobe Photoshop CC; and one-year free AATCC Student Membership, according to an AATCC press release. Izzy Volpe, a sophomore in fashion design at Drexel University, won the second prize, for Weco, office-wear for

women. He was awarded \$750 from AATCC; Pantone Cotton Passport and COY mug; \$150 Spoonflower Gift Certificate and Spoonflower DIY Book Bundle; \$100 Jacquard Inkjet Fabric Systems gift certificate to obtain prepared for dyeing (PFD) fabric; Datacolor ColorReaderPRO; one-year of Adobe Creative Cloud Photography plan, including Adobe Photoshop CC; and one-year free AATCC Student Membership.

Bouvier says, "This competition was an opportunity to apply what I have learned in the classroom to a real-world scenario. It challenged me to create clothing designs that serve and empower young professional women in response to the COVID-19 pandemic. In the future I hope to work in fashion merchandising then pursue higher education and teach at the university level. I have had so many inspiring teachers and I hope to empower the next generation in the same way. This competition has shown me the importance of identifying an area of need when developing something new then finding a solution for that need. I hope to continue to solve problems and serve people in my future work."

**BENNINGER**

Benninger AG  
Fabrikstrasse  
9240 Uzwil, Switzerland

T +41 71 955 85 85  
F +41 71 955 87 47



Volpe says, "From this competition, I learned that there are many complex steps apparel designers must take in order to make their garments functional for

realistic purposes. There is a lot of trial and error, and much testing goes into every piece of clothing that we wear. This was able to make me realise that I should

design with 'life' in mind as time moves forward; if my pieces are to have a greater longevity, I must pay attention to the scientific side to the artistic process."

## Ergosoft 16 supports X-Rite i1Pro 3 colour solutions

X-Rite and Pantone, leaders in colour science and technology, have announced that Ergosoft 16, RIP software for digital printing market, supports the new i1Pro 3 Family of colour management solutions. Pantone provides the universal language of colour that enables colour-critical decisions through every stage of the workflow for brands and manufacturers.

Using Ergosoft 16 with the i1Pro 3 helps printers improve print production workflow efficiency by allowing them to quickly implement colour standards across a variety of materials and surfaces, including ceramics, textiles, glass, metal, wood, vinyl, plastics, thin films, cardboard, paper, and more.

Digital printers can create ICC profiles for almost any substrate and calibrate print production devices for the highest level of colour accuracy, according to a press release by X-Rite.

With a focus on refinements and improvements related to user

interaction with the product, Ergosoft 16 makes basic features more intuitive, and advanced features more accessible. Ergosoft 16 is a complete production and workflow suite, with an emphasis on making the job of the RIP operator more efficient.

The i1Pro 3 family is ideal for professionals who require accurate colour from their printer, display, and projector. It is more accurate, reliable and twice as fast as its predecessor. The i1Pro 3 simultaneously measures M0,

M1, and M2 in a single pass while accounting for optical brighteners. Prepress and print operators can quickly predict how colours printed on optically-brightened substrates and textiles will look under different lighting conditions.

The i1Pro 3 Plus features a larger aperture of 8mm to support new materials and substrates used in digital printing applications. It also supports transmission scanning for backlit film and materials used in signage. Both



www.textiletimes.com

Since 1997  
Textile Times  
Leading Textile Machinery & Process Magazine  
23rd Years of Success

Because advertising matters...  
**Textile Times**<sup>®</sup>  
A Monthly Magazine



www.textiletimes.com

the i1Pro 3 and i1Pro 3 Plus can be used in automated measurement workflows with the addition of the i1iO3.

“Ergosoft is confident that the combination of Ergosoft 16 and the i1Pro 3 enables operators to realise the full potential of Ergosoft 16 in terms of colour

control and colour accuracy,” said Anna Tobler, CEO of Ergosoft.

“X-Rite is excited to work with Ergosoft to provide customers with best-in-class solutions to improve their digital printing workflows. The i1Pro 3 is fast, easy-to-use, and offers digital printers increased flexibility

to measure a wide variety of materials.

When paired with Ergosoft 16, print customers can achieve a connected workflow to define printing system settings, create ICC profiles, linearise, and more,” Ray Cheydleur, printing and imaging product portfolio manager, X-Rite said.

## Noble Biomaterials launches new brand identity Ionic+

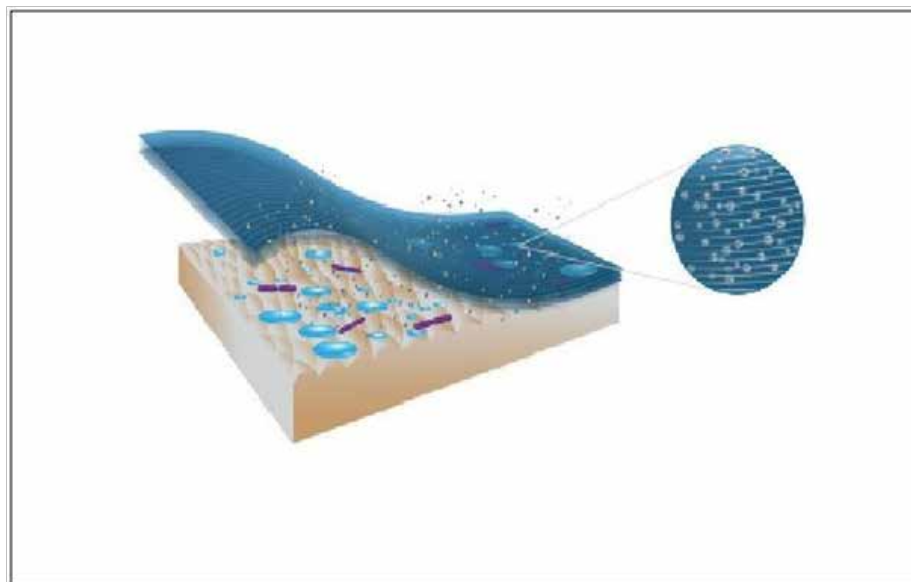
Noble Biomaterials has announced the launch of a new brand identity—Ionic+—for its antimicrobial technology formerly known as XT2. The new brand name, logo and tagline will more clearly convey the benefits and story of Ionic+, a technology that uses positively charged silver ions to provide microbial and odour protection for the life of a product. More than 30 leading apparel, performance and athletic brands, including Athleta, Mack Weldon, Fox Racing, Rhone, Hill City, Troy Lee Designs, Giro, Rhoback and BN3TH, as well as bedding and towel maker Silvon, already use Ionic+ to impart a performance edge to their products. “We designed the new Ionic+ brand identity to clearly express the benefits and impact of this technology, which harnesses the power of positively charged silver ions to fight microbes on soft surfaces like athletic

apparel, bedding and towels,” said Joel Furey, founder and chief commercial officer of Noble Biomaterials. “With the increased need for fabric that is essentially self-cleaning of microbes, Ionic+ is being more widely adopted in healthcare and PPE, with companies like Chargeurs and Myant incorporating it in masks and Octo Safety Devices using it for respirators. The growth of the business drove the need for a name that more closely aligns with the technology’s mechanism of action.” Ionic+ uses the power of positively charged silver ions to fight the growth of microbes and odour- and stain-causing bacteria on soft surfaces. Apparel and bedding that doesn’t allow for bacteria to grow and multiply doesn’t need to be laundered as often, which saves consumers time and money and can help extend the useful life of products while also helping save the environment.

“Noble Biomaterials pioneered the use of silver in textiles for its antimicrobial and conductive properties,” said Christy Raedeke, chief marketing officer. “The new Ionic+ brand identity truly captures the essence and power of this technology, incorporating the word ‘ion’ and the plus sign, which symbolises the positive charge the ions carry and the endless potential the technology provides to our broad range of customers and end consumers. The opportunities for storytelling are so much greater with Ionic+ and our brand partners have been overwhelmingly supportive of the change.”

Noble Biomaterials, Inc is a global leader in antimicrobial and conductivity solutions for soft surface applications. The company produces advanced material technologies designed for mission-critical applications in the

performance apparel, healthcare, industrial and emerging wearable technology markets. Its flagship brands, X-Static, Ionic+ and Circuitex, are used by hundreds of world-class licensees to provide odor elimination, infection prevention/management, biometric monitoring and conductive protection benefits. Its headquarters and manufacturing facilities are located in Scranton, PA, and the company has offices in Europe, Asia and South America.



## Pitt makes textile coating that repels viruses

Scientists at the University of Pittsburgh Swanson School of Engineering have formulated a textile coating that repels liquids like blood and saliva, and prevents viruses from adhering to surfaces. The coating withstands ultrasonic washing, scrubbing and scraping and is likely to be used in hospital gowns and waiting room chairs to prevent infection.

The research has been carried out at the LAMP Lab in university and published in the journal ACS Applied Materials and Interfaces.

The coating may have broad applications in healthcare: everything from hospital gowns to waiting room chairs could benefit from the ability to repel viruses, particularly ones as easily spread as adenoviruses.

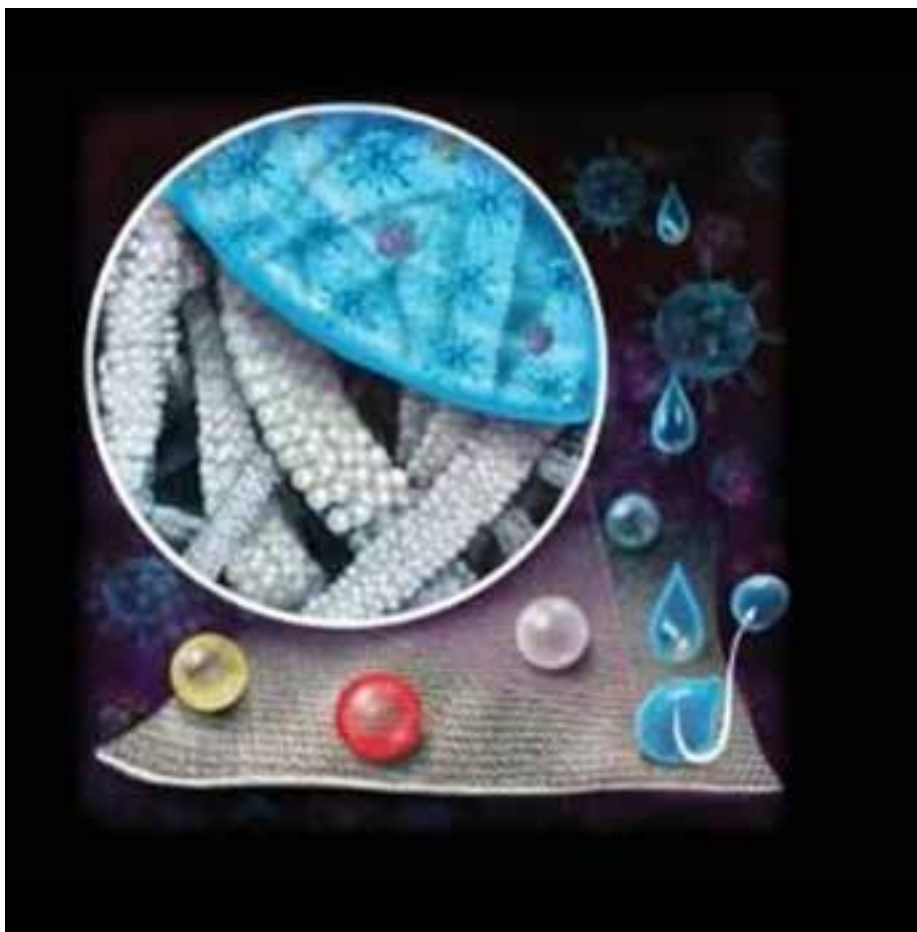
“Recently there’s been focus on blood-repellent surfaces, and we were interested in achieving this with mechanical durability,” said Anthony Galante, PhD student in industrial engineering at Pitt and lead author of the paper. “We want to push the boundary on what is possible with these types of surfaces, and especially given the current pandemic, we knew it’d be important to test against viruses.”

What makes the coating unique is its ability to withstand ultrasonic washing, scrubbing and scraping. With other similar coatings currently in use, washing or rubbing the surface of the textile will reduce or eliminate its repellent abilities. “The durability is very important because there are other surface treatments out there,

but they’re limited to disposable textiles. You can only use a gown or mask once before disposing of it,” said Paul Leu, co-author and associate professor of industrial engineering, who leads the LAMP Lab. “Given the PPE shortage, there is a need for coatings that can be applied to reusable medical textiles that can be properly washed and sanitised.”

Galante put the new coating to the test, running it through tens of ultrasonic washes, applying thousands of rotations with a scrubbing pad (not unlike what might be used to scour pots and pans), and even scraping it with a sharp razor blade. After each test, the coating remained just as effective. The researchers worked with the Charles T Campbell Microbiology





Laboratory's research director Eric Romanowski and director of Basic Research Robert Shanks, in the Department of Ophthalmology at Pitt, to test the coating against a strain of adenovirus. "As this fabric was already shown to repel blood, protein and bacteria, the logical next step was to determine whether it repels viruses.

We chose human adenovirus types 4 and 7, as these are causes of acute respiratory disease as well as conjunctivitis (pink eye)," said Romanowski. "It was hoped that the fabric would repel these viruses similar to how it repels proteins, which these

viruses essentially are: proteins with nucleic acid inside. As it turned out, the adenoviruses were repelled in a similar way as proteins." "Adenovirus can be inadvertently picked up in hospital waiting rooms and from contaminated surfaces in general. It is rapidly spread in schools and homes and has an enormous impact on quality of life—keeping kids out of school and parents out of work," said Shanks. "This coating on waiting room furniture, for example, could be a major step towards reducing this problem."

The next step for the researchers will be to test the effectiveness

against betacoronaviruses, like the one that causes COVID-19. "If the treated fabric would repel betacoronaviruses, and in particular SARS-CoV-2, this could have a huge impact for healthcare workers and even the general public if PPE, scrubs, or even clothing could be made from protein, blood-, bacteria-, and virus-repelling fabrics," said Romanowski.

At the moment, the coating is applied using drop casting, a method that saturates the material with a solution from a syringe and applies a heat treatment to increase stability. But the researchers believe the process can use a spraying or dipping method to accommodate larger pieces of material, like gowns, and can eventually be scaled up for production.

Masks, gowns, and other personal protective equipment (PPE) are essential for protecting healthcare workers. However, the textiles and materials used in such items can absorb and carry viruses and bacteria, inadvertently spreading the disease the wearer sought to contain. When the coronavirus spread amongst healthcare professionals and left PPE in short supply, finding a way to provide better protection while allowing for the safe reuse of these items became paramount.

## WRAP relaunches £1.5m textiles projects grant fund

WRAP is making its £1.5 million textiles grant fund more accessible and has streamlined the application process so that funds can be allocated more quickly. The deadline for applications, published on Thursday 18 June, no longer applies.

Applications will now be assessed on a rolling basis until WRAP closes the scheme or all funds are allocated.

The grants are intended to support projects that provide innovative ways for textile waste to be recycled or re-used, keeping it out of landfill or incineration so that it remains a valuable resource. The money is part of the UK based Defra's £18m Resource Action Fund, set up to support key priority policy areas.

Under the scheme, amounts between £20,000 and £170,000 (the maximum state aid threshold) are available to organisations of any size, both commercial and not-for-profit. The money is for capital expenditure only; either for equipment or technologies that enable recycling or re-use of clothing or linen waste textiles. Successful projects need to demonstrate 'innovation beyond normal practice' and will be assessed against a number of

criteria.

Changes under the re-launched scheme are:

- 100% of capital costs are now funded – no match funding required
- The money will be released in milestone payments
- The grant can be used to fund capital costs to reconfigure a business to comply with

government guidelines on COVID-19 safety measures, where this forms an integral part of an innovative proposal/project

- Applicants are welcome to apply immediately

Increased textiles collection and reprocessing is required in the UK to help deliver the Resource and Waste Strategy (R&WS) and the Circular Economy Package (CEP)



# James Heal™

Richmond Works  
Halifax  
HX3 6EP  
England

t: +44 (0)1422 366355  
f: +44 (0)1422 352440  
e: hello@james-heal.co.uk

objectives. Existing markets for recycled textiles are small scale and traditional, with limited innovation or growth potential. To meet the requirement for separate collections of textiles by 2025, new processes and markets need to be found, to avoid separately collected items simply being discarded. In addition, the textiles recycling sector believes that export markets may diminish over time as other countries increase their exports of used textiles. The aim of this grant fund is to address the need for increased capacity, sorting, handling, and reprocessing of textiles

from municipal sources. Peter Maddox, Director of WRAP UK, comments: "We have responded swiftly to feedback from the textile sector that businesses are struggling due to the negative impact of COVID-19.

There has been an excellent response since this fund was launched in March. Now that there is no absolute deadline and no match funding required, I am confident that many more organisations will come forward with imaginative projects to combat barriers to textile recycling and re-use – and I urge them to

apply soon, to make sure they get their share of the funds available." Environment Minister Rebecca Pow said: "I know coronavirus has placed extra pressures on the textiles sector, so I'm very pleased that this fund is helping more organisations to explore innovative solutions for the industry. Fast fashion is having a real impact on our environment. With more than 300,000 tonnes of clothing being sent to landfill or incineration every year, it's important that we find ways to make the clothing sector more sustainable and environmentally-friendly."

## Archroma Joins Hands With Liberty Textile Mills Limited To Produce Life-Saving Ppe In Pakistan

Reinach, Switzerland, 17 June 2020 - Archroma, a global leader in color and specialty chemicals towards sustainable solutions, has joined hands with Liberty Textile Mill Limited (Liberty), a leading producer in healthcare textiles to produce high quality personal protective equipment (PPE).

Liberty will be benefitting from Archroma's specialty solutions for hygiene protection, and well-established technical expertise in the area of medical textiles. Amidst the COVID-19 pandemic, the PPEs manufactured by Liberty are aimed at easing the current shortage of PPEs for medical professionals in Pakistan. Liberty

carries over two decades of experience in medical textiles and exporting them all over the world. Its partnering with Archroma is a major step forward towards creating enhanced protection in the current crisis. With its advanced scientific knowledge and technical expertise, Archroma provides a complete set of specialty chemicals required to produce PPEs, in particular in the area of antimicrobial and barrier coatings. The project will assist in enhancing medical standards in hospitals, isolation centers and intensive care units, in Pakistan and, very soon, worldwide. Reinach, Switzerland, 17 June 2020 - Archroma, a global leader

in color and specialty chemicals towards sustainable solutions, has joined hands with Liberty Textile Mill Limited (Liberty), a leading producer in healthcare textiles to produce high quality personal protective equipment (PPE).

Liberty will be benefitting from Archroma's specialty solutions for hygiene protection, and well-established technical expertise in the area of medical textiles. Amidst the COVID-19 pandemic, the PPEs manufactured by Liberty are aimed at easing the current shortage of PPEs for medical professionals in Pakistan. Liberty carries over two decades of experience in medical textiles and



H. Stoll AG & Co. KG  
Stoll Marketing Services  
Stollweg 1  
72760 Reutlingen

Phone: +49-(0)7121-313-0  
Fax: +49-(0)7121-313-110  
Email: webmaster@stoll.com



exporting them all over the world. Its partnering with Archroma is a major step forward towards creating enhanced protection in the current crisis. With its advanced scientific knowledge and technical expertise, Archroma provides a complete set of specialty chemicals required to produce PPEs, in particular in the area of antimicrobial and barrier coatings. The project will assist in enhancing medical standards in hospitals, isolation centers and intensive care units, in Pakistan and, very soon, worldwide.

“By continuously challenging the status quo, we at Archroma are able to support our customers operating in or entering the area of medical textiles, with a holistic and expert approach to hygiene protection. With our collaboration with Liberty, we are so proud to be able to bring state-of-the art protection to health professionals and the general public,” comments Mujtaba Rahim, CEO of Archroma Pakistan.

“Liberty has a presence of more than five decades with high achieving accolades. Our

processing units are fully equipped with latest equipment complying with international standards. We take this new partnership with Archroma as a start of building a strong relationship in the area of medical textiles. The COVID-19 pandemic has given a wake-up call to work extensively towards enhancing healthcare facilities. We are looking forward to new innovations in producing top-class PPEs,” adds Taimoor Mukaty, Director of Liberty Textile Mills Limited.



# Suessen

Spindelfabrik Suessen GmbH  
Administration  
Donzdorfer Strasse 4  
D-73079 Süssen  
Germany

Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com



## Virtual Home Textiles Sourcing Expo debuts next month

Atlanta – Home Textiles Sourcing Expo, traditionally held at the Javits Center in New York each July, will take place as a globally connected virtual show.

The expo connects Asian and overseas resources with American buyers, importers and wholesalers seeking fabrics and finished soft goods for all home applications. The dates – July 21 to 23 – remain the same, making it the first event for the home textiles industry to be held virtually.

“Home Textiles Sourcing will continue to provide manufacturers,

retailers, jobbers, converters, contract specifiers and designers a dedicated avenue to locate new fabrics and products for their latest home collections, but this year we’ll be doing it virtually,” said Jennifer Bacon, show director for the event, which is organized by Messe Frankfurt.

The show will offer:

- Free access to sourcing, education and more
- AI-powered matchmaking that calculates and recommends the most relevant connections

- Dynamic online showrooms with vivid customization
- Live chats, virtual networking
- Interactive educational programming
- Flexibility to engage at the user’s convenience during the live event and beyond

The show runs concurrently with Texworld USA and Apparel Sourcing USA. More information, including registration details and schedules, is available at [hometextilesourcingexpo.com](http://hometextilesourcingexpo.com).

# Global Hand Towels Market Outlook 2020-2030: COVID-19 Implications and Growth

“Hand Towels Global Market Report 2020-30: COVID-19 Implications and Growth”

The global hand towel market is expected to grow from \$3.4 billion in 2019 to about \$5.1 billion in 2020 as there is an increased awareness about hygiene and use of disposables towels due to the COVID-19 pandemic across the globe. People are preferring disposable paper towels over the reusable cloth ones to curb the spread of infection. The market is expected to stabilize and reach \$4.4 billion at a CAGR of 7.2% through 2023. North America was the largest region in the hand towels market in 2019.

The increasing awareness about hygiene in countries across the world is a key factor driving the growth of the hand towels market. Hygiene and sanitation are essential for preventing and controlling the spread of many dangerous human diseases including cholera, diarrhoea, Ebola and now Coronavirus.

Regular hand-washing with soap is one of the most effective ways of avoiding or reducing COVID-19 spread without vaccine or cure. A recent poll has indicated that French citizens might be at high risk for viral infections in the form of coronavirus (Covid-19) due to a lack of good hygiene practices. Therefore, the increasing

awareness about hygiene in the developing countries is expected to drive the growth of the hand towels market.

The manufacture of forest-friendly paper towels are gaining traction. Forest-friendly paper towels are those that are manufactured without the cutting down of forests. These papers are made from a mixture of bamboo and sugarcane. For instance, Who Gives A Crap, specializing in environmentally friendly, zero waste, safe and plastic-free household products manufactures environmentally friendly paper kitchen towels that are made of tree-free products and give value to money. They are super durable 2-ply towels that can clean-up very well.

The commercial places such as hotels, restaurants and workplaces are replacing hand towels with hand dryers, restraining the growth of hand towels market. The growing environmental concern to save trees led to adoption of hand dryers replacing hand towels as they require enormous amount of pulp from the trees to manufacture hand towels. according to the study by The Slate and Climate conservancy, using hand dryers is a greener choice and emit less greenhouse gases that emits 9

to 40 grams of carbon dioxide when compared with hand towels, which emits 56 grams of carbon dioxide.

In September 2019, Cascades, a leading Canadian company that manufactures packaging and tissue products acquired the assets of Orchids Paper Products for \$207 million in cash. This acquisition will benefit Cascades in its strategic long term growth plan in tissue platform.

It will enhance the ability to serve customers, increase the quality of the products, and improve the profitability of the company. Orchids Paper Products is a consumer products company based out of the USA that produces and markets paper towels, bathroom tissue, paper napkins, and other related products. Major players in the hand towel market are Kimberly-Clark, Procter & Gamble, SCA, Hengan, Vinda, Asaleo Care, Sofidel, Georgia-Pacific, WEPa, and Metsa Tissue. Report Scope

The report covers market characteristics, size and growth, segmentation, regional and country breakdowns, competitive landscape, market shares, trends and strategies for this market.



Sahianwala Road, Khurrianwala  
Faisalabad Pakistan

UAN: +92 41 111-010-111  
FAX: +92 41 4364118, 4364121  
www.sadaqatgroup.net  
E-Mail: sadaqat.limited@sadaqatgroup.net



# feel TEXTILES OFFLINE

LIVE IN  
FRANKFURT  
12.–15.1.2021

heimtextil

Discover the entire textile experience:

SHOW / TREND / CONFERENCE



[www.heimtextil.messefrankfurt.com](http://www.heimtextil.messefrankfurt.com)

It traces the market's historic and forecast market growth by geography. It places the market within the context of the wider hand towel market, and compares it with other markets.

- The market characteristics section of the report defines and explains the market.
- The market size section gives the market size (\$b) covering both the historic growth of the market, the influence of the Covid 19 virus and forecasting its growth.
- Market segmentations break down market into sub markets.
- The regional and country breakdowns section gives an analysis of the market in each geography and the size of the market by geography and compares their historic and forecast growth. It covers the growth trajectory of Covid 19 for all regions, key developed countries and major emerging markets.
- Competitive landscape gives a description of the competitive nature of the market, market shares, and a description of the leading companies. Key financial deals which have shaped the market in recent years are identified.
- The trends and strategies section highlights the likely

future developments in the market and suggests approaches companies can take to exploit this.

- The hand towel market section of the report gives context. It compares the hand towel market with other segments of the hand towel market by size and growth, historic and forecast. It analyses GDP proportion, expenditure per capita, hand towel market indicators comparison.

### Key Topics Covered

1. Executive Summary
2. Hand Towels Market Characteristics
3. Hand Towels Market Size and Growth
  - 3.1. Global Hand Towels Historic Market, 2015-2019, \$ Billion
    - 3.1.1. Drivers Of The Market
    - 3.1.2. Restraints On The Market
  - 3.2. Global Hand Towels Forecast Market, 2019-2023F, 2025F, 2030F, \$ Billion
    - 3.2.1. Drivers Of The Market
    - 3.2.2. Restraints On the Market
4. Hand Towels Market Segmentation
  - 4.1. Global Hand Towels Market, Segmentation By Product Type, Historic and Forecast,

2015-2019, 2023F, 2025F, 2030F, \$ Billion

- Rolled Paper Towels
  - Boxed Paper Towels
  - Multifold Paper Towel
- 4.2. Global Hand Towels Market, Segmentation By Application, Historic and Forecast, 2015-2019, 2023F, 2025F, 2030F, \$ Billion
    - Residential
    - Commercial
  5. Hand Towels Market Regional and Country Analysis
    - 5.1. Global Hand Towels Market, Split By Region, Historic and Forecast, 2015-2019, 2023F, 2025F, 2030F, \$ Billion
    - 5.2. Global Hand Towels Market, Split By Country, Historic and Forecast, 2015-2019, 2023F, 2025F, 2030F, \$ Billion

### Companies Mentioned

- Kimberly-Clark
- Procter & Gamble
- SCA
- Hengan
- Vinda
- Asaleo Care
- Sofidel
- Georgia-Pacific
- WEPA
- Metsa Tissue
- CMPC Tissue
- KP Tissue
- Cascades
- APP



MS PRINTING SOLUTIONS SRL -  
Sede legale/operativa:  
Via Bergamo 1910 -  
21042 Caronno Pertusella (VA) - Italy

Tel. +39 02 9650169  
+39 02 96458475  
Fax +39 02 9656218



## Why does your cotton towel get stiff after natural drying?

*Source:*  
*Hokkaido University*

### Summary:

The remaining 'bound water' on cotton surfaces cross-link single fibers of cotton, causing hardening after natural drying, according to a new study. This provides new insight into unique water behaviors on material surfaces and helps us develop better cleaning technologies.

The remaining "bound water" on cotton surfaces cross-link single fibers of cotton, causing hardening after natural drying, according to a new study conducted by Kao Corporation and Hokkaido University. This provides new insight into unique water behaviors on material surfaces and helps us develop better cleaning technologies.

Cotton towels often become stiff when washed without fabric softener and naturally dried, but the mechanism behind it has remained a mystery. In previous studies, the research groups at Kao Corporation suggested the involvement of bound water -- a

special type of water that exhibits unique properties on the surface of materials -- for the hardening. The group proposed a theoretical model in which the bound water that remains on the surface of cotton causes cross-linking between single fibers through a process called capillary adhesion. In the current study published in The Journal of Physical Chemistry C, the research group reports direct observations of the bound water on cotton surfaces, providing strong evidence for Kao's model. Joined by Ken-ichiro Murata of Hokkaido University, the group employed special analytical techniques called atomic force microscopy (AFM) and AFM-based infrared spectroscopy (AFM-IR) to investigate the bound water on cotton surfaces at the molecular level.

The AFM observations indicated the existence of a viscous substance on the cotton surface that is not cellulose, the major component of cotton. This strongly suggested viscous bound water is present there causing capillary adhesion -- a phenomenon in which liquid sandwiched between solid surfaces causes adhesion of them.

In the following experiments, the AFM-IR spectra of naturally dried cotton surfaces showed two-peaks that indicate the existence of water. On the other hand, no peaks were observed after completely removing water on the cotton surface. Furthermore, the spectra, showing two clear peaks, suggested that the bound water takes two different states at the air-water interface and the water-cotton interface, respectively.

"The experiments clarified that bound water is evident on cotton surfaces and contributes to certain dynamic properties such as stiffness mediated by capillary adhesion. Also, the bound water itself manifested a unique hydrogen bonding state different from that of ordinary water," said Ken-ichiro Murata of Hokkaido University. Takako Igarashi of Kao Corporation added, "It has been thought that fabric softeners reduce friction between cotton fibers. However, our results showing the involvement of bound water in the hardening of cotton provide new insight into how fabric softeners work and can help us develop better agents, formulations and systems."





# COVID 19 CORONAVIRUS

## YKK produces essential parts for PPE for health workers

YKK is currently producing essential parts at its factory based in Runcorn, Cheshire, to help support the fight against Covid-19. The UK factory is producing critical fastenings for isolation/containment units, medical equipment and personal protective equipment (PPE), mattress protection and ventilator components.

The European R&D facility, also based at Runcorn is presently able to produce around 400 masks for YKK staff who are working in the

factory as well as for local schools and care homes.

Matthew Rawston, Leader - Product Development commented: "We were approached to make masks for local health workers and of course during these difficult times, we were more than happy to support – the masks that are currently being made are all using YKK products."

Tony Reilly, UK Group Managing Director said: "Without the dedication of our workers and staff

involved, this wouldn't have been possible. To be part of the fight against Covid-19 is something we are proud to support."

For further information, please contact Lynn Whittingham at YKK Europe Limited, at

[l\\_whittingham@ykk-europe.com](mailto:l_whittingham@ykk-europe.com) or by telephone on +44 (0)77 13098120.

[www.ykk-europe.com](http://www.ykk-europe.com)

Denimsandjeans Virtual is a different kind of virtual show to

### DORNIER

Lindauer DORNIER GmbH  
Rickenbacher Str. 119, 88131 Lindau  
Deutschland

Tel.: (+49 8382) 7 03-0  
E-Mail: [webmaster@lindauerdornier.com](mailto:webmaster@lindauerdornier.com)  
<http://www.lindauerdornier.com>

# **bari** | **Bari Textile Mills (Pvt) Ltd.**

Since 1994  
as winning for better living...



**TERRY PRODUCTS**



**KNITTED PRODUCTS**



**FASHION TOWELS**



**BED LINEN**

Visit us at

Hall 10.2 B21  
**heimtextil**



**12-15 January 2021**

## **CORPORATE OFFICE:**

29/a Block 2 Pechs  
Shahrah-e-quaideen  
Karachi 75400 Pakistan.  
Ph: +92 21 3454 5096-8  
Fax: +92 21 3455 5997  
Email: [info@baritextilemills.com](mailto:info@baritextilemills.com)

## **NY SHOWROOM**

SUITE 1616, 295, 5TH AVENUE,  
NEWYORK, NY, 10010, USA  
[www.baritextilemills.com](http://www.baritextilemills.com)  
[info@baritextilemills.com](mailto:info@baritextilemills.com)

## **US OFFICE:**

1215 LIVINGSTON AVE, STE. 4,  
NEW BRUNSWICK, NJ, 08902, USA



## Denimsandjeans Virtual – Answering Some Questions

be held for the denim industry on July 22-23 . So what makes this show different from any other virtual show ?

It is different because it has certain unique features which may not been seen before – that's what we feel. And these include :

- Virtual booths for exhibitors
- Face 2 face private video talks between buyers and exhibitors
- Exhibitors can showcase their products privately
- A trend zone showing some cool trends from the exhibitors
- Networking possibilities with all present at the show
- Getting bored – check out some cool —— ( to be disclosed ! )

Since its a new kind of concept , there are many questions which come to mind. We answer some of these in the FAQs below :

### Is it a local show or a global one ?

Denimsandjeans Virtual (DV) is a global show covering multiple time zones. The show is currently planned for 10 hours each day .

Central Europe: 7.30 am to

5.30pm

India: 11 am to 9 pm

Turkey: 8.30 am to 6.30pm

Pakistan: 10.30 am to 8.30 pm

Bangladesh: 11.30am to 9.30 pm

Vietnam: 12.30 pm to 10.30 pm

HK/ China: 1.30 pm to 11.30pm

Japan: 2.30pm to 12 midnight

Though in some time zones like Japan, it will be late , but our buyers from these zones will be able to spend at least good 5-6 hours in the show. Same for East Coast in US, Brazil, Mexico etc from where buyers can spend at least 4 hours easily at the show.

### Who can join the show

Apart from the exhibitors, buyers from all over the world can join the show . However, since the entry is restricted to registered buyers only , it is important that the buyers get themselves registered on this page and get the unique link to join the show. 15th July will be the last date for buyers to register at the show.

As a buyer, how can I interact with exhibitors and other visitors ?

The buyers will be able to see

a layout with all exhibitors. They can see the profile of the exhibitors and they can decide to have a meeting with any of them. The meeting between buyers and exhibitors will be private .

### Can the exhibitors showcase his collection to the buyers

Yes , the exhibitors can showcase his latest collection to the buyers by various means . They can setup a nice display in their office which can be seen by the buyer and show them physically. Or they can share their screens and showcase their digital files. For the companies who are already on our De-Brands platform will find it very easy to share their categorised collection with their buyers by sharing their screens.

### How does it work for technology and machinery companies

We believe its a great opportunity for the machinery and technology companies to show real operations of their new machines or technologies live to the buyers through the video talk.

### What apart from exhibitor – buyer talks ?

Hmm. We do have a seminar area where we will bring some (not too many) talks by our speakers and guests. They will be intermittent



and short but interesting. Speaking about latest trends, digitalization , retail etc.

### Trend Zone – how does it work ?

We will bring some cool products under various categories by our exhibitors which will be displayed in the trend zone . So relax while you watch through the trends flowing through with some music as you have your cup of coffee ! And you can always mark the products / technologies you find interesting and immediately connect with suppliers of those.

**But in a trade show we also want to network , meet our friends, peers and just have a chat !**

Well, we did not forget the basic human need to network . You shall be able to connect with anyone who is at the show , search them by names or companies , send them messages and get replies , ask how they are adapting in the the new normal , and ask them to join you for a coffee . How ??

*Well, let's leave some curtains to be opened on the day of the show !*

We are expecting over 45 companies to join us at the show from countries like Italy, Turkey, Pakistan, India, Bangladesh, China , Japan etc . Some of the confirmed companies include JDS Garments– Japan , Deridesen – Turkey, AGI DENIM – Pakistan , LNJ – India ,Ribbontex – Italy , Artistic Fabric Mills – Pakistan

, Indigo – Pakistan , Raymond – India , Elasten – Italy , Blu Connection – Singapore , Archroma , Kilim – Turkey , Officina+39 – Italy , Ramsons– India, Tonello – Italy , Yilmak Turkey , Nandan India , Atlas Textil Turkey, Garmon– USA and many more counting each day ..

So lets have a blast – network, enjoy , chat with industry friends from all over the world in real time ! And

also do some business .....

**REGISTER AND GET YOUR UNIQUE LINK**

for more info email us at [info@denimsandjeans.com](mailto:info@denimsandjeans.com)

## Mexican Textile & Apparel Industry – An Outlook



This is a report by Miguel Angel Andreu Marin from Cedetex- who has a long experience of the Mexican Textile Industry. He brings a macro analysis of the

Mexican Textile Industry and its Outlook in a report recently published by him. We bring some key findings that he shares :

### Key Findings

Mexico's total GDP grew 0.25% in 2019. Flat behaviour.

- Textile GDP decreased 4%
- Clothes (Apparel) GDP decreased 4.7%
- The knitting sector grew 2%

- United States of America GDP grew 2.9% in 2019.
- 2020 first quarter fell 5%
- By the end of the year could be a fall of 5.9% of more.
- 2019 mexican inflation rate was 2.83%
- During the first five months of 2020 inflation rate continue being less and less, 2.15% in april
- Before the beginning of



SDL Atlas Hong Kong  
Hong Kong  
3J, Garment Centre, 576 Castle Peak Road,  
Kowloon, Hong Kong

P:: +852 3443 4888  
F: +852 3443 4999  
E: [info@sdlatlas.com.cn](mailto:info@sdlatlas.com.cn)

covid times, March 6th, the Exchange Rate begins to depreciate with respect to the United States Dollar, starting on \$18 Mexican pesos per U.S. Dollar, reaching a maximum of \$ 25.12 on March 24th

- Starting in May, the exchange rate began to recover. Around \$ 22 during the first fortnight of June.
- Despite the fact that the unemployment rate increased from 4.4% to 14.7% between March and April in the U.S.A. This country continues to be the main origin of money orders (remittances) to Mexico. The flow of this resource had a decrease of only 2.6% during the month of April compared to the same month of the previous year, with an amount of 2,861 million US dollars.
- Remittances increased 50% in March 2020 compared to the previous month, they were \$ 4,694 million dollars.
- In April, they resumed the trend they have had in recent years, increasing 6.2% compared to February 2020
- The average wage of insured workers to the IMSS reached an amount of \$ 403.6 (four hundred three point six pesos). More or less, USD \$20 per day.
- The closure of Full Package suppliers in China and other Southeast Asian countries during the first quarter of 2020 led to additional orders for garments and footwear from Mexican factories.
- Total value of Imports of clothing from the World to the United States decreased 19% comparing January-April 2020 with the same period of the previous year, Mexico lost 25% . China had the biggest drop,
- Sales strategies that may be proposed in the near future by some big Mexican stores, as well as some the United States brands, could be delaying mark downs until the end of the season (Spring until August, Winter until March)
- Request their clothing suppliers, in different countries of the World, to acquire and use digital

platforms for communications and collaborative design and production networks with their contractors

- Transform purchase orders, placed before the pandemic, into Fall-Winter collections
- Most textile and apparel factories in Mexico has been closed during the last three months. The fall of this industry GDP could be around 20% for the second quarter of 2020.
- With the “return to new normal”, the drop in GDP for the next three quarters would be less and less until it began to grow from the second quarter of 2021 on.

In the charts below, Miguel shares the contribution of the Mexican TExtile and Apparel industry to the Mexican GDP. It is interesting to note that only about 3.8% of the GDP comes from Textile and Apparel. And this % seems to have reduced in 2020 compared to 2019 .



# SAURER.

SAURER AG Bleikenstrasse 11  
9630 Wattwil Schweiz  
info@saurer.com

## Testimonials from Atlas Copco Customers

We're proud to be able to provide effective solutions for our customers. No matter the industry, application, or geography, our equipment can meet your needs. Read on for how our products have helped others!

"Uninterrupted and clean compressed air supply is crucial for a textile unit and being a Utility Manager it's my job to ensure it. My decision to opt for Atlas Copco's premium plus machine stems from the reliability and technical superiority that the model offers. Despite 24/7 operation and demanding conditions, the compressor's performance is magnificent." **Muhammad Ali Sohail, Manager Power Generation & Utilities, Union Fabrics (Pvt.) Limited**

"Since I bought Atlas Copco premium VSD+ Compressor Package, I don't have to worry about downtime or contamination. Along with the peace of mind, we are satisfied with the energy savings from Variable Speed Drive iPM Motor" **Khurram Khan, Director, Vision tech Export International Pvt. Ltd.**

"Our experience with Atlas Copco is up to the mark for the machine performance and services. We are achieving superb energy saving from the Atlas Copco GA90 and GA90 VSD. It's highly reliable and energy-efficient solution for our applications. We would totally recommend Atlas Copco oil-injected screw compressors." **Abdul Waheed, General Manager, Bismillah Industries**

"Atlas Copco On-Site Nitrogen

Generator has helped us in fulfilling our N2 gas requirements. Not only we are receiving independent and non-stop supply of N2 gas at desired purity but also saving a substantial sum of money as compared to previous gas cylinder setup." **Farhan Arif, Plant manager, Oleocorp Pakistan Pvt Ltd.**

### ISO-certified clean air for high quality textile production

We have developed 100% oil free compressors for applications demanding the highest levels of purity.

### Zero oil means more efficient production, reduced repair & maintenance costs and improved product quality with less wastage:

- **Air-jet weaving:** less downtime, reduced replacement costs, fewer rejections no blocked and damaged nozzles no fabric staining prevent exhaust air from depositing on the reeds, attracting dust and fibers and causing the reeds to stick together and break
- **Air-jet spinning:** smoother production, less maintenance clean air prevents nozzle logging and stains on the yarn
- **Pneumatic transport:** no instrument damage and pipe clogging, increased safety avoid substandard products, fire hazard and damage to controls and instrumentation components
- **Texturizing:** less production stoppage, better quality yarn prevent oil blockage, causing

uneven intermingling and damage to the yarn

## Customer Right Approach for Compressor Maintenance

Artistic Milliners (Pvt.) Ltd. is an organization focused on manufacturing and exporting premium quality denim products in a fully vertically integrated textile set-up, having the production capacity of 36 million meters per annum. No less than 20 Atlas Copco oil-free screw compressors of ZR series and refrigerant dryers of FD series are installed in its denim units, 2 and 5.

Artistic Milliners has shown its loyalty towards Atlas Copco compressed air solutions from time to time and is possibly the most concerned Atlas Copco customer in Pakistan towards the timely and proper maintenance of its compressors and dryers.

A major overhaul of their first ZR-250 compressor was performed by Atlas Copco's Karachi service team in unit 5 after completion of its 40,000 running hours. It included replacement of consumables/wearing parts in Inlet Valve, Drive Shaft, Oil Pump,



Biancalani s.r.l.  
Via Menichetti, 28  
59100 Prato - Italy  
Tel. +39 057454871  
Fax +39 0574633491

E-mail [contacts@biancalani.com](mailto:contacts@biancalani.com)  
[www.biancalani.com](http://www.biancalani.com)



Coolers, Silencer, Oil, etc. along with replacement of complete HP element with its bearing and Drive Shaft bearings.

On a safe estimate, this timely maintenance activity will saved Artistic Milliners unit 5, a staggering PKR 1.5 to 1.9 Million

approx. each year, which was previously wasted due to HP element deration and bearing resistance.

## 07/08/2020 World premiere: The L 509 Tele is Liebherr's first telescopic wheel loader



The new L 509 Liebherr telescopic wheel loader combines the lifting height of a regular telescopic loader with the handling performance of a classic wheel loader.

The new Liebherr L 509 Tele telescopic wheel loader is a unique multifunctional machine which combines the lift height and reach of a regular telescopic loader with the productive material handling capacity of a classic wheel loader: The benefits of two machine types in a single product.

Developed on the basis of the Speeder L 509 stereoloader this

new telescopic wheel loader retains the proven stereo steering and can reach a top speed of 38 km/h as standard thanks to the powerful hydrostatic travel drive. It also complies with the emission stage V/ Tier 4f specifications.

Instead of classic wheel loader lift arms, the new L 509 Tele has an extendable telescopic lift arm which can lift to a height of 4.8

m with a fork attachment. Thanks to the integrated z-bar kinematics the telescopic lift arm enables the operator to load containers and lorries at great heights or stack loading material. When working with a fork attachment, no manual readjustment is necessary, because the Liebherr engineers have optimised the parallel movement during fork operation.



J. Zimmer Maschinenbau GmbH  
Screen & Coating Systems  
9020 Klagenfurt, Ebentalerstraße 133  
AUSTRIA

Phone: +43.463.3848-0  
Fax: +43.463.3848-283  
E-Mail: sales@zimmer-austria.com

## Increase oil life and system efficiency with Klüberplus Z 03-30 US

In these uncertain times, protecting the bottom line is more important than ever. Strained thermal oil systems increase the risk of equipment failure and often require a stop in production to clean or repair parts.

Klüberplus Z 03-30 US can be used to clean your thermal oil system during production making it a uniquely efficient solution. By replacing 3-5% of the thermal oil with the Klüberplus Z 03-30 US, the treated oil will disperse and suspend the varnish and can be either drained or filtered, removing all contaminants with it. This can be done in place of thermal oil reconditioning or during a full system drain and refill.

Intended to extend oil life and protect circulating systems, Klüberplus Z 03-30 US offers many benefits for your application:

- Reduced maintenance by dissolving carbon deposits without needing to dismantle the system to clean.
- No downtime due to being used during operation.
- Easy to use thanks to neutral behavior towards seals and simple 1 to 20 dilution ratio
- Higher efficiency with smaller energy footprint and longer oil life.
- Improved safety through

increased thermal stability of the thermal oil.

Klüber Lubrication understands that when the stakes are high for businesses, the priority is efficiency and uninterrupted production. Klüberplus Z 03-30 US was designed to help your business run safely and efficiently despite the challenges of industry today.

Prevent costly repairs and profit loss with Klüberplus Z 03-30 US. Contact Klüber Lubrication to learn more about our full range of products and how they can help you stay ahead of the competition.

## Ionic liquids – innovative lightning conductor in e-mobility

Electroerosion in rolling bearings of electric motors is a phenomenon which has been known for a long time. Due to the sharp increase in e-mobility this issue is taking a new dimension.

The topic will gain additional importance in the future as the increasing use of frequency

converters in modern power transmission systems for continuous speed control of motors and generators will lead to more damage caused by electric erosion. Also the current trends towards using higher voltages, e.g. in automotive vehicle power systems, will result in higher energy discharges in the future. For

more than 20 years, the tribology expert Klüber Lubrication has been researching into the use of ionic liquids for innovative lubricant concepts especially in this segment. This modern concept turns the lubricant into a “lightning conductor” to prevent harmful potentials from forming. In addition to the vehicle-relevant

data like speed, smooth operation and extended service life, this new generation of speciality lubricants also addresses the issue of electric conductivity.

#### Damage caused by electroerosion

Electroerosion in rolling bearings of electric motors or other electric components is caused by the undesirable passage of current through the contact zone between the rolling element and the raceway. Thus, heat is generated which locally melts the surface. Small pittings several micrometres in size are formed. In subsequent operation grooves may arise across the raceways as secondary damage. Both types of damage lead to the generation of undesirable bearing noise at first and finally to premature failure.

There are several design approaches to solve this problem, e.g. by insulating the inner or outer rings or using ceramic rolling elements. These measures, however, do not always bring about success, despite the high costs they incur. A simpler yet more promising approach is to use a lubricant of low impedance, which is a design element of the component anyway, to dissipate the currents generated.

Basically, however, lubricants are insulators. It is precisely because they block the passage of electric currents that they increase voltage build-up in bearings components made of metal.

Traditional solutions involve the use of black lubricants based on graphite and carbon, which, on the one hand, can also prevent parasitic currents. On the other hand, they contain black, solid graphite particles which impede smooth running. As such particles are displaced from the friction point over time and are subject to change by the mechanical load, electroconductivity of these greases decreases continuously.

#### Promising lubricant innovations

The method of making the lubricant conductive by adding ionic liquids to dissipate the currents generated shows clear advantages over the use of "black lubricants". Especially high-frequency EDM (Electric Discharge Machining) currents can be neutralised by suitable lubricant designs.

Klüber Lubrication is currently the only manufacturer who can offer such a solution and owns three patents for using ionic liquids in lubricant formulations. One of these patents implies their use as a base oil, the other two patents refer to the additivation.

#### Ionic liquids – background

In simple terms, ionic liquids are liquid salts. They do not have a stable crystal structure because it is prevented by charge delocalisation and steric effects. By definition, the melting point of these salts is below 100 °C and in many cases

even far below this point, with the result that the salts are already liquid at room temperature. The properties of ionic liquids can be varied according to requirements by modifying the cations or anions. Thus, they are predestined for use in many areas of chemical process engineering.

Ionic liquids and their properties have already been known for more than hundred years, however then received little attention for a long time and were not used in products or processes. Owing to their electric conductivity they reduce undesirable passage of current, which make them an interesting solution for bearings in electric motors.

Klüberlectric BQ 72-72, EDM currents measured in A as a function of speed and temperature (TU Darmstadt)

With an adequate number of cations and anions ionic liquids also offer excellent resistance to oxidation. They are thermally stable and can be used at temperatures as high as 150 °C, are hardly inflammable, very soluble and non-toxic. Their extremely low vapour pressure is another advantage. Unlike speciality lubricants containing conductive particles, ionic liquids do not have a negative effect on noise. Several greases already proved their suitability for high speeds. They currently achieve speed factors exceeding 1 million n x dm. Klüber Lubrication aims at speed factors > 2 million n x



dm.

Ionic liquids considerably increase the service life of bearings and therefore contribute to sustainability. As the energy impact of undesirable electric currents provokes not only damage to the bearings but also affects the lubricant's performance and decomposes the lubricant due to the extremely high peak temperatures, another positive effect is that they help extend grease lifetime.

Comprehensive test rig examinations followed by tribological analyses provide information on the condition of the used lubricant as well as that of the bearing. An important feature in this context is the interplay of results relating to the bearing and

those relating to the lubricant. Due to the detailed examination of each component, any possible damage can be identified with great accuracy.

Test rig results showed that bearing and lubricant damage arising from electric currents are considerably reduced when using ionic liquids.

#### Ionic liquids – outlook

In cooperation with strong partners from the industry Klüber Lubrication currently works on further optimising the conductivity of lubricants while still maintaining their tribological performance by means of ionic liquids. In case of a very high level of energy passage, it is not yet possible at this stage to

solve the problem of undesirable current passage merely by means of the lubricant. This, however, would be highly desirable for the industry, because it could reduce the size of bearings. An interesting approach is the combination of insulating bearings and additional discharge elements containing electroconductive lubricants.

#### Conclusion

Being a design element, the lubricant is a crucial factor when it comes to the efficiency and reliability of mechanical components. Experts like Klüber Lubrication research on continuous development as lubricants are key in extending the service life of components and increasing both the energy efficiency and sustainability.

## BECHEM at a glance.

Partner of the industry worldwide.

BECHEM is one of the leading manufacturers of high-quality special lubricants and metal working fluids. BECHEM is development partner of the industry with high competence for tailor-made solutions, regardless of whether for the development of for-life lubricants for the automotive industry, machinery and plant engineering, or process optimisation in metal working operations. With the extended

lifetime of components, machines and tools BECHEM lubrication products considerably contribute to the success of our customers.

Our guiding principle.

Tomorrow's technologies. Today. – With their lubrication solutions BECHEM does not only meet today's challenges but also sets standards for future-oriented lubricant applications and technologies. Examples are our product concepts Beruforge



US Apparel & Textiles (Pvt) Ltd.  
Raiwind Defence Road,  
Khizarabad Stop,  
Lahore.

Tel: +92-42-35340034-48  
Fax: +92-42-35340049-50  
Email: info@usaparel.com

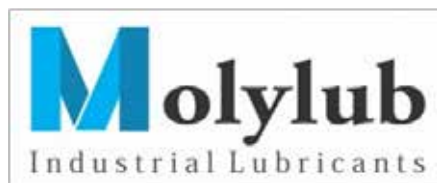
150, Berucoat MC, Berufluid and BECHEM Unopol AL.

Home Lubricants

Special lubricants product range

BEICHEM offers the industrial user a high-performance range of lubricants for various tribological challenges. This includes lubricating greases and pastes,

lubricating oils, anti-friction coatings as well as process fluids which cover the complete range of metal working operations.



MOLYLUB is specialized in development and manufacturing of special lubricants for Industrial applications.

### Sinker and ring-traveler oils for Textile machinery

Molylub subsidiaries manufacturing and blending lubricants in Germany and Benelux. High quality products, short delivery times and attractive prices make the company, which is certified according to DIN EN ISO 9001:2008, ISO/TS 16949:2009 and ISO 14001, a recognized partner for major Industrial customers. Quality management is applied to all areas of operation of MOLYLUB.

Detailed descriptions of production and operation procedures guarantee a consistently high standard of product quality. Regular customer surveys allow weak points to be quickly found and dealt with. Molylub International provides a comprehensive selection of high-quality industrial oils, metalworking fluids, lubricating greases, manufactured for today's markets. There are more than 500 lubricant formulations available for different requirements and

applications.

### Molylub SpinTex, KnitTex, GoldTex

range of sinker and needle lubricants has been developed to meet the increasingly demanding requirements of modern knitting machine technology. Only highly effective, readily scourable oils such as the KnitTex W and KnitTex WX range can give a reduction on fabric waste due to staining, therefore reducing costs.

Molylub Metalworking fluids are manufactured under strict quality control standards and contain an optimum balance of selected additives to insure long-term stability, extended tool life, excellent surface finishes and proper corrosion protection. Molylub complete line of coolants include soluble oils, semi-synthetics and full synthetics, all of which are homogeneous, stable solutions that are clean and highly resistant to foaming and bacterial degradation. These built-in properties provide for long

coolant life with the elimination of foul odours, employee complaints and valuable downtime.

### Molylub Metalworking coolants

as Molylub CutFluid and SynGrind have been relied on by machine metalworking workshops, OEM and other manufacturers for their metal removal and finishing needs. Formulated computable with hard or soft water these coolants are used in lathes, mills, chuckers, bar machines, stamping presses, saws, and all types of grinders. Company offers a comprehensive program of specially adapted industrial lubricants.

On the following pages you have an overview of our range of industrial lubricant applications: from a standard range with proven top quality to tailored special lubricants for individual solutions. If you don't find a product you are looking for or you have questions relating to our products, please contact us. We hope to help answer your all your questions.



Because advertising matters...  
**Textile Times**<sup>®</sup>  
 A Monthly Magazine



## Supervisory Board of Schaeffler AG with five new employee representatives



**Mr. Thorsten Möllmann**  
Senior Vice President  
Global Communications & Branding  
Schaeffler AG

### HERZOGENAURACH,

2020-05-08.

- Employee representatives chosen by regular election
- New Supervisory Board holds constitutive meeting
- Andreas Schick continues as COO

At its meeting on May 8, the Schaeffler AG supervisory board was regularly reconstituted. After the ten shareholder representatives were newly elected by the Annual General Meeting last year, the Schaeffler Group employees

elected the ten employee representatives on the Supervisory Board this year.

Andrea Grimm, Susanne Lau, Barbara Resch, Salvatore Vicari and Jürgen Wechsler were re-elected, Thomas Höhn, Jutta Rost, Jürgen Schenk, Helga Schönhoff and Markus Zirkel were newly elected. Norbert Lenhard, Dr. Reinhold Mittag, Dirk Spindler,

Jürgen Stolz and Jürgen Worrich have stepped down.

Georg F. W. Schaeffler, Family Shareholder and Chairman of the Supervisory Board of Schaeffler AG, thanked the departing members for their positive and constructive contribution.

At its constitutive meeting held following today's Annual General Meeting, the Supervisory Board re-elected Jürgen Wechsler, the former Regional Director of IG Metall Bavaria, as its Deputy Chairman.

### Contract with Andreas Schick renewed

The Supervisory Board today

also renewed Andreas Schick's contract as a member of the Executive Board for a term of five years. Andreas Schick was appointed to the Executive Board as Chief Operating Officer in 2018. He first joined Schaeffler in 1994 and prior to his appointment to the board held various management positions at national and international level.

"Andreas Schick has done a very good job in the past three years. Above all, I would like to positively mention his great commitment in coping with the current coronavirus crisis. On behalf of all members of the Supervisory Board, I wish Mr. Schick the best of luck and success in his challenging role," Supervisory Board Chairman Georg F. W. Schaeffler said.



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





A. Monforts Textilmaschinen GmbH & Co. KG  
Blumenberger Str. 143 - 145  
41061 Mönchengladbach  
Tel.: +49 (0) 2161 / 401 - 0  
marketing@monforts.de  
www.monforts.de

# GROZ-BECKERT®

Groz-Beckert KG, Parkweg 2, 72458 Albstadt  
Germany  
E-Mail: contact@groz-beckert.com  
Phone: +49 7431 - 10 0  
Fax: +49 7431 - 10 2777



H-23/1, Landhi Industrial Area  
Karachi - 75120, Pakistan  
+ 92 213 - 508 1305  
+ 92 213 - 508 1226  
www.yunustextile.com



CHT R. Beitlich GmbH  
Bismarckstr. 102, D-72072 Tübingen  
Tel: +49 7071 154 0  
Fax +49 7071 154 290  
info@cht.com



KARL MAYER Textilmaschinenfabrik  
GmbH Brühlstr. 25  
63179 Obertshausen  
Deutschland  
Tel.: (+49 6104) 4 02-0  
E-Mail: info@karlmayer.com  
http://www.karlmayer.de

# DORNIER

Lindauer DORNIER GmbH  
Rickenbacher Str. 119, 88131 Lindau  
Deutschland  
Tel.: (+49 8382) 7 03-0  
E-Mail: webmaster@lindauerdornier.com  
http://www.lindauerdornier.com

# TEXLYNX

1485/C-1A Sarwar Road  
Lahore Cantt.  
Email: info@texlynx.com  
Phone #: 0092-423-6688770-7

# KMLG

Kohinoor Maple Leaf Group

Address: 42 Lawrence Road, Lahore, Pakistan 54000  
Phone: +92 (0) 42 6278904-5, +92 (0) 42 6373068-9  
Phone: +92 (0) 42 6302261-2  
Mr. Tariq Sayeed Saigol  
CHAIRMAN  
Phone Exchange: +92 (0) 42 36302261-2 & 36278904-5  
Fax: +92 (0) 42 36368721  
tariq.saigol@kmlg.com

# USTER®

Think quality

Uster Technologies AG  
Sonnenbergstrasse 10, CH-8610 Uster  
Switzerland  
Phone: +41 43 366 36 36, Fax: +41 43 366 36 37

TEXTILMASCHINEN

# Thies

THIES GmbH & Co. KG  
Borkener Str. 155, 48653 Coesfeld, Deutschland  
Tel.: (+49 2541) 7 33-0  
E-Mail: thies@thiestextilmaschinen.de  
http://www.thiestextilmaschinen.de



# Biancalani

MACCHINE TESSILI

Biancalani s.r.l. - Via Menichetti, 28 -  
59100 Prato - Italy -  
Tel. +39 057454871 -  
Fax +39 0574633491 -  
E-mail contacts@biancalani.com  
http://www.biancalani.com

SDL Atlas Hong Kong SDL Atlas  
Hong Kong  
3J, Garment Centre, 576 Castle Peak Road,  
Kowloon, Hong Kong  
P: +852 3443 4888  
F: +852 3443 4999  
E: info@sdlatlas.com.cn



HEADQUARTERS  
ARCHROMA MANAGEMENT LLC  
Neuhofstrasse 11, 4153 Reinach  
Switzerland  
Tel: +41 61 716 3401



Italy — Itema s.p.a.  
via Cav. Gianni Radici  
24020 Colzate, Italy  
Phone +39 035 728 2111  
Fax +39 035 740 505

Switzerland — Itema  
Korporationsweg 13c  
8832 Wilen b. Wollerau, SZ  
Switzerland  
Phone +41 (0)43 488 21 21  
Fax +41 (0)43 488 21 01  
info-ch@itemagroup.com



Loepfe Brothers Ltd.  
CH-8623 Wetzikon/Switzerland  
P.O. Box 582  
Phone +41 43 488 11 11  
Fax, +41 43 488 11 03  
E-mail: info@loepfe.com  
http://www.loepfe.com



Stiftung OEKO-TEX GmbH  
Kaiserstraße 39  
D-60329 Frankfurt a. M.  
Phone: +49 69 40034080  
Telefax: +49 69 4003408299  
E-mail: info@certification-oekotex.com  
Internet: www.oeko-tex.com



BRÜCKNER Trockentechnik GmbH & Co. KG  
Benzstrasse 8-10 / Postfach 11 54  
71229 Leonberg / 71201 Leonberg  
GERMANY  
Fon: +49-(0)7152/12-0, Fax: +49-(0)7152/12-9254  
mail@brueckner-tm.de  
www.brueckner-tm.de



Oerlikon Textile GmbH & Co. KG  
Leverkuser Str. 65  
42897 Remscheid  
Deutschland  
Tel.: (+49 2191) 67-0  
E-Mail: info.textile@oerlikon.com  
http://www.oerlikontextile.com



Picanol - HEADQUARTERS  
Stevelyncklaan 15  
8900 Ieper  
Tel. +32 57 22 21 11  
Fax +32 57 22 22 20



SAURER AG  
Bleikenstrasse 11  
9630 Wattwil  
Schweiz  
info@saurer.com



Savio Macchine Tessili SpA  
via Udine, 105 - 33170 Pordenone / Italy  
Phone +39 0434 3971  
Fax +39 0434 397656  
mail: mail@saviospa.it



British Textile Machinery Association  
City Heliport  
Liverpool Road  
Eccles, Manchester  
M30 7RU United Kingdom  
T: +44 (0)161 775 5740  
F: +44 (0)161 775 5485  
E: btma@btma.org.uk  
www.btma.org.uk



ACIMIT  
Via Tevere, 1  
20123 Milano (ITALY)  
PH: +39 02 46.93.611  
FAX: +39 02  
48.00.83.42  
EMAIL: info@acimit.it



Spindelfabrik Suessen GmbH  
Administration  
Donzdorfer Strasse 4  
D-73079 Süssen  
Germany  
Phone: +49 (0)7162 15-0  
Fax: +49 (0)7162 15-367  
E-mail: mail@suessen.com



US Apparel & Textiles (Pvt) Ltd.  
Raiwind Defence Road,  
Khizarabad Stop,  
Lahore.  
Tel: +92-42-35340034-48  
Fax: +92-42-35340049-50  
Email: info@usaparel.com



Kapuzinerstr 4, 47608 Geldern  
Germany  
Tel: +49-(0) 2831 9776 786  
Email: info@fashiontimes.co

Asia Office  
House 1183, Street 1, G-9/2, Islamabad - 44000,  
Pakistan  
Tel: +92-51-2855125, Fax: +92-51-2855115





## AS WE FLAUNT OUR SUBLIME RANGE OF PRODUCT & SUPREME QUALITY

As'habi Textile, Private Limited Company, has transformed into a powerful competitor in the field of Home Textile since 1993, with an annual production capacity of 60 million meters. This family owned business aims to bring together a fusion of experiences of both the old and new generations. Our state-of-the-art computerized technology is directed at modernizing production and quality control processes. Our advanced systems improve product quality and increase production efficiency. Lead by a team of experienced directors and backed by young and dynamic individuals, we believe in promoting the business with progressive results.

Establishing a successful business relation with renowned retailers has been a part of our business strategy at As'habi Textile. We maintain a rewarding association with leading retailers in USA and Europe.

Furthermore As'habi Textile continuously strives to develop market leading merchandise by focusing on excellent product quality, working with cutting edge plant, machinery and developing value added products for retailers with a "passionate attitude for excellence"



heimtextil



Hall 10.2  
B35

heimtextil

Frankfurt am Main  
12.-15.1.2021

**Plot No D-24, South Ave, SITE Industrial Area, SITE, Karachi, Pakistan**

Phone: +92 (21) 32577307, +92 (21) 32577318 Fax: +92 (21) 32562359

Email: kumail@ashabitek.com

Web : www.ashabitek.com





Address: Plot # C-8, Scheme-33  
S.I.T.E, Super Highway, Karachi  
Pakistan  
Phone: (021) 36881746  
Email: afroze@afroze.com  
Web: www.afrozetextile.com

heimtextil


Hall 10.2 Stand A97  
12 to 15 January 2021



# Textile Times June 2020 Advertising Index

|                              |                    |
|------------------------------|--------------------|
| Afroze Textile Mills         | 131                |
| Ashabi Textile Mills Pvt Ltd | 130                |
| Bari Textile Mills           | 117                |
| Biancalani Srl               | Inside Title Cover |
| Bio-Chem Textile             | 7                  |
| Brazzoli Srl                 | 17                 |
| Brueckner                    | 89                 |
| CHT                          | 9                  |
| Heimtextil                   | 113                |
| ITM Istanbul 2021            | 12                 |
| Khantex Intl BUSI            | 27                 |
| Khantex Intl EAS             | 35                 |
| Khantex Intl MELCO           | 71                 |
| Khantex Intl Mesutronic      | 75                 |
| Khantex Intl SCHMIDT         | 59                 |
| Lenzing AG                   | 6                  |
| Mayer & Cie                  | 19                 |
| Mesdan                       | 5                  |
| Oerlikon                     | Title Cover        |
| Picanol NV                   | 8                  |
| Pulcra Chemicals             | Inside Back Cover  |
| Retech AG                    | 89                 |
| Rieter                       | 4                  |
| Saurer                       | 3                  |
| Van De Wiele                 | Back Cover         |





**PULCRA CHEMICALS –**  
SUPPLIER OF INNOVATIVE  
**SPECIALTY CHEMICALS**  
WITH PROFOUND  
PROCESS AND ENGINEERING  
**KNOW-HOW.**

[info@pulcrachem.com](mailto:info@pulcrachem.com)  
[www.pulcra-chemicals.com](http://www.pulcra-chemicals.com)

**Pulcra** Chemicals  
*The solution specialist*





We imagine, build and integrate innovative textile systems for flooring qualities, home linen, fashion fabrics and technical textiles.

Sharing inspiration and expertise with our customers worldwide, we shape the textile industry of the future.

Creating success for them all, from yarn to finished product.

Hall 5 Booth A44

**DOMOTEX**

2021

15 - 18 January



CARPET WEAVING MACHINES

VELVET WEAVING MACHINES

TUFTING SYSTEMS

ADVANCED KNITTING TECHNOLOGY

YARN EXTRUSION LINES

ADVANCED HEAT-SETTING

JACQUARD SYSTEMS

HARNESSES

WEFT INSERTION SYSTEMS

FINISHING MACHINES

YARN TRADING

QUALITY ASSURANCE FOR TEXTILES

PRODUCTION MANAGEMENT

inspired by  
**Expertise**

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

