Textile Trends

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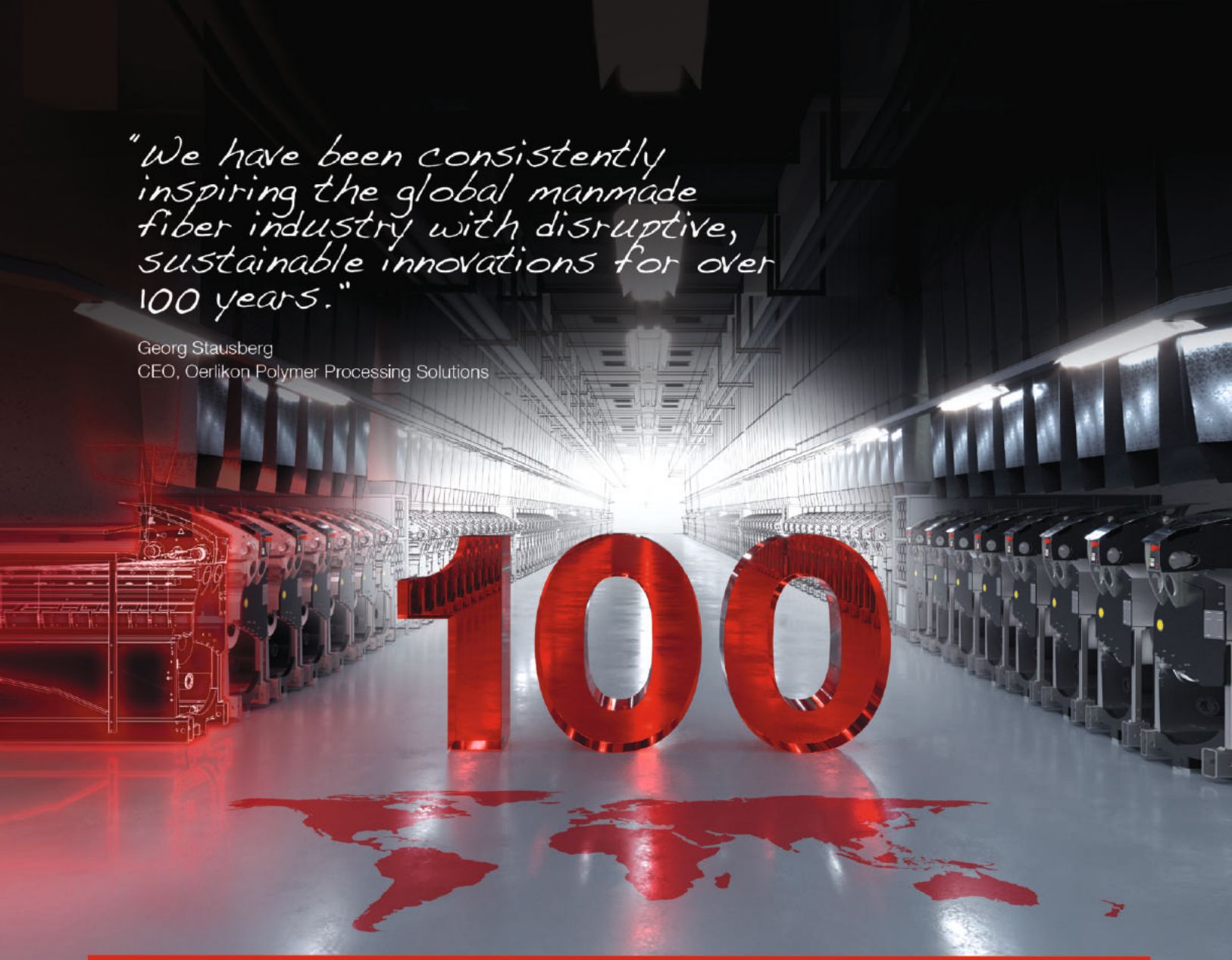

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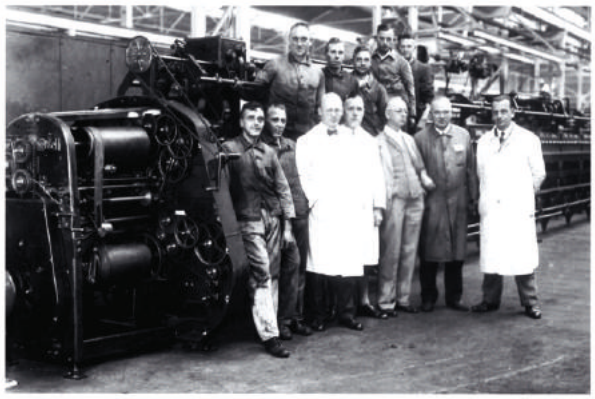

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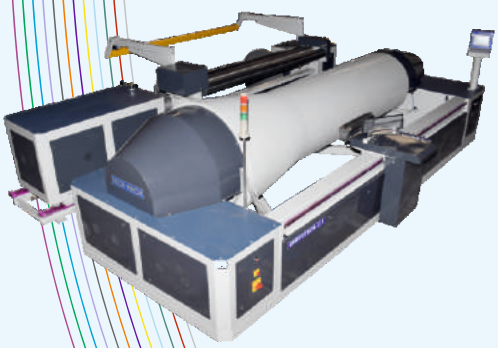

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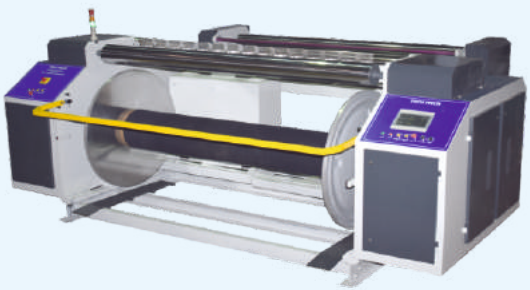

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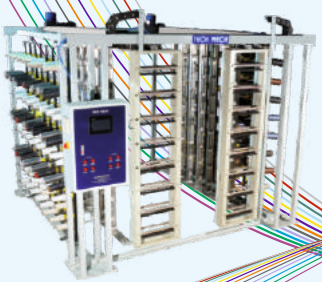

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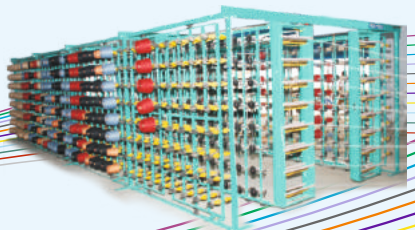

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EDITORIAL

Crisis Looms for Silk Weavers in Azamgarh

Weaving of Banarasi Saree is not confined to Banaras only. Silk saree weavers mostly belonging to Muslim community are spread across U.P. Here, I shall focus only on Azamgarh, a district town of U.P. Azamgarh is a clean city, road well-paved and no open sewage drains are visible anywhere, most of the people bear signs of relative affluence. But this is not attributable to Azamgarh's marquee industry—Silk Saree Weaving. Azamgarh where many skilled silk weavers live in for many centuries. They weave silk sarees which are sold as Banarasi saree across India. Azamgarh's silk saree handloom industry which dates back to the 14th century earned huge reputations. The silk sarees made in this town are symbol of status in wealthy community. But recent chain of events has exposed deep flaws, which in many ways threaten the future of the fine art of hand-woven silk sarees.

In recent months the price of raw silk has almost doubled, this price of the main raw material has damaged this handloom industry severely. The Cyclone in 2021 in Karnataka hit hard sericulture which had adverse impact on supply of raw silk which actually attributed to the price-rise of the raw silk.

This price-rise forced the weavers to curb their purchase of raw silk. This has left the many handlooms idle. Weavers and their families who work on them earning a pittance have been forced to seek employment elsewhere. Imports of raw silk from Vietnam and China also declined. Government has reduced the 10% subsidy on purchase of raw silk. The introduction of power-looms which gained considerable traction after 2005, further dented the prospects of silk handloom industry of Azamgarh. Power-loom can produce silk sarees much faster, but no match for uniqueness of hand-crafted products which are produced only by Azamgarh's Muslim weavers.

Weavers are paid a fixed rate for every saree, the rate varies from Rs.800/ - 1000/- of a Banarasi saree which takes 7 days to be finished. Banarasi saree which is retailed for thousands, its price rises to lakhs of rupees after passing through various intermediaries. Samiullah, a small scaled handloom operator told with dismay, 'I have two sons, neither is interested in learning weaving silk sarees, my ancestors were weavers, this will finish with me'.

IMF cuts global growth estimates on Russia's war in Ukraine

The International Monetary Fund will cut its global growth estimates for 2022 and 2023 as Russia's war in Ukraine drives food and energy prices higher, piling pressure on already fragile economies, managing director Kristalina Georgieva said recently, warning the world was in "a very dangerous time". The global lender will downgrade its growth outlooks for 143 economies representing 86% of global economic output, although most countries will maintain positive growth, Georgieva said in a "curtain raiser" speech. Georgieva, who previously flagged a likely downgrade, said Russia's invasion of Ukraine was "sending shockwaves throughout the globe" and dealing a massive setback to countries struggling to recover from the still-raging Covid-19 pandemic. "The root cause of what we face today is the war, and it is the war that must end," Georgieva said in remarks to the Carnegie Endowment for International Peace in Washington. "In economic terms, growth is down and inflation is up. In human terms, people's incomes are down and hardship is up." Western sanctions imposed on Russia reflected "a global order than has been severely impacted," she added, warning of a major new threat, the fragmentation of the global economy into geopolitical blocs, with differing trade and technology standards, payment systems and reserve currencies. She said the war was also aggravating food insecurity across the globe, given disruptions to grain and fertiliser supplies from Ukraine, Russia and Belarus that are driving up food prices and hitting the weakest countries the hardest. Without urgent, coordinated action to bolster food supplies, many countries face more hunger, poverty and social unrest, she said. It was also imperative to improve longer-term resilience by diversifying agricultural prodcution, much as vaccine production was spread out regionally during the pandemic. ❐

US inflation soars to new 40-year high

US consumer prices rose in March by the most since late 1981, evidence of a painfully high cost of living and reinforcing pressure on the Federal Reserve to raise interest rates even more aggressively. Gasoline costs drove half of the monthly increase, which were up on account of the Russia-Ukraine war, while food was also a sizable contributor to the jump. The consumer price index increased 8.5 per cent from a year earlier following a 7.9 per cent annual gain in February, the Labour Department data showed recently. The widely followed inflation gauge rose 1.2 per cent from a month earlier, the biggest gain since 2005. Excluding volatile food and energy components, so-called core prices increased 0.3 per cent from a month earlier and 6.5 per cent from a year ago, due in large part to the biggest drop in used vehicle prices since 1969 and a deceleration in price growth in other merchandise categories. Treasuries rose and the dollar erased an earlier advance to weaken after the data showed core inflation rose less than forecast. The S&P 500 index opened higher. Used car prices, which had been a driver of higher goods inflation for months, were down 3.8 per cent in March, the second straight monthly decline. New car prices, meanwhile, rose slightly. The figures are "a welcome respite from the sustained heated core increases of late, and fuel costs look to ease in response to the recent pull-back in oil prices," Sal Guatieri, senior economist at BMO Capital Markets, said in a note. "However, food, rent, and a few other items look to remain troublesome and act to slow the expected retreat in inflation in the year ahead." The March CPI reading represents what many economists expect to be the peak of the current inflationary period, capturing the impact of soaring food and energy prices after Russia's invasion of Ukraine. ❐

WTO trims 2022 global trade growth forecast on Ukraine war

The World Trade Organization (WTO) recently lowered its 2022 global trade forecast to 3 per cent, from 4.7 per cent, due to the ongoing conflict between Russia and Ukraine and a potentially more transmissible Omicron subtype fettering China. The forecast for 2023 is 3.4 per cent. Prospects for the global economy have darkened since the outbreak of war in Ukraine on February 24. These prompted economists at the global trade

watchdog to reassess their projections for world trade over the next two years, it said in a statement. However, these figures may be revised due to uncertainty about the course the conflict could possibly take. Geopolitical tensions have resulted in commodity prices rising sharply. Since Russia and Ukraine are key providers of food, energy, and fertilisers, their supply has become arduous. In addition, lockdowns in China may trigger renewed shortage of manufacturing inputs and higher inflation. "The war in Ukraine has created immense human suffering, but it has also damaged the global economy at a critical juncture. Its impact will be felt around the world, particularly in low-income countries, where food accounts for a large fraction of household spending," said Ngozi Okonjo-Iweala, director-general, WTO. "Smaller supplies and higher prices for food mean that the world's poor could be forced to do without. This must not be allowed to happen," she added. ❐

Slowdown in China soars risk for global economy

A prolonged slowdown in China will have substantial global spillovers, said IMF Managing Director Kristalina Georgieva recently, but added that Beijing has room to adjust policy to provide support. The International Monetary Fund, recently, cut its growth forecast for China this year to 4.4 per cent, well below Beijing's target of around 5.5 per cent, on the risks of widespread Covid lockdowns and supply chain disruptions. In a video speech to the annual Boao Forum for Asia, Georgieva said China's actions to counter its economic slowdown are vital for the global recovery. "Fortunately, China has policy space to provide macroeconomic policy support, including shifting the focus towards vulnerable households to strengthen consumption, which can also help support China's climate goals by steering economic activity to lower-carbon sectors," Georgieva added. "Stronger policy efforts in the property sector can also help secure a balanced recovery." At the same venue, China's President Xi Jinping said China's economy is resilient and that its long-term trend had not changed. In light of growing headwinds, foreign brokerages have also been slashing GDP forecasts for China, after weakness in March activity data raised outlook risks as the lockdown in the mega city of Shanghai drags on. Barclays, of late cut their already below-consensus forecast to 4.3 per cent, from 4.5 per cent previously, while BofA down-graded their forecast for this year to 4.2 per cent from 4.8 per cent before. Nomura, recently, revised their forecast to 3.9 per cent this year, from 4.3 per cent previously, and second-quarter growth is expected to expand by a meagre 1.8 per cent, according to their baseline estimates. ❐

World Bank estimates Ukraine's infrastructural damage hits $60B till 3rd week of April

Physical damage to Ukraine's buildings and infrastructure from Russia's invasion has reached roughly $60 billion and will rise further as the war continues, World Bank President David Malpass said recently. Malpass told a World Bank conference on Ukraine's financial assistance needs that the early estimate of "narrow" damage costs does not include the growing economic costs of the war to Ukraine. "Of course the war is still ongoing, so those costs are rising," Malpass said. Ukrainian President Volodymyr Zelenskyy, in a virtual address to the conference, outlined far bigger costs and financing needs. He told participants in interpreted remarks that Ukraine needs $7 billion per month to make up for economic losses caused by Russia's invasion of his country. "And we will need hundreds of billions of dollars to rebuild all this later," Zelenskyy said. He said the global community needed to exclude Russia immediately from international financial institutions, including the World Bank and the International Monetary Fund and others, and said all countries "must immediately be prepared to break up all relations with Russia." The conference on the sidelines of the IMF and World Bank spring meetings included finance officials from a number of countries, including US Treasury Secretary Janet Yellen, who earlier said the United States would double its direct non-military aid pledge to $1 billion. ■

Exports surge 40% to hit record $418 billion in FY22

The value of goods exported from India witnessed 40 per cent growth during the 2021-22 financial year, hitting a record $417.8 billion and surpassing the target set by the government by 5 per cent, according to the Commerce and Industry Ministry. During March, exports touched $40.38 billion, as compared to $34 billion during the same period a year earlier. The growth was driven by higher demand for items in the petroleum, gems and jewellery, engineering products. "India has exported $418 billion, for the first time in its history. This is more than the set target. Exceed $40 billion in exports in March alone which is the history of highest export in a single month," Commerce and Industry Minister Piyush Goyal told reporters recently. "We have been able to achieve such wonderful results without any specific subsidies and grants and that is the way to go... You can handhold up to a level, but ultimately we have to stand on our own feet, we have to engage with the world from a position of strength, with self-confidence, with the basis of our confidence and high quality and that is reflected in our achievement today," Goyal said. While the government is yet to release the import data for March, it is expected that inbound shipments will also touch a record high. Imports grew 51 per cent on year to $589 billion during April 1, 2021 March 21, 2022, resulting in widening of the trade deficit to $189 billion. Considering these numbers, India's total trade, in a first, is set to exceed $1 trillion. Director General of Foreign Trade (DGFT) Santosh Sarangi told reporters that India's export basket is not confined to intermediate goods or raw materials, but is gradually moving towards manufactured goods. "Our engineering and electronics goods export indicates this," Sarangi said. While electronics goods are one of the top items in India's import basket, after gold, Sarangi said electronic goods witnessed a 40 per cent jump in FY22, as it got a massive push from the production-linked incentive scheme (PLI). Export of non-petroleum goods grew by close to a third at $352.76 billion. Sarangi further said India had seen a significant jump in exports to developed markets as well such as the US, the Netherlands, Singapore, Hong Kong, the UK, Belgium, and Germany. On the contrary, till now, substantial amounts of goods were exported to neighbouring countries, majorly to the Association of Southeast Asian Nations (ASEAN). The minister had earlier said in order to achieve the export target, a detailed strategy was in place, including specific country-wise, product-wise and export promotion council-wise target, monitoring and course correction. Engineering goods exports topped $111 billion in FY22 and is expected to sustain the growth momentum in the current fiscal year, too, despite challenges emerging out of global geo-political tensions, EEPC India Chairman Mahesh Desai said. "The volatility in commodity prices, supply chain disruptions and a possible change in world political order would certainly have its impact on trade and economy. Some of the leading rating agencies have in the past few weeks lowered India's GDP forecast. So, clearly the impact will be felt, but it should not be severe," Desai said. ❐

India has potentials to be among the fastest growing major economies : Vinet Jain

India has shown the world it has the energy and the vision to face the most daunting challenges, including the ongoing global geopolitical tension over Ukraine. Despite these challenges, the country is likely to emerge as one of the fastest-growing economies, said Times Group managing director Vineet Jain. "To say we are living in turbulent times would be an under-statement. Under the lengthening shadow of war, it will be difficult to sustain growth at 8-8.5% — even with the government's best efforts. Still, India has the resilience and the potential to be among the fastest-growing major economies in the world," he said. While the latest wave of the Covid-19 pandemic is waning and the economy is bouncing back, the world is facing one of the deadliest conflicts since World War II. This has sent shockwaves through global markets, including stock, commodities and currency markets. Oil prices are soaring, further fuelling inflation. As one of the world's largest importers of oil, India is facing a huge challenge, said the Times Group MD. The growing geopolitical

crisis has also thrown into uncertainty the timing and valuation of India's largest-ever IPO of government-owned Life Insurance Corporation of India. All these factors are threatening to upset the government's budget calculations, he said. However, he believes India has the vision and ability to overcome such obstacles. He highlighted the fact that over 95% of the country's population above 15 years has been administered at least one dose of Covid-19 vaccine in one of the most ambitious public-health programmes in the world. This has played a significant part in boosting business and consumer confidence and contributed to a sharp economic bounce-back. "Going forward, India has to guard against external risks as well as another possible Covid wave. In this context, the government's emphasis on self-reliance is most welcome and deserves our full support. With forex reserves of over $600 billion we are well placed to withstand any crisis," he said. Diplomatically, the government is walking a delicate and neutral line on the Russia-UKraine war despite mounting pressure to choose a side, the Times Group MD said. That the presidents of both countries, he added, spoke at length to PM Narendra Modi almost back-to-back underlines India's growing clout on the world stage. "It is our belief at the 184-year-old Times Group that together we can embrace every crisis as an opportunity — to craft a different and better future," he said while concluding his speech at the seventh edition of The ET Global Business Summit. ❐

IMF projected India's robust economic growth of 8.2% in 2022

The International Monetary Fund recently projected a "fairly robust" growth of 8.2 per cent for India in 2022, making it the fastest growing major economy in the world, almost twice faster than China's 4.4 per cent. The global growth has been projected at 3.6 per cent in 2022, down from 6.1 per cent in 2021, the IMF said in its annual World Economic Outlook report released in Washington. It has also lowered India's growth projection by 0.8 percentage points for 2022 from its previous forecast for the same period last year. In 2021, India registered a growth rate of 8.9 per cent. By 2023, India is estimated to grow at 6.9 per cent, the IMF said. The downgrade in the 2023 growth projection for India is partly reflective of the war in Ukraine that has resulted in high energy and food prices, slowing down the growth momentum. Notable downgrades to the 2022 forecast for Asia include Japan (0.9 percentage point) and India (0.8 percentage point), "reflecting in part weaker domestic demand — as higher oil prices are expected to weigh on private consumption and investment — and a drag from lower net exports," the report said. In its report, the IMF has projected global growth at 3.6 per cent in 2022 and 2023, 0.8 and 0.2 per cent lower than in the January forecast, respectively. "The downgrade largely reflects the war's direct impacts on Russia and Ukraine and global spillovers," it said. China, which registered a growth rate of 8.1 per cent in 2021, has been projected to grow at 4.4 per cent in 2022 and by 5.1 per cent in 2023. The US has been estimated to grow at 3.7 per cent in 2022 against 5.7 per cent in 2021. Its projection for 2023 has been downgraded to 2.3 per cent, according to the IMF report. Observing that both Russia and Ukraine are projected to experience large GDP contractions in 2022, it said the severe collapse in Ukraine is a direct result of the invasion, destruction of infrastructure, and exodus of its people. In Russia, the sharp decline reflects the impact of the sanctions with a severing of trade ties, greatly impaired domestic financial intermediation, and loss of confidence. The economic effects of the war are spreading far and wide — like seismic waves that emanate from the epicentre of an earthquake — mainly through commodity markets, trade, and financial linkages, the report said. Observing that the overall risks to economic prospects have risen sharply and policy trade-offs have become even more challenging, the IMF said. This crisis unfolds at a time when the global economy was on a mending path and was recovering from the COVID-19 pandemic. "In addition to the war, frequent and wider-ranging lock-downs in China – including in key manufacturing hubs – have also slowed activity there and could cause new bottlenecks in global supply chains. Higher, broader, and more persistent price pressures also led to a tightening of monetary policy in many countries," it said. ■

15 jute mills suspended production due to raw material shortage

The price cap of ₹6,500 a quintal fixed by the Jute Commissioner is not only causing closure of jute mills across the country but has also led to more than 50 per cent of the demand for foodgrains packaging during the ongoing Rabi Marketing Season (RMS 222-23 being met through polypropylene.

According to senior officials in jute industry, as many as 15 jute mills have closed down in West Bengal alone, which accounts for nearly 80 per cent of jute acreage and 83 per cent of the country's total production.

The plight is similar in some of the other jute growing areas including Bihar, Assam and Andhra Pradesh. The unavailability of raw material at the ceiling fixed and the closure of mills has affected supply of new jute bags.

According to a notification from Department of Food and Public Distribution dated March 7, against the total estimated requirement of around 23 lakh bales, Indian Jute Mills Association (IJMA) has committed to supply only 10 lakh bales in RMS 2022-23 from January-May 2022. A bale of jute is 180 kg.

"Therefore state governments/FCI are requested to consider alternative sources of packaging material and send their proposal to this Department at the earliest," the notification said.

The remaining 13 lakh bales of the requirement is likely to be met through plastics, a senior industry official told of late. The jute industry had supplied close to 12 lakh bales of packaging material for foodgrains during the previous season while the remaining 8 lakh bales was met through polypropylene.

"Everywhere mills are closing down as they are incurring huge loss as market prices are ruling around ₹7,200 a quintal and we have been asked to sell at around ₹6,500 a quintal due to the price ceiling," a senior official at a jute mill said on conditions of anonymity.

The Calcutta High Court had recently directed the Jute Commissioner to take necessary steps to ensure that raw jute is available to mills at ₹6,500 and also act against those selling it at a higher rate.

The Jute Commissioner, had, in a notification dated September 30, 2021, fixed the price of jute at ₹6,500 a quintal for 2021-22 till June 3, 2022.

However, mills have not been able to procure at these rates as market prices are ruling far higher at around ₹7,200-7,300 despite an estimated higher production of raw jute this year.

West Bengal is estimated to produce close to 85-90 lakh bales of raw jute in 2021-22, against 55-58 lakh bales in 2020-21. The higher production is on the back of favourable weather conditions and increase in sowing area due to the highly remunerative prices the golden fibre fetched last year.

"There is no carryover stock from last year due to lower crop so the market prices are ruling much higher. This kind of artificial curtailment (of prices) may not work well for the industry at a time when the demand from food grain sector is good," said Raghav Gupta, Chairman, IJMA.

When contacted, Moloy Chandan Chakraborty, Jute Commissioner, refused to comment since the matter is sub judice. ■

Centre trims raw jute stock limit to aid supply

The Centre has further reduced raw jute stock limit for balers and traders in a bid to increase supply of the raw material to mills at a time when major foodgrain producing States are facing a shortage for the environment-friendly packaging material, industry stakeholders said recently.

In a recent notification issued by the Office of the Jute Commissioner, the maximum stock limit has been brought down to 500 quintals for jute balers from 750 quintals and 50 quintals for traders from 150 quintals, they said.

"It is not a viable quantity for a baling unit to run its operation smoothly," Jute Balers Association secretary AK Palit said. Balers are major suppliers of raw jute to mills.

The ongoing raw material crisis has led to "closure of nearly 15 mills and units that are still running have reduced utilisation", a source claimed.

The Centre has put a ceiling on the stock limit to prevent hoarding of raw jute and ease supply to mills at a reasonable price, industry stakeholders said. The price of raw jute continues to hover around ₹7,000-7,200 per quintal, but the government will pay ₹6,500 per quintal for gunny bag production, they claimed.

"The move could not yield much result for improving supply. Millers and trade unions have been vocal against ineffective support price operations," the source said. ■

Stocks of apparel retailers in fashion amid recovery reap benefits

Led by Trent, which hit its lifetime-high recently, apparel retailers have gained between 10 per cent and 36 per cent over the past two months. Given the network of physical stores, these stocks shall be major beneficiaries of the unlock theme, with most states doing away with Covid restrictions.

Amid improving footfall, analysts expect the sector to post double-digit growth in FY23. This, coupled with improving margins on the back of higher volumes cost rationalisation, higher private label sales, and lower debt, is the trigger and expected to sustain the rally.

After muted demand trends in the early part of the March quarter (Q4FY22) because of a fresh Covid wave, sales have seen a quick recovery, especially in March. The improvement in the situation was led by easing restrictions, the return-to-office trend, and higher footfall at malls.

For FY22, revenues of brick and mortar apparel retailers are expected to grow 20-25 per cent, after declining 40 per cent in FY21 because of Covid-19. While the unlock process and pent-up demand have helped, market share gains, price hikes, expansion, and omnichannel presence are the factors that have led to revenue expansion for listed retailers.

Jitendra Upadhyay, senior equity research analyst at Bonanza Portfolio, says : "After the sharp recovery, healthy performance from all segments in the sector is expected in Q4FY22. This will boost revenue to more than 60 to 65 per cent of the pre-pandemic level. Revenue is expected to record healthy double-digit growth in FY23 as well, on sustained footfalls."

Market share gains and higher contribution from non-physical stores were the key gains over the last two years and this could continue going ahead. Akhil Parek and Kevin Shah of Centrum Research say : "During the pandemic many of the small retail outlets had to shut their operations which benefited bigger, cash-rich, branded retailers."

While retailers have been aggressive in expanding their physical retail footprint, what could add to their revenue growth is the omnichannel presence, with its share moving up from low single digit before the pandemic to high single digit, now.

The other positive is improving profitability. Anuj Sethi, senior director, CRISIL Ratings, says : "Apparel retailers, which could barely break-even previous financial year, should log an operating margin of 5-7 per cent in FY22, against 9 per cent before the pandemic — backed by improving operating leverage, continued cost rationalisation, and prudent inventory management."

Analysts expect companies to maintain this trend despite the expansion and reversal of certain expenditure, such as employees costs, rentals, and advertisements.

CRISIL Ratings expects the sector to grow by 8-10 per cent in FY23, as well on sustained footfall and waning impact of the pandemic, though it shall still be lower than the pre-pandemic level. The growth outlook (on a high base) bodes well for the listed retail apparel pack that posted a 42-88 per cent YoY growth for M9FY22. Higher revenue growth and margins translated into improved bottom-lines. After posting losses in M9FY21, listed retailers turned the corner this year (M9FY22).

Among companies in the listed space, Page Industries benefited from the surge in demand for the athleisure segment, and there can be some moderation going ahead. However, Bonanza Portfolio expects the company to outperform, with growth coming from kids wear, athleisure, and rural penetrations. The management remains optimistic about maintaining margins of 20-21 per cent.

Brokerages are also positive on Trent, given its industry-leading same-store sales growth and operating profit margin. The company is undertaking an aggressive store expansion to capture a bigger share of the fast/value fashion pie through Westside, Zudio, and Utsa. The improving trajectory of Star Bazaar, coupled with better traction in Zara, should also aid growth over the medium term, says Systematix Research.

For ABFRL, in addition to market share gains from popular brands, such as Louis Philippe, Allen Solly, Van Heusen, and Peter England, the company is gaining traction in ethnic wear (by partnering with major designers) and the athleisure/sportswear segment with the acquisition of Reebok brand. The company is also foraying into the direc-to-consumer space and is developing a portfolio of digital brands across categories.

But the recent rally meant that current prices have exceeded the target prices of these companies, barring ABFRL. Investors should await a meaningful correction before taking exposure to these stocks, which are trading at 50-100 times their FY24 earnings estimates. ■

Textile industry asks for curtailment of import-duty on Natural Fibre

Spinning mills in some parts of the country, particularly the south, have slowed yarn production as cotton prices have soared to new highs of late and they do not want to buy at such high levels.

Benchmark cotton futures have increased to an 11-$\frac{1}{2}$ year high of 130 US cents a pound (₹78,625 a candy of 356 kg) on the Intercontinental Exchange. Cotton prices have increased 15 per cent year-to-date and 66 per cent year-on-year.

Global prices have gained on fears of low supplies due to drought in growing areas in US. Besides, renewed demand, mainly from China, after the curbs for the Covid-19 was lifted has also contributed to the rise.

In the domestic market, processed or lint cotton prices are currently ruling at a record high of around ₹85,000 a candy.

"This (slow down) is not an official stand of any association in the textiles sector. But a few mills have slowed down. This will help them to not only slow yarn production but also save on electricity costs," said an industry source, who did not wish to be identified.

"The speculative increase in prices creates an uncertainty in the trade. To manage the current crisis, 30-40 per cent of the mills decided to slow down production by way of a one-day weekly holiday, slowing down the (motor) speed, using this time for yearly maintenance work," said Prabhu Dhamodharan, Convenor, Indian Texpreneurs Federation (ITF).

These measures will re-balance the situation by way of extending the cotton inventory for more days in the mills and reducing the cotton consumption, he said.

Recently, a mail from the chief advisor of a mills association purportedly did rounds on Whatsapp claiming that mills had decided to slow down production "to manage the situation at least for a few weeks".

Southern India Mills Association Secretary-General K Selvaraju denied any such decision had been taken by mills and said no such development had been reported by any of the mills in the region.

An industry leader said if the Whatsapp message on mills decision were true, the industry would turn sick and lead to unemployment of lakhs of people.

Anand Poppat, a Rajkot-based trade in cotton, yarn and waste, told of late that he had not heard of any such decision from any spinning mill. "However, the situation is worrisome for the mills since cotton lint prices are ruling at ₹84,000-86,000 a candy (356 kg)," he said.

Selvaraju said quality cotton was being quoted at ₹90,000 a candy.

SVP Global CEO Maj Gen OP Gulia said cotton prices rising every day, but yarn prices have not increased at the same pace as the natural fibre. "Spinners are holding the yarn to get better prices. Also, they are changing the product mix to get suitable margins," he said. "Ample cotton is available but in view of the high prices, no spinner wants to have a huge inventory," he said.

Poppat said yarn prices have recently been hiked. For example, prices of 30 combed carded hosiery yarn have been raised to ₹355 a kg from ₹330 but the demand has been lukewarm. "There is a demand-supply mismatch due to sharp increase in cotton prices," said Gulia.

The rise in global prices has led to demand for Indian cotton and this has resulted in a premium for the natural fibre in Chennai. This resulted in 77.59 lakh bales of cotton being exported last season (October 2020-September 2021). This season, it is estimated at 45 lakh bales.

Recently, the Committee on Cotton Production and Consumption (CCPC) estimated the ending cotton closing stocks at 45.46 lakh bales. But the textiles industry is unhappy with the projections, saying it does not reflect the reality.

"Till now, 33 lakh bales of cotton have been exported. During February-March alone, 10 lakh bales have been exported. They are likely to touch 60 lakh bales since we have another six months to go for the season to end," said the industry source.

Even on the production and consumption front, the industryis unhappy. "Projections for Telangana production is far higher. Consumption has not been assessed properly," the source said.

However, a major disappointment of the outcome of the CCPC meeting is that it did not heed the industry's demand for allowing duty-free imports of cotton. "The Centre should allow duty-free import of cotton or at least permit the shipments under quantitative restrictions or for a stipulated period," said SIMA's Selvaraju.

Such a decision could bring down cotton prices to a reasonable ₹70,000 a candy, he said. Currently, cotton imports attract 11 per cent customs duty, which was imposed in February last year.

Textile industry asks for curtailment of import duty on Natural Fibre

SP Global's Gulia said the industry hoped prices would stabilise by March, but the reverse has happened. "I hope the government provides some incentives to make the situation conducive for the textile industry," he said.

Spinning mills are facing multiple issues due to "risky" cotton price levels, huge working capital needs to manage current prices and lower yarn realisation due to poor quality of cotton, the SP Global CEO said.

According to industry sources, the problem for some of the spinning mills is that they have entered into export deals extending up to March 2023. They could now face pressure. Poppat said multinational trading firms, who buy cotton from the country and export, had stopped buying over the last few days and are quoting ₹87,000-88,000 a candy in forward sales.

The Rajkot trader said farmers were bringing cotton in a measured manner to take advantage of the high prices with daily arrivals being only 75,000 bales across the country. But industry sources alleged that cotton is being hoarded in the name of farmers. ■

Govt plans to extend textile fund validity beyond FY22

The government is considering a proposal to extend the validity of its flagship capital investment scheme for the textiles and garment sector beyond March 31, until a new programme, which is in the works, is finalised, according to sources.

As reported in 2nd week of March that the government is firming up a ₹16,635-crore programme that will not just replace the latest avatar of the Technology Upgradation Fund Scheme (TUFS) but also promote integrated manufacturing facilities and technology adoption in a big way to enable India to regain its lost share in the global market. The new scheme will be called the Textiles Technology Development Scheme (TTDS).

"The new scheme will take some time to materialise. More deliberations are required for finalising certain aspects of the scheme. So, there is a proposal to extend the current scheme's validity. The government will soon a take a call on whether the extension will be granted," one of the sources said.

While notifying the Amended Technology Upgradation Fund Scheme (ATUFS) in January 2016, the government had set aside an outlay of ₹17,822 crore (₹12,671 crore for clearing pending claims under the scheme's earlier avatars and ₹5,151 crore for implementing the ATUFS) until FY22. The scheme is supposed to mobilise fresh investments of about ₹95,000 crore in the textile and apparel sector by FY22 and create 3.5 million new jobs. However, until FY21, it could incentivise projects worth only ₹46,861 crore, while the subsidy disbursement stood at ₹3,378 crore.

The TUFS, the earliest version of ATUFS, was introduced in 1999 to make available funds to the textile industry for upgrading technology at existing units as well as for setting up new ones with state-of-the-art facilities. The idea was to improve their viability and competitiveness in both the domestic and export markets.

Under the extant scheme (ATUFS), garments and technical textiles firms are provided a 15% subsidy on capital investments, subject to a ceiling of ₹30 crore for each investor. Remaining segments, such as weaving, processing, jute, silk and handlooms, get 10%, with a cap of ₹20 crore.

Before the ATUFS was introduced, the various versions of the TUFS had attracted investments of more than ₹2.71 trillion in about 16 years through FY15, according to an earlier official estimate. Subsidies of ₹21,347 crore were disbursed under the scheme during this period and a lot of pending claims were settled later. The capital-intensive spinning industry has been the largest beneficiary of the TUFS, as most of the investments have taken place in this segment. Of course, with the change in the incentive structure under the ATUFS, spinning mills haven't quite reaped the benefits in recent years. Large-scale capacity addition in spinning in earlier years also discouraged them from undertaking fresh expansion. ■

Centre finally putting National Textile Corporation on the block

With a trimming of its size and recurrent cash infusions failing to make the state-run National Textile Corporation (NTC) operationally viable, the Centre is finally putting the loss-making company on the block. All through the last two decades and more, NTC has been incurring losses, but it made a technical profit of ₹969 crore in FY17 as it accounted for the capital gains from the sale of a clutch of prime properties and land parcles in Mumbai and elsewhere.

Over the decades, several revival plans have been implemented for the manufacturer of yarn and cloth but none of them actually helped it to stay afloat in a competitive market. In the process, several unviable units were closed down.

"Post-privatisation, NTC will benefit from new technologies and capital to be brought in by the private investor. This may help the firm to fully utilise capacity as well as expand businesses," an official said, adding that Cabinet approval would be sought for the sale soon.

With unavailability of working capital and other financial constraints, operations at NTC mills are now under suspension, Employees are, however, being paid wages and statutory dues as per an agreement between management and workers' unions. Currently, NTC has 23 mills and as many as 7,825 employees on its payroll.

The latest attempt to revive the corporation was through 2012 package recommended by the then Board for Industrial and Financial Reconstruction (BIFR). Around ₹5,500 crore was spent under the package towards meeting various expenses like clearing up outstanding statutory dues, one time settlements (OTS) with financial institutions, interest payment and compensation under modified VRS. Moreover, NTC has spent ₹1,646 crore on the modernisation of its mills under the revival scheme. However, despite such an infusion of funds, the Corporation has not been operationally profitable, partly due to the rise in raw material costs.

In FY20, the latest year for which financials are available, the company reported a net loss of ₹350 crore, up 13% on year. The turnover of the company during FY20 stood at ₹850 crore, a decline of 21% on year. Its net worth also fell by 20% on year to ₹1,381 crore in FY20. ■

Chennai division of Southern Railway rolled out OSOP scheme on pilot basis for silk sarees

If you have been planning to buy a silk saree for a friend/relative on a visit to Chennai but could not find time to do it because of a packed schedule, you can breathe easy now.

The Chennai Division of the Southern Railways has rolled out the 'One Station One Product' (OSOP) scheme was envisaged in the Union Budget 2022-23 to promote local artisans, products and industries. It aims to promote local products by making each railway station a promotional and sales hub for the product.

Sixteen major railway stations have been shortlisted under the scheme across India in the first phase.

The stall in Chennai has been allotted to the MGR Silks Handloom Weavers Production and Sales Centre, Kanchipuram.

The Kanchipuram silk sarees are known for aesthetically captivating gold zari and checked broacade with intricate workmanship. More than 100 varieties of silk sarees are available at the stall.

The Tirupati station in Guntakal division was the first station in South Central Railway to implement the OSOP scheme. The station promotes Kalamkari sarees, wood carvings and textiles of the region.

Similarly, the Waltair Division of East Coast Railway, in association with Etikoppaka Lacquer and Wooden Toys Manufactures Mutually Aided Co-operative Society, has launched an OSOP kiosk at the Visakhapatnam railway station. ■

ENZYMATIC DECOLORIZATION OF REACTIVE DYED MATERIAL USING LACCASE ENZYME

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Abstract

In this paper, color fading effect on a reactive dyed material is carried out by using different concentrations of laccase enzyme at acidic pH ranging from 3 to 5. Color fading effect can also be achieved by using different bleaching agents such as sodium hypochlorite, potassium permagnet etc. But, because of their higher oxidation potential they will form oxycellulose and will damage the cotton fibre. Hence the best way to avoid the damage is to go for enzymatic treatments.

I. INTRODUCTION

The global climate change, increasing environmental pollution due to growing world population and fast growing industrialization resulted in rapid consumption of resource and increasing amount of variety of waste. All these developments are worrying and have forced industries and scientist to take measures against these adversities[1,2]. Destruction of the natural environment we live in, which is not going to return, has been ongoing from the very old days, and recent attempts to reduce environmental pollution are very recent. Since 1980, movements towards conservation of natural life and environment have come into prominence and consumers in many countries have started to prefer products made with material and methods that do not harm the environment during production and post-use disposal phases[3]. The widespread environmental impact of the textile industry is manifested by discharge of high amount of chemicals to the environment. The various dyestuff discharge of high amount of hazardous chemicals to the environment. These is beginning of a process that is difficult to compensate for environment and human health[4, 5, 6].

Enzymes are used in many industries because they :

i. Accelerate reactions;
ii. Act only on specific substrates by lowering the activation energy for the reaction
iii. Operate under mild conditions;
iv. Are safe and easy to control;
v. Can replace harsh chemicals;
vi. Are biologically degradable

II. MATERIALS AND METHODS

A. Materials

- 100% cotton fabric
- Reactive Dye
- Dyeing Auxiliaries
- Concentrated Laccase Enzyme
- Booster for Laccase Enzyme

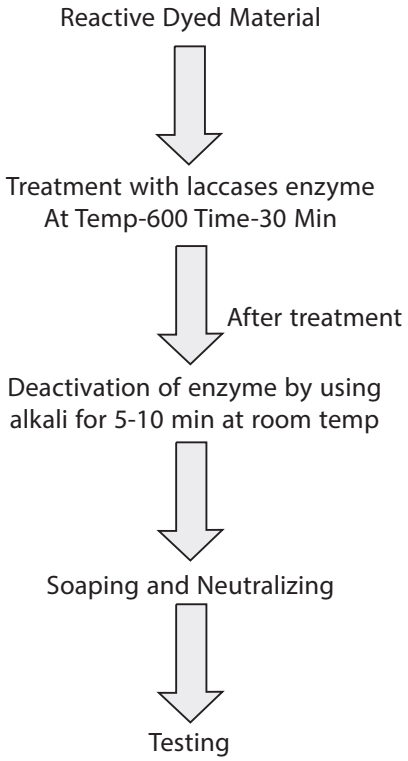
Raw material has been purchased from local market on August 5, 2021

B. Methodology

Details Regarding Experiment

Laccase enzymes is to be used for this research work reactive dyeing procedure and fading treatments are carrying out by exhaust method

C. Design of Experiment



Laccase enzyme has been used for this research work. Laccase concentrations ranging from 0.25 to 1.25% has been used at acidic pH.

ENZYMATIC DECOLORIZATION OF REACTIVE DYED MATERIAL USING LACCASE ENZYME

The temperature used is 60°C. The treatment has been carried out for 30 minutes.

D. Testing of raw material

I. Testing of 100% cotton raw material is carried out in testing lab of "DKTE's Textile & Engineering Institute, Ichalkaranji" on Aug 20, 2021.

Testing	Result
Warp count	10.40 Ne
Weft count	10.98
GSM	172
Warp strength	30 Kgf
Weft strength	21 Kgf
Warp way elongation	1.43 cm
Weft way elongation	3.3 cm
EPI	44
PPI	36
Warp way tear strength	1587 gf
Weft way tear strength	1056 gf
Weave	Plain weave

II. Colour Strength Values

The enzyme treated fabric was sent to Bengaluru for testing colour strength values.

III. RESULTS AND DISCUSSIONS

The proposed research work has been carried out as mentioned in chapter 2. The following test methods has been carried out.

A. Physical Testing

Testing	Result
Weave	Plain weave
Warp count	10.40 Ne
Weft count	10.98
GSM	172
Warp strength	30 Kgf
Weft strength	21 Kgf
Warp way elongation	1.43 cm
Weft way elongation	3.3 cm
EPI	44
PPI	36
Warp way tear strength	1587 gf
Weft way tear strength	1056 gf

After comparing the results with the standard samples, no SIGNIFICANT results has been found.

B. Colour Strength Values

The treated samples was sent to the "Jindo Chemicals Pt. Limited", Bengaluru. The results are obtained as follows;

CBB- Cold Brand Blue. CBR- Cold Brand Red. HBY- Hot Brand Yellow. HBB- Hot Brand Blue. HBR- Hot Brand Red.

Trial No.1] CBB 0.5%

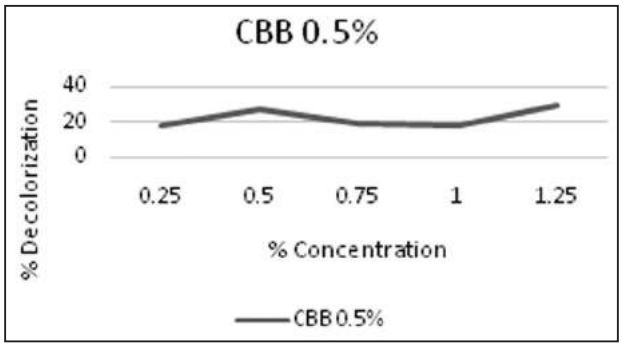


Fig.1 Graphical Representation of CBB 0.5%

From above fig. trend is highest towards higher concentrations but somewhat remains constant between 0.75 to 1% concentrations. This may be due to the more bond breaking towards higher concentrations.

Trial No.2] CBB 1%

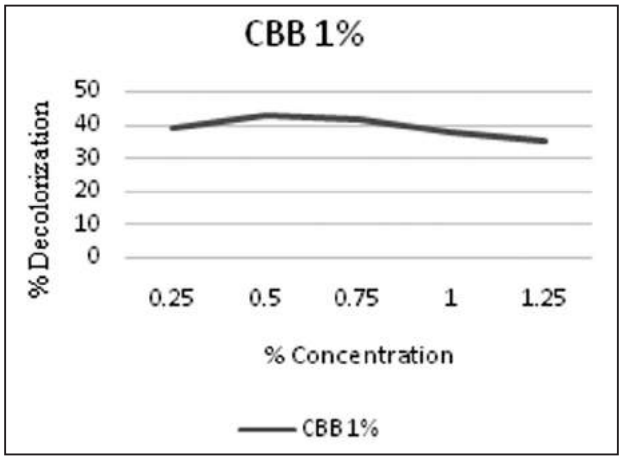


Fig. 2 Graphical Representation of CBB 1%

From above fig. it can be seen that the trend remains somewhat constant at 0.5 to 0.75% but starts decreasing when concentration goes beyond 1%.

Trial No.3] CBB 1.5%

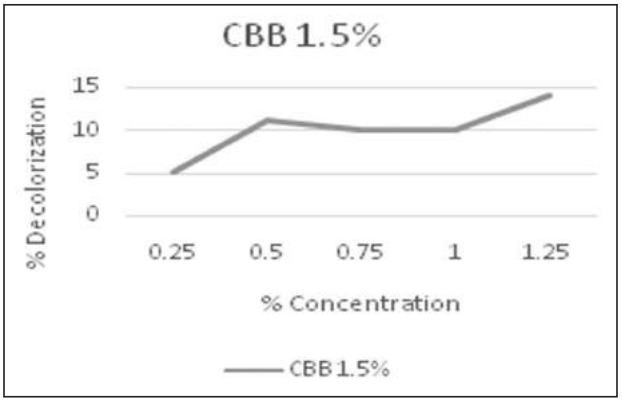


Fig. 3 Graphical Representation of CBB 1.5%

From above fig. we can conclude that decolorization efficiency increases from 0.25 to 0.5% but remains constant at 0.75 to 1%. Trend goes on increasing towards increasing enzyme concentrations. This may be due to the breakage of covalent bonds.

Trial No.4] CBB 2%

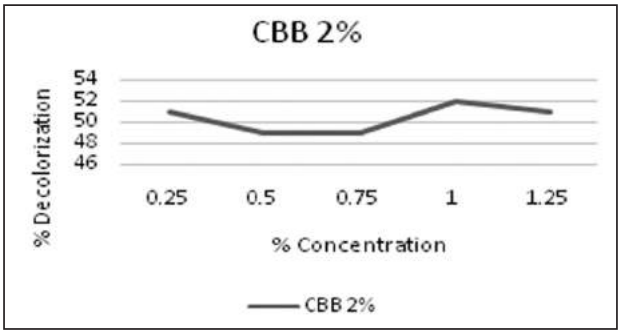


Fig. 4 Graphical Representation of CBB 2%

In above fig. trend is constant from 0.5 to 0.75 %, then increases towards 1 % and again drops when concentration goes beyond 1 %

Trial No.5] CBB 2.5%

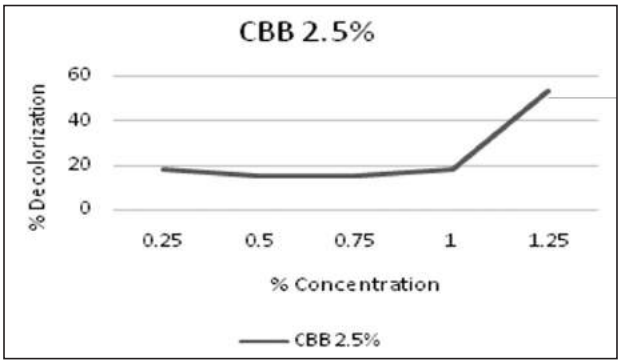


Fig. 5. Graphical Representation of CBB 2.5%

In above fig. we can see that the trend is nearly constant until 1% and goes on increasing when concentration of enzyme gets increased. This trend may be due to the fact that as the % shade increases then the reaction between enzyme and dye will be more. Hence, more decolorization.

Trial No.6] CBR 0.5%

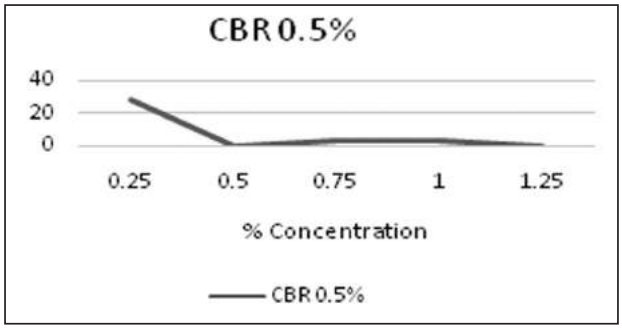


Fig. 6 Graphical Representation of CBR 0.5%

From above fig. one can say that the decolorization is highest at lower concentrations but after that no decolorization can be expected.

Trial No.7] CBR 1%

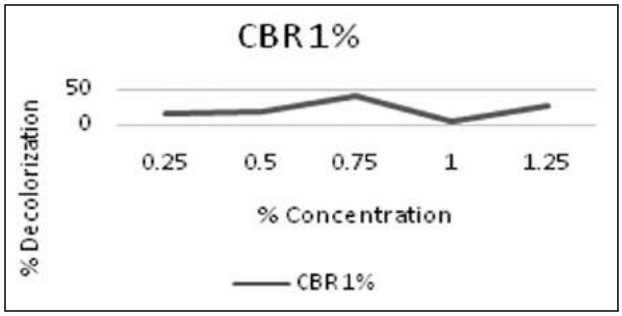


Fig. 7 Graphical Representation of CBR 1%

Above fig. indicates that decolorization is highest at 0.75% concentration again decreases at 1% and starts increasing as the concentration goes on increasing.

Trial No.8] CBR 1.5%

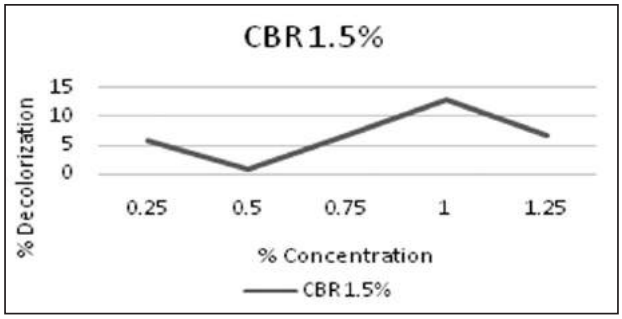


Fig.8 Graphical Representation of CBR 1.5%

Here one can see that the zigzag pattern is formed, which indicates that marginal change in enzyme concentration can cause significant change in % decolorization.

Trial No.9] CBR 2%

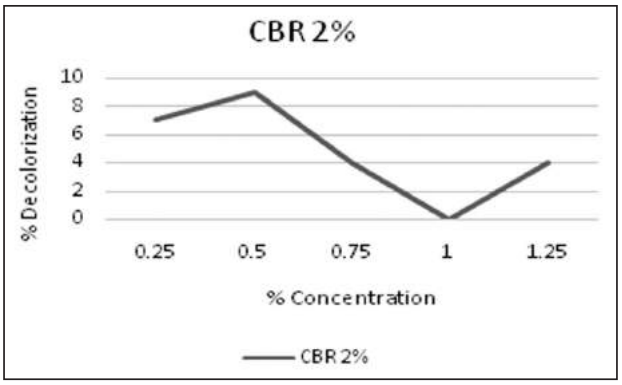


Fig.9 Graphical Representation of CBR 2%

Here one can see that no decolorization has been observed at 1% enzyme concentration but the trend goes on increasing beyond 1% concentration.

Trial No.10] CBR 2.5%

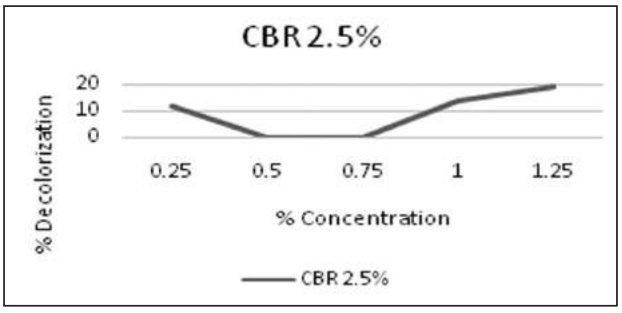


Fig. 10 Graphical Representation of CBR 2.5%

Here one can conclude that no decolorization can be expected at 0.5 to 0.75% concentrations but the trend goes increasing towards higher enzyme concentrations.

Trial No.11] HBY 0.5%

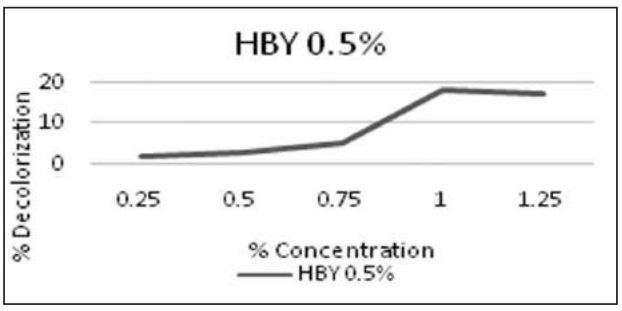


Fig. 11 Graphical Representation of HBY 0.5%

Here we can see that 0.75 to 1% is a critical concentration where decolorization is highest but above 1% enzyme concentration decolorization goes on decreasing.

Trial No.12] HBY 1%

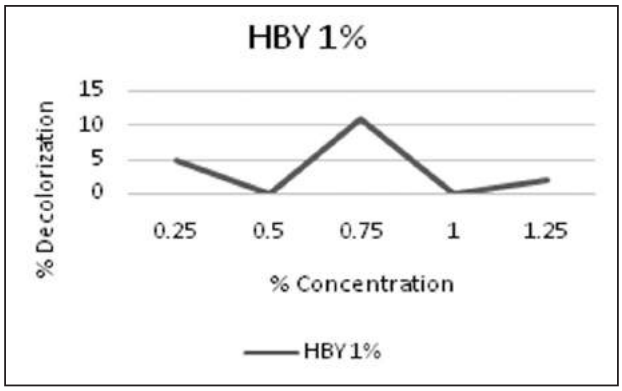


Fig. 12 Graphical Representation of HBY 1%

Above fig. clearly gives idea that the decolorization is highest at 0.75% enzyme concentration and then the trend starts decreasing until 1% but after 1% enzyme concentration again decolorization can be expected.

Trial No.13] HBY 1.5%

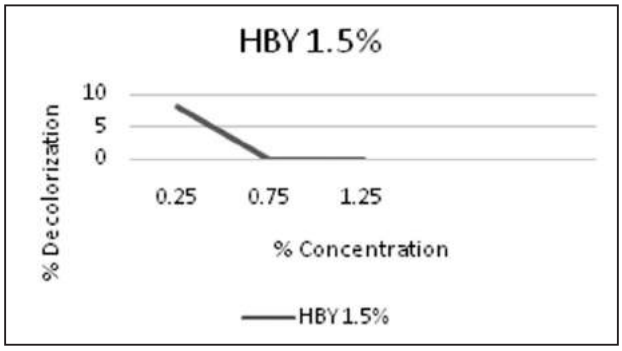


Fig.13 Graphical Representation of HBY 1.5%

Here no decolorization can be expected even at higher enzyme concentrations.

Trial No.14] HBY 2%

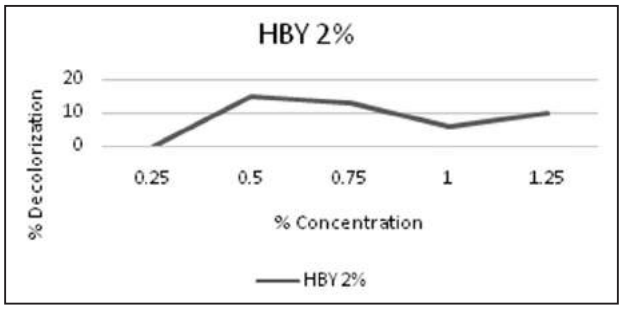


Fig. 14 Graphical Representation of HBY 2%

Above fig. forms zigzag trends. The decolorization goes on decreasing until 1% but above 1% decolorization efficiency has been observed.

Trial No.15] HBY 2.5%

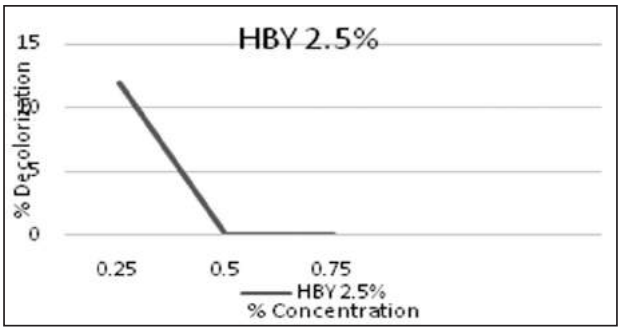


Fig 15 Graphical Representation of HBY 2.5%

In above fig. we can clearly see that with increase in enzyme concentration decolorization efficiency has been decreased. This may be due to the fact that the reaction between fibre and dye does not result in any decolorization.

Trial No.16] HBR 1%

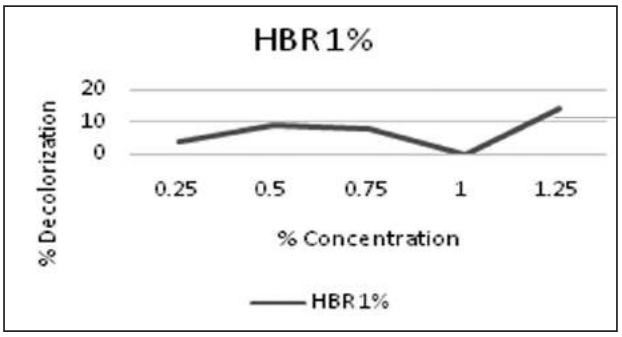


Fig. 16 Graphical Representation of HBR 1%

Here one can see that no decolorization has been observed at 1% enzyme concentration but the trend goes on increasing when concentration has been increased.

Trial No.17] HBR 1.5%

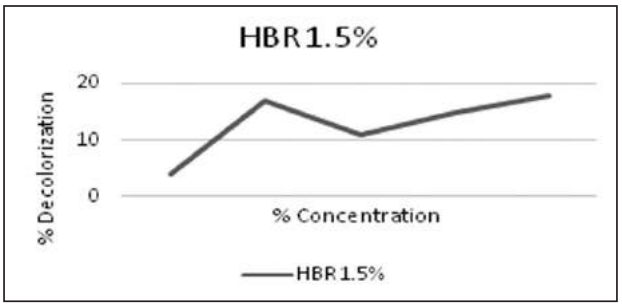


Fig. 17 Graphical Representation of HBR 1.5%

In above fig. it can be clearly seen that that decolorization is higher towards higher enzyme concentrations, due to the more reaction between the dye and fibre.

Trial No.18] HBR 2%

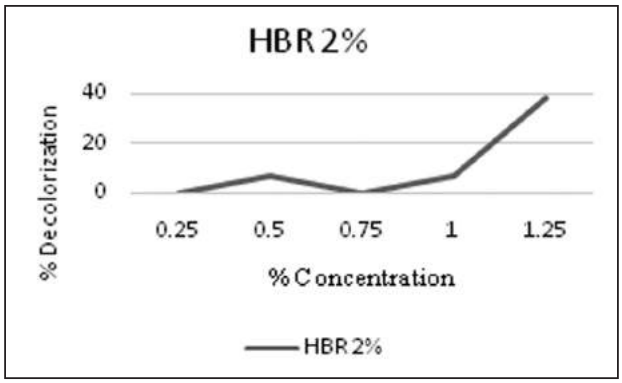


Fig. 18 Graphical Representation of HBR 2%

Here one can see that no decolorization has been occurred at lower enzyme concentrations but trend goes on increasing when enzyme concentration has been increased.

Trial No.19] HBR 2.5%

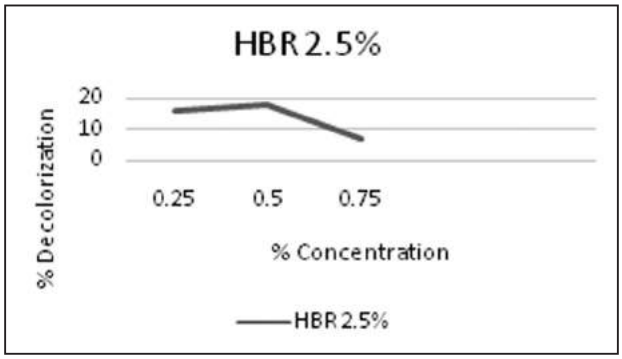


Fig. 19 Graphical Representation of HBR 0.5%

Here one can conclude that the decolorization is highest at 0.5% concentration but goes on decreasing when concentration is increased.

Trial No.20] HBB 2.5%

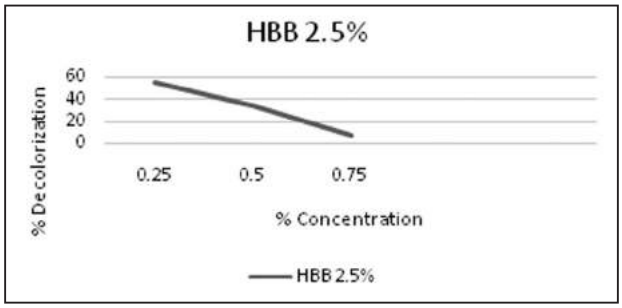


Fig. 20 Graphical Representation of HBB 2.5%

Here one can see that the trend goes on decreasing with increase in enzyme concentration.

IV. CONCLUSIONS

1. For CBB 0.5%, at 1.25% concentration 30% decolorization can be observed.
2. For CBB 1%, highest decolorization of 40% can be achieved
3. For CBB 1.5%, only 14% is achieved.
4. For CBB 2%, 52 % decolorization has been observed and this is maximum among all.
5. For CBR 0.5%, no decolorization even at 1.25% concentration.
6. For HBB 2.5% and HBR 2.5%, % decolorization goes on decreasing with an increasing concentration.

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67 firms submitted PLI applications to Textile ministry

The textile ministry has received applications from as many as 67 companies to avail benefits of the production linked incentive (PLI) scheme for man-made fibres and technical textile sectors, a top government official said recently.

The PLI scheme for textiles covers 40 man-made fibre (MMF) garment items, 14 MMF fabric goods, and 10 technical textile products.

The government had approved the PLI scheme, worth ₹10,683 crore, for the sector with an aim to boost domestic manufacturing, create jobs and promote exports. "We have taken a number of steps to promote growth of the technical textile sector," Textiles Secretary U.B. Singh said at a CII event. "There has been a very good response for the PLI scheme," he added.

"As many as 67 companies have made applications for being a part of the PLI for MMF and technical textiles and against our expectations of over ₹19,000 crore investments, these companies have shown that they would be investing about ₹22,000-23,000 crore in the MMF and technical textiles," the Secretary said.

The technical textiles (techtex) segment is a sunrise sector and holds huge potential for growth, Mr. Singh noted.

Technical textiles are used in different areas such as construction, road, railways, healthcare, automobile, and agriculture. The market size of the sector in India is about $20 billion. The global market size is about $260 billion. ■

IMPROVE EFFICIENCY AND PRODUCTIVITY OF GARMENT INDUSTRY BY USING DIFFERENT TECHNIQUES

Ritu Sharma
Assistant Professor, Jayoti Vidyapeeth Women's University

Abstract

Garment manufacturers are constantly striving to enhance production and garment quality in order to compete in today's highly competitive market. The productivity of the clothing industry determines its long-term viability and profitability. Garment production entails a variety of procedures carried out by operators at several locations. To achieve the target productivity, all of these activities must be coordinated, planned, and completed on time. In order to increase the productivity of an industry, many practices and procedures are used. Garment production entails a variety of procedures carried out by operators at several locations. To achieve the target productivity, all of these activities must be coordinated, planned, and completed on time. There are a variety of practices and methods used in businesses to increase productivity. Time study is one of the most effective tools utilized by practically every garment company to increase output rate. This report is about a time analysis of the shirt manufacturing process. The findings of the time research shed light on the potential for reducing the amount of time it takes to complete a task and improving the garment industry's production.

Introduction

Assembling clothing is a time-consuming process due to the large number of operations on the sewing line. As a result, working capability varies greatly from person to person. The first step in increasing productivity and quality is to identify the elements that affect productivity and quality. By eliminating these, quality and output in the sewing line may be readily achieved. Due to the high level of competitiveness in the industrial sector, it is becoming more vital to focus on initial investment as the economic situation changes rapidly. The achievement of defined goals based on relationships is used to measure productivity.

1. Productivity is measured by how well a company achieves its objectives based on the links between its inputs and outputs.

2. A mathematical analysis was used to understand the performance of an operational plan for increasing efficiency. Because hundreds of machines, personnel, and thousands of bundle subassemblies may be operational at the same time on the factory floor. The manager is in charge of increasing throughput, maximizing personnel and machine utilization, and maintaining work in progress. Analysis of the causes and repercussions of failure. The (FMEA) technique is one of the most successful strategies for preventing, identifying, controlling, and eliminating probable errors in the apparel business. This can be done by gathering data from the garment sector, utilizing FMEA, and then analyzing the improvability of production efficiency using a simulation-based optimization technique. In the garment business, this technique has shown to significantly reduce product faults, rework, and total production costs.

3. In the apparel business, time study is a reliable method for balancing the sewing line and resolving bottlenecks.

4. An assembly line is a censorious job which is joint together by a transport mechanism and given to a set of workstations by specifying how the assembling process flows from one work station to another.

5. Skilled workers are required for high production rate. Accurate production method and processes, proper training and supervision are essential to achieve the optimum improvements on productivity Time study is a very effective tool in improving the existing situations and enhancing the productivity in sewing line.

6. Work study and work measurement facilitates to the user to augment their performance during the manufacturing operations.

Work Measurement

"Work measurement is the application of techniques designed to establish the time for a qualified worker to carry out a specified job at a defined level of performance. In present study there are three techniques were used.

Visual Management

This sort of management focuses on providing workers and managers with current scenario information in the form of targets for various operations and task pieces that are readily apparent.

Work Study

Work study is a technique for increasing a company's production efficiency (productivity) by eliminating waste and superfluous procedures. It's a method for identifying non-value-adding actions by looking into all the variables that affect the job.

It is the only method for establishing time standards that is both accurate and systematic. It will add to profit because the savings will begin immediately and continue throughout the product's lifespan.

Time Study

Time Study is defined as:

"The art of watching and recording the time required to accomplish each detailed piece of an industrial activity/operation" is how time research is defined.

The word "industrial activity" refers to any mental, manual, or machining activity in which:

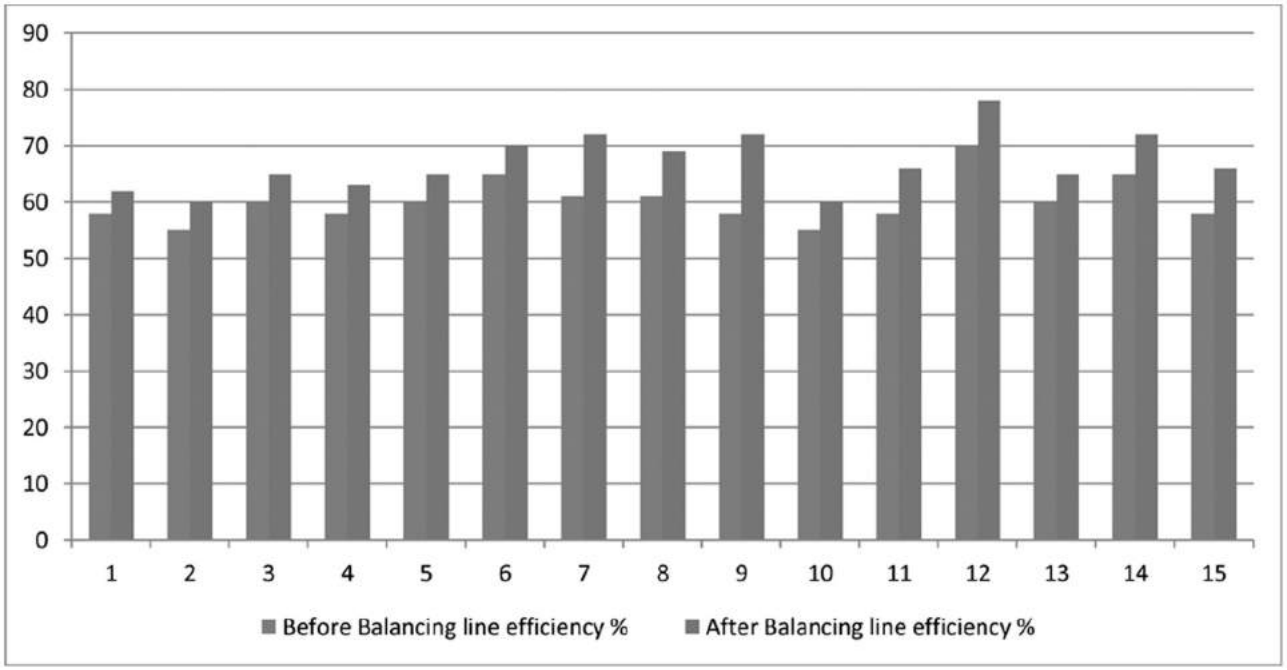
- I Mental time refers to the time spent by the operator considering alternative operations.
- II Manual time is made up of three different sorts of operations: material handling, tool handling, and machine handling.
- III Machining time refers to the time spent by machines completing the necessary procedures. As a result, a time study standardizes the amount of time it takes the average worker to complete these tasks. The sequence of machine operation in such a way that cuff joint and sleeve attach having two and three machines Respectively but for next operations like bottom attach and tucking operation have single machine in line therefore it Reduced operation efficiency.

Table 1 : Efficiency after balancing line balancing

Day	Line no	Before Balancing line efficiency %	After Balancing line efficiency %
1.	10	58	62
2.	10	55	60
3.	10	60	65
4.	10	58	63
5.	10	60	65
6.	10	65	70
7.	10	61	72
8.	10	61	69
9.	10	58	72
10.	10	55	60
11.	10	58	66
12.	10	70	78
13.	10	60	65
14.	10	65	72
15.	10	58	66
Average		60.13	67

Educate employees on the importance of maintenance work and their commitment to following the maintenance schedule; supervisors regularly inspect maintenance work to see whether it is being done properly; One operator was

Figure 1: Shows before balancing line efficiency % After Balancing line efficiency %



assigned to the cuff folding operation to save time, one poly-bag was attached to each sewing machine to collect thread waste, and one bottom attached machine was increased, as well as one tucking machine, and one cuff joint and sleeve attached machine was reduced.

Conclusion

Finding the key areas in the garment unit that impact garment quality and production is a difficult task. Based on the actual trial results, this project effort addresses shop floor issues. During the study, time and motion studies, an efficient visual management system, supervision, and the adoption of standard work procedures were all observed, as well as the motivation of the operator to do a good job. All of these tips contribute to increased productivity and quality in the garment sector, as well as a higher level of quality in line with current fashion trends. High production rate is achieved via improved use of labor, machine, material, and process. It is feasible to identify the present state and subsequently outcomes by using appropriate quality instruments.

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Surat's Textile cluster is grappling due to input shortage and rising costs

Aakash Patel runs a small weaving unit in Surat but of late he has not been able to deliver the finished products to his customers. The grey fabric has been made but there is a long queue at the processor's end where it needs to be dyed and printed.

The steep rise in costs of raw materials and the shortage of chemical agents, has forced processing houses to run fewer shifts. Vipul Desai, for instance, is using his good-will with fellow processors to source discharging agents and soda ash to be able to complete some orders. But he must return the raw materials in a week.

Weaving and processing units in Surat, the country's biggest man-made fabric hub, are grappling with both input inflation and a shortage of key raw materials. Prices of coal and lignite are up over 100%, electricity bills are bigger by about 10-15% and the workers too are now demanding 10-12% more. The textile cluster, in and around the commercial capital of south Gujarat, was just beginning to recover from the impact of the pandemic but that momentum has reversed. Polyester yarn prices have jumped 30% in the recent months, says Ashok Badani, who runs a processing unit making it difficult to buy in big quantities. Weaver Lalit Pipaliya says the steep rise in inventory costs is hurting to a point where the operations are being pared; very few units can afford to run two shifts and most are running just one 12-hour shift a day.

Before the pandemic, nearly 40 million meters of fabric was being processed every day but unable to fund the inventories, the output has been restricted to about 30 million metres a day. Unless the situation reverses, the Surat cluster, which by one estimate generated some ₹80,000 crore of sales annually pre-pandemic, will see the turnover fall to 60-65% of this amount in the current year.

Also, operating margins are being squeezed as not all the additional costs are being passed on to the consumers; processors say their margins have almost halved compared with the levels they made two years ago.

Of the 50,000 plus weaving units and more than 400 textile processing houses, over 75% are relatively small units or MSMEs. Their small capacities, according to Jitendra Vakharia, president of South Gujarat Textile Processors Association (SGTPA), make it harder for them to absorb the sudden hike in raw-materials and other costs.

"Processing houses are the biggest sufferers of higher raw-material prices in the entire value chain. The prices of discharging agents, including those for rongalite, sepiolite, sodium hydro-sulphite, have doubled in the span of seven to eight months," says Vakharia. He says processors have been able to hike the end prices only by about 25%.

Surat's textile cluster provides direct employment to over two million; for hundreds more, the commerce in the region is a source of livelihood. ■

AIR BEARINGS FOR TEXTILES AND COMPOSITES MANUFACTURING

Prof. Abhay N. Purant
DKTE's Textile and Engineering Institute, Ichalkaranji

Abstract

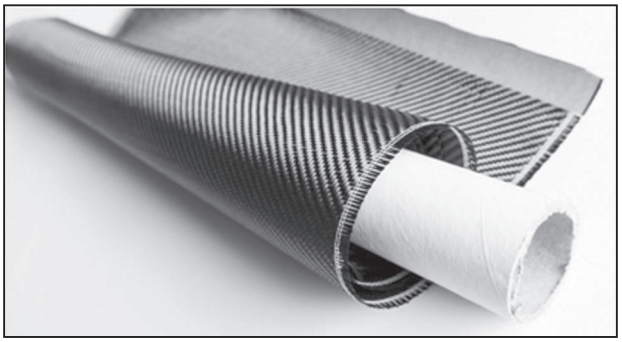
At New Way Air Bearings, we have always prided ourselves on providing Porous Media. Air Bearing technology to firms on the forefront of advancing their markets. And, now we see the untapped potential for noncontact air bearings in the textiles and composites manufacturing sector.

Introduction

Industries in the 21st century, the textile market doesn't simply encompass woven fabric for clothing and household goods, but also incredibly high-strength synthetic textiles like carbon fiber, fiberglass, and organic aramids all of which are spun and woven into their final forms.

Consumer Textiles

The global textile market was estimated at $961 billion dollars in 2019, and by this year, is expected to crest over a trillion dollars annually. A market of this size requires the latest technology to keep manufacturing processes humming along smoothly, as well as providing manufacturing techniques flexible enough to be readily retooled for a new fabric or product design.



Aerospace Grade Composite Materials

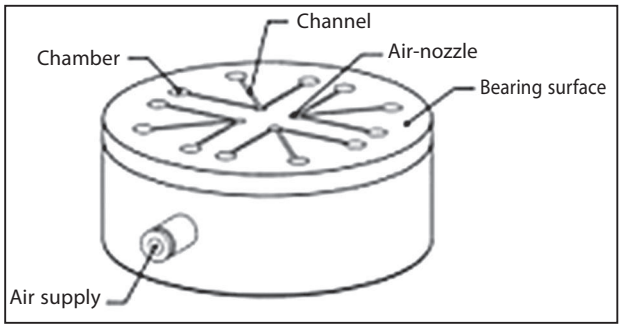
The composites market has undergone a meteoritic rise as well. A technology once relegated to niche, mostly aesthetic applications is now a dominant material category for demanding applications with stringent weight and strength requirements.

Fiber reinforced polymers like carbon fiber, fiberglass, and aramids form the backbone for airframes, vehicle chassis, and much more, and their anisotropic nature requires far more meticulous processing than materials like steel or aluminum. The alignment of a composite fabric's weave gives rise to its valuable strength to weight ratio and tensile strength, and ensuring perfection through both manufacturing process and inspection stages is the priority for any composites' original equipment manufacturer (OEM).

Applications

Web Handling

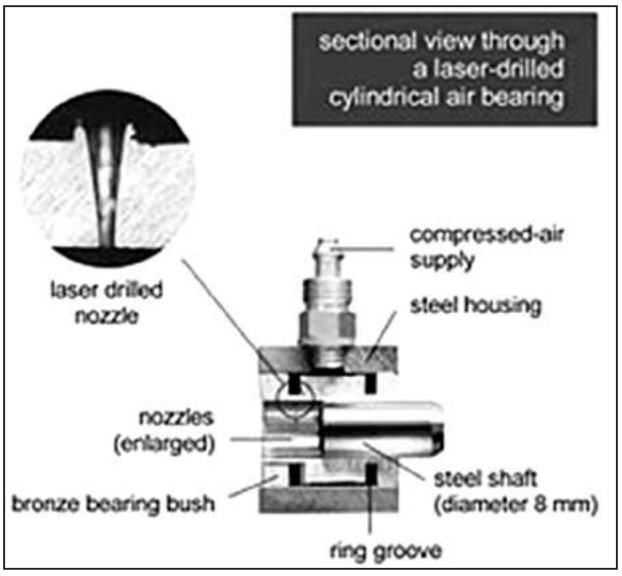
New Way Air Turns are a revolutionary application of porous carbon substrate, allowing for noncontact replacement of traditional contact roller-based systems. Instead of rotating a steel roller using ball bearings, the air turn remains stationary, allowing for up to 180-degree rotation of films and flexible substrates over the Air turn. For the transportation of spread tows and finished fabrics, Air Turns offer a faster, defect-free alternative to traditional rollers.



Nozzle-air bearing with chambers and channels

Linear Motion

When producing structurally critical composite components, your non-destructive inspection (NDI) process is as important as your manufacturing techniques, if not more so. Our Flat Round and Flat Rectangular air bearings have a long and successful history of being implemented in XY-gantry configured inspection stages, providing hysteresis-free motion for ensuring part compliance.



Cut through a cylindrical element

Conveying

Before and during the cure cycle, composites remain delicate, prone to voids, resin pooling, and fiber misalignments which can affect the viability of the finished product. Air Bars, like the Precision Zone series, combine our Externally Pressurized Porous (EPP) Media with vacuum holes, providing for fly height and range control, all while allowing you to transport products at high speeds, safely through your facility.

Benefits

Durability

Because all of our air bearings operate on a 5-micron thin layer of air, there is no contact between the air bearing and its guide surface, and thus, no wear and tear. For suppliers to keep up with the demands of their customers, many production lines run 24/7, and with an air bearing based system, you'll never find yourself shutting down production for lubrication or a spalled bearing.

Linear Precision

Air bearings have become a darling of the metrology and inspection industry for their incredible precision. Because air bearings are a noncontact technology and don't need to contend with the internal energy of ball bearings, they're neither susceptible to overshoot or hysteresis error and can be positioned to nanometer levels of accuracy, only limited by the motors which drive them.

Tunable Fly Height

One of the main benefits of our Air Turns is their tunable nature. By adjusting the airflow into the bearing surface, you can adjust the fly height of your material, increasing or decreasing tension, and reducing web height variations to <5µm/55mm in the web travel direction and <15µm/200mm in the transverse direction. This report from IBS Precision Engineering details how air turns are ideal for handling even the most delicate substrates with care, saving you the hassle of roller-induced defects, and quickly allowing you to retool for a material with different handling requirements.

Cleanroom Compatibility

New Way Air Bearings are uniquely suited for manufacturing textiles in cleanroom environments and for manufacturers who are especially concerned about potential foreign contaminants entering their products.

Since the air bearing surface acts as a sub-micron filter, the very nature of our air bearings filter air into the environment, and internal New Way testing has demonstrated our products as ISO class 3 and arguably ISO Class 1 cleanroom compatible.

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World leading textile-technologists keenly awaiting the launching occasion of textile machines made of latest technology at ITM 2022 to be held between 14-18 June

The world's leading textile machine manufacturers will launch the machines they have developed in the last 3 years at the ITM 2022-International Textile Machinery Exhibiiton, which will be held between 14-18 June 2022.

The ITM 2022 Exhibition, where companies that are world brands in textile machinery and technologies will introduce their latest products, will once again be the most important address where Big Ideas turn into technology and meet with global investors. Companies that focus on product development under pandemic conditions will present their technologies to the market at ITM 2022 and have the opportunity to introduce their customers face to face.

Investors from Europe, Asia and Turkic Republics will Prefer ITM 2022

ITM 2022 Exhibition, will make significant contributions to the success of the Turkish textile industry in production and exports. The textile machinery industry will make a big leap forward with the latest technologies to be introduced at ITM 2022 and new investment decisions will be taken. Trade committees and textile investors from many countries where textile production is active such as Pakistan, Bangladesh, Uzbekistan, India, and Egypt will prefer ITM 2022 Exhibition. Thanks to the machinery sales and business partnerships of manufacturers from all over the world, exhibition will create a great vitality in the Turkish and world economy.

A First at ITM 2022: Denim Technologies Special Section

With the occupancy limit reached in all halls of the ITM 2020, the 'Denim Technologies Special Section', which was established for the first time as an additional hall, will host denim fabric and apparel manufacturers. The fact that the manufacturers will exhibit their latest technological innovations in denim production, from machines for the sector to dyes, in the specialization hall, it will offer great opportunities for visitors.

Latest Innovations in Weaving, Yarn, Knitting and Digital Printing Technologies at ITM 2022

Leading brands of textile technologies such as Picanol, Itema, Toyota, Saurer, Rieter and Trützschler are among the companies that will exhibit their latest innovations at the ITM 2022. Saying that "We foresee a significant growth for the Turkish textile industry in the coming years," Erwin Devloo, Picanol Marketing and Communication Manager continued as follows: "ITM 2022 will be the first international textile machinery exhibition where the recently introduced novelties will be on display: PicConnect, OmniPlus-i Connect and OptiMax-i Connect." Itema Sales Director Ferdinando De Micheli said, "The ITM 2022 Exhibition will be the first exhibition after the long forced stop caused by the pandemic. That's why ITM 2022 will provide the perfect stage to present all the latest innovations we've been working on over the last two years." Toyota Operations Director, Markus Lichtenstein, announced that it will introduce the latest models in Air-Jet technology at ITM 2022. Dr. Bettina Temath, Head of Global Marketing of the Trützschler Group, said, "We observed an outstanding demand for our latest spinning preparation machinery solutions in Turkey. At the ITM 2022, we will introduce our newly developed combing machine TCO 21." Explaning that "Considering the importance of the Turkish textile market, ITM is an excellent platform to meet our customers and influences the whole region," Pia Terasa, Head of Marketing and Market Intelligence Saurer Spinning Solutions, said that they will introduce the Autocoro 10 open-end spinning machine to the visitors at ITM 2022.

Register Online, Enter ITM 2022 Free of Turn

Online invitation system was opened, allowing visitors to easily enter into the ITM 2022. Those who do not want to miss this great meeting; They can register online by clicking the e-invitation link at www.itmexhibition.com. After filling in the visitor information form, your e-invitation will be sent to you by e-mail. With this e-invitation, you can get your badges from the entrance of the fairground and enter the ITM 2022 free of turn.

ITM 2022 Prepares to Set New Records

Thousands of visitors from Europe, Central Asia, and Arab countries, especially from the Turkic Republics, will visit the ITM 2022 Exhibition to be informed about the latest trends in textile machinery. The latest ITM Exhibition hosted the world textile industry with 1200 exhibitors from 64 countries and 60,000 visitors from 94 countries. ITM 2022 Exhibition will set new records as one of the most important global organizations to be organized after the pandemic outbreak period.

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Textile sector urges govt makes cotton declaration mandatory

The textile industry has appealed to the Union Government to make cotton stock declaration mandatory for all stakeholders.

T. Rajkumar, chairman of Confederation of Indian Textile Industry, Ravi Sam, chairman of the Southern India Mills' Association, and Raja M. Shanmugam, president of Tirupur Exporters' Association said in a press release that only about 240 lakh bales of cotton are said to have arrived in the market as against 320 lakh bales that should have arrived by this time of the season.

There is no reliable data available regarding the stock with the kapas traders, ginners or cotton traders, they said, Cotton prices have shot up to ₹ 90,000 a candy from ₹44,500 a candy in February 2021. ''It is feard the industry may face cotton shortage during August to October,'' they said.

The industry officials added that unless global competitiveness of the local industry is raised by removing 11% import duty on cotton, the ready-made garment cluster would face a crisis. ❐

Cotton exports to surpass $15 bn : Texprocil

Cotton textile exports are expected to cross $15 billion this financial year, the Cotton Textiles Export Promotion Council (Texprocil) said in a statement recently.

The Texprocial added that export of cotton textile products – made-ups (including home textiles), fabrics and yarns - reached $13.95 billion between April 2021 and February 2022, surpassing the target of $12.5 billion fixed by the government.

Exports have seen a rise in all products in the value chain and across geographies such as Egypt, the U.S., Bangladesh, Vietnam and China. "Exports of cotton textiles have exceeded the target by 102% in 11 months, which is a landmark achievement in the history of cotton textile exports," it said.

Texprocil chairman Manoj Patodia said pent-up-demand, ban on Xinjiang cotton, extension of the RoSCTL scheme for madeups and garments till March 31, 2024, and coverage of the entire value chain under the RoDTEP scheme had all helped spur growth. ❐

Garment exporters worried over fall in global orders

Garment makers in Tirupur and Noida are seeing up to a 25% reduction in fresh orders from global brands like Mango, Zara, H&M after they suspended operations in Russia following its invasion of Ukraine. Spanish fashion retailer Inditex — which owns Zara – has halted trading in Russia, closing its 502 shops and stopping online sales a fortnight ago.

H&M has suspended operations in Russia, while Spain's second-largest fashion retailer Mango has also temporarily closed its 120 shops in Russia."Garments were routed to Russia through Spain," said Lalit Thukral, president, Noida Apparel Export Cluster. After all the global brands suspended operations, fresh orders have come down by 15%, he added. "We are a bit worried regarding payments that have got stuck due to the Russia-Ukraine war,'' Thukral said. The apparel export cluster in Noida houses 3,000 units, with an annual turnover of nearly ₹30,000 crores.

''The Russia-Ukraine war and the uncertainty around it have come at a time when the garment exporters were gradually recovering from the business impact of Covid-19,'' said Raja Shanmugam, president, Tirupur Exporters' Association. Fresh orders from brands like Zara, Mango, H&M have dropped 25% since the invasion, he said. "The freight rates have started climbing further due to geopolitical tension and exporters are bleeding,'' Shanmugam said.

Shipments through the Black Sea have also come to a grinding halt and exporters are now sending garments by air. The air frieght rate has shot up to ₹500 per kg from ₹150 per kg. ''Buyers will not pay for rising freight rates," said Thukral. Tirupur houses 2,000 knitwear garment export units and another 18,000 ancillary units that supply to knit wear firms.

''We have no worries about Q4 of FY22. All the orders have been locked and everything is in place. We do not know how long the war will continue and how the world will react to it,'' said Shanmugam.

Tirupur is the biggest garment manufacturing hub in the country and its share in India's knitwear exports is more than 55%.

In the current financial year. Tirupur exporters are expecting to touch ₹33,000 crores worth exports. They have targeted ₹40,000 crores in exports in FY23. ❐

EXPORT PROSPECTS AND MARKETS

Record high price of cotton leaves garments sector Jitter

The volatility in cotton and cotton yarn prices seems to be taking a toll on India's garments industry, which was gearing up to cash in on exports, owing to the demand dip for Chinese products, because of the lockdown in China.

Prices of Shankar-6 cotton, a benchmark for exports, are set to touch ₹1 lakh per candy now. The price of Shankar-6 cotton was quoted at over ₹90,000 per candy recently. This is up 96 per cent compared to around ₹46,000 per candy in January 2021.

Adding logistics costs to the current pricing would make it around ₹1 lakh soon.

An increase in the price of cotton by ₹1,000 per candy would lead to an increase of ₹4 per kg of yarn.

''Raw cotton prices in India have crossed ₹90,000 a candy. It has put the entire industry in turmoil and smaller players are being decimated by this crazy increase,'' said Sanjay Kumar Jain of Delhi-based TT Ltd, The company has its main manufacturing unit at Tirupur in Tamil Nadu.

''In the Current cotton season —that started from October 2021 —the price of cottn moved beyond double its normal price. Also, the availability of quality cotton is becoming scarce nowadays. Even when mills are ready to pay the high price, the availability of good quality cotton is not ensured, said K Venkatachalam, chief advisor of Tamil Nadu Spinning Mills Association (Tasma).

The association said that many mills in Tamil Nadu–using cotton as raw material —are facing closure, only on the reason of non-availability of cotton this year.

''All official crop estimates show sufficient stock but still artificial shortage has been created to push up prices. The government needs to take immediate action against all non-user stockists and ask them to disclose their stock. Exports of cotton are freely allowed, but imports carry over 10 per cent duty, leading to further woes for the industry,'' Jain added.

Trade sources said that one reason for the price rise is mismatch between production estimates of the government and actual crop.

The Centre estimates cotton production in 2021-22 at 36.25 million bales.

The Cotton Association of India (CAI) expects production to be around 34.3 million bales. Cotton consumption this year is expected to be around 35 million bales, though some traders said it could be nearly 33.5 million bales.

Consumption is estimated to be around 35 million bales and production (at the lower end of the band) could be around 33.5 million bales.

Hence, the total cotton closing stock at the end of the current season is expected to be around 1.5 million bales, after accounting for 4 million bales of exports. This lev el of stock will be lower than the 4.5 million bales of minimum stock required at the end of any cotton season. It would thus put further pressure on prices.

Globally, too, the USDA has lowered world cotton production and also India's production estimates in the last few months.

''Till, the last few years, the Cotton Corporation of India (CCI) used to hold at least some cotton with it but over the last few months it offloaded inventory into the market. It is left with almost nothing, which is why the market is bullish on cotton,'' a leading global trader said.

But, the more important reason, according to him, is the stagnation in supplies due to little innovation in production since the last few years.

Also, rising demand and global spike in cotton rates due to demand from China is leading to its price surge. ❐

Textile exporters face grim prospect of losing shares

A Sharp Jump in domestic cotton prices since February, caused partly by a drop in output, has hit the country's textile- and-clothing value chain, rendering hundreds of thousands jobless. Prices of the commonly used cotton variety have more than doubled to breach the 90,000 mark per candly of 356 kg since Frbruary 2021 when an import duty was raised. Local cotton prices have also exceeded global rates by as much as ₹ 1,500-2,000 per quintal.

Yarn manufacturers and garment units face the grim prospect of losing shares in export markets, where they made rapid strides in FY 22. Industry officials say that scores of export orders have either been cancelled by western buyers or been diverted to India's competitors like Bangladesh, Vietnam, China and Pakistan in recent months after the steady spurt in cotton prices forced domestic players to try and renegotiate deals.

Cashing in on a resurgence of demand from advanced economies, India had shipped out textiles, garments and allied products worth almost $40 billion in FY22, up 67% from a year before (albeit aided by a lower base). Thousands of power looms, texturisers, hosiery units and dyestuff manufacturers across the country are being forced to suspend or cut their operations, while spinning mills and large garment cluster too, have frozen production as output prices in local and export markets are barely in sync with the inflated cost of cotton.

In a meeting with commerce and textile minister Piyush Goyal on April 4, a delegation of top executives representing the textiles and garment sector sought abolition of the 11% import duty on cotton to tide over the acute raw material shortage.

Industry executives stressed that allowing cotton imports at zero duty is unlikely to hurt Indian cotton farmers, as they have already sold this season's produce to traders, who, in turn, are allegedly holding on to stocks to profit from an artificial shortage in the market. In any case, such imports are unlikely to cross 4 million bales of 170 kg each.

The Southern India Mills' Association (SIMA) said that though the textile industry in the south could manage the unprecedented Covid pandemic challenges thanks to various policy interventions taken by the government, including better-designed duty remission schemes namely RoDTEP and RoSCTL, the industry has now started incurring cash losses, and is facing difficulties in meeting the export commitments.

It is feared that the textile industry in Tamil Nadu might face cotton shortage during August-October resulting in industrial unrest. There is no reliable data available of cotton price (MSP) of much-in-demand long-staple cotton at ₹6,025 per quintal for the 2021-22 season, the procurement agencies - Cotton Corporation of India and Maharashtra State Cooperative cotton Federation – haven't had to purchase cotton from farmers as market rates remained much higher than the MSP. Various cotton varieties are being sold at prices ranging between ₹8,000/quintal and ₹13,500/quintal at most mandis in the state, he said. A fall in cotton production in the last season coupled with a jump in consumption of the natural fibre by textile units that had secured export orders, led to a shortage of cotton in the country, Swami said. He said most power looms in the country prefer to stay shut now because their cost of production has gone up given the scarcity of good-quality cotton in the market.

Cotton imports in India are effectively taxed at 11% (including cess and surcharges), while Vietman and Bangladesh allow their industries to buy the fibre from abroad to buy the fibre from abroad at zero duty. This offers India's competitors a substantial advantage in raw material costs, in addition to their duty-free access to critical markets like the US and the EU, a privilege that New Delhi doesn't enjoy.

Indicating that western buyers are scouting for alternative source due to high costs here stocks maintained by the kapas traders, ginners and traders. "In the case of spinning mills, only around 40% of the mills provide data to the office of the textile commissioner. Therefore, the cotton traders are hoarding stocks and inflating the prices artificially and taking advantage of futures trading on commodity exchanges MCX and NCDEX,'' a SIMA official said.

Dhamsania who represents the Gujarat spinning units added that they collectively reduced production of cotton yarn by at least 20% effective April 1. Apart from increased cotton prices, exporters of yarn are also facing issues of increase in freight charges as well as non-availability of shipping containers due to the ongoing Russia Ukraine war, he said. Traditionally, almost half of the cotton yarn manufactured in Gujarat has gone to Bangladesh, Indonesia, China, Egypt and European countries.

Forget smaller spinning units, bigger players like Welspun Group are feeling the heat of increased cotton prices despite having captive spinning units at its Vapi (South Gujarat) and Kutch facilities. International buyers would give 15-20% price difference considering increased raw-material prices, but current inflated rates of cotton are unprecedented, says China Thaker, president Welspun Group claiming that in some cases, production costs have gone up to such an extent that export orders taken a couple of months ago or earlier could now be executed only at a loss.

''In the beginning of March this year, prices of cotton were ₹76,000 per candy, but it is hovering around ₹92,000 per candy. Almost remained the same. Spinners are in a dilemma as to whether they should take fresh orders or no,'' Thaker, who is also the chairman of Assocham-Gujarat, added Ravi Sam, chairman, SIMA, said that unless the 1% import duty on cotton is removed and cotton prices

are stabilised, the highly labour intensive ready-made garment clusters in Tamil Nadu would face a severe crisis. " Farmers have already sold their produce and therefore, they will not be loosing anything if the cotton prices are brought down. Only a handful of traders are gaining from the high cotton prices", he said.

Cotton prices skyrocketed after domestic production is estimated to ease to about 34 million bales in the current marketing year through September from 36-37 million bales in 2020-21, industry executives said. On top of this, about five million bales are expected to be shipped out. In contrast, the demand is set to jump to 36 million bales this year, against 32 million bales in 2020-21.

According to Maharashtra cooperative textile Mills' body, its office bearers would soon meet Union minister for home and cooperation Amit Shah to seek removal of the import duty on cotton. "Because of the import duty, it is not possible to import cotton. "Because of the import duty, it is not possible to import cotton from Australia, the US and Brazil,'' said Swami. ''Of around 150 cooperative spinning mills in the state, only 80 are currently functional," he said.

The power looms in Maharashtra, numbering some 2.3 million across Bhiwandi, Malegaon and Solapur, have also been badly affected, Ichalkaranji is home to 0.12 million power looms that produce 20 million metres of fabrics on a daily basis while Maharashtra produces some 250 metres every day. Satish Koshti, president, Ichalkaranji District Powerloom Association, said that units in the town preferred to remain shut since they could not afford the high cotton prices. The state's power loom sector employ over a million workers. ❐

Textile Jewelleary unrestrainedly hiring on UAE FTA

Textile and gem and Jewellery Industries have started increasing their headcount in anticipation of a spike in exports in the wake of the trade agreement between India and the United Arab Emirates.

Textile export units in Tirupur and Noida plan to increase their headcount by up to 15% and 30%, respectively, while jewellery trade said artisans from West Bengal will get more Jobs as jewellery crafted by them are in huge demand in the UAE market.

India and the UAE on February 18 signed Comprehensive Economic Partnership Agreement (CEPA) the country's first free trade agreement with a major trading partner in more than a decade.

It is expected to come into force by early May.

"We are expecting our export turnover to cross Rs. 40,000 crores in FY23, when the FTA becomes effective,", said Lalit Thukral, president of Noida Appanel Export Cluster (NAEC).

He said apparel units in Noida will have to increase the workforce by 25%-30% as they are expecting good orders from the UAE from where garments are shipped to other countries like South Africa and Russia.

The cluster, which houses about 3,000 units, currently employs around 700,000 people, and exports garments worth around Rs. 30,000 crores a year.

Raja Shanmugam, president of Tirupur Exporters Association, expects the government to conclude more such trade agreements with the European Union (EU), Canada and others. "This will increase the marketplace for Indian goods and send positive signal to the jobseekers," he said.

Textile units in Tirupur ; which employ around 600,000 people, are expected to increase their headcount by 10%-15%.

Gem and jewellery exporters also expect a boost in business as the UAE accounts for 80% of India's plain gold jewellery exports and 20% of studded jewellery exports.

The trade deal has come at an opportune time when both the countries are looking to rebound from the Covid-19 setback and realign their common business interests, including gold and diamonds. ❐

Textile sector urges the govt. allow duty free import of raw-cotton

With makers of cotton textiles and yarn bracing themselves for a shortfall in the supply of raw material in the coming months, firms have again

asked the government to allow duty free imports of raw cotton.

Trade sourcs, while discounting the possibility of any big-ticket hoarding by traders and multinationals, said on March 31, 2022, around 3 million bales was left as stocks against a normal of 5-6 million bales (1 bale = 170 kg), while another 5 million bales was with farmers. This would make a pipeline stock of around 8 million bales, which is good enough to last three-four months. "The new crop is likely to come only around October. This means to run mills and spindles, we need to import a minimum of 4 million bales of raw cotton soon at zero duty,'' a senior industry official said.

The situation has become worse because the production of cotton has been lower than initial estimates due to damage to the standing crop.

The duty on raw cotton is 10-11 per cent. Another section of playes is apprehensive of the impact of duty-free imports because overall the world cotton market is extremely tight.

Cotton prices have spiked from ₹70,000 per candy (one candy is 356 kg) to over ₹90,000 in a few months at a time when order across the textile value chain have led to increased demand in the domestic market. "For the first time in several years, there is not enough cotton to run mills. A lot of mills might be without cotton and end up staying closed for three-four months until fresh cotton arrives in October. Also, cotton prices in India have risen so much that they are 5-10 cents costlier than US cotton. Hence, lifting import duty on cotton has become imperative," said Ronak Chiripal, chief executive officer of Nandan Terry, part of the Ahmedabad-based textile conglomerate Chiripal Group.

Against an average stock of more than three months, Chiripal said the company was left with stocks to last one and a half or two months since it was waiting for cotton prices to rationalise before restocking, which never happened. "We didn't replenish our stocks when cotton prices were at ₹70,000 a candy, hoping that it would decline. We only started stocking when prices were rising and there is no correction in sight. Hence, the current sock of cotton is quite less than usual,'' he added.

Similarly, the Southern India Mills' Association (SIMA), along with other textile industry bodies, has flagged concern over shortages of quality cotton that the textile and clothing (T&C) industry is facing now.

According to the National Committee on Textiles and Clothing, a delegation formed by multiple industry bodies including SIMA and Cotton Textiles Export Promotion Council, the shortage comes in the backdrop of falling domestic cotton production during the current cotton season and the increased demand from the textiles and clothing industry, along with high cotton exports.

While the government had levied import duty on cotton to protect the domestic industry, players like Nandan Terry say the move is affecting makers of domestic bed linen and towels, which are dependent on Egyptian and Australian cotton, "In towels and bed linen, demand for Egyptian and Australian cotton has been high. As a result, the same has to be imported but the duty does not make sense since it does not protect Indian cotton suppliers," Chiripal added. ❐

Garment firms ask for ban on cotton exports as prices surge

With some textile mills raising cotton yarn prices on recently, garment manufacturers in Tiruppur have called for a ban on export of cotton and cotton yarn.

Textile mills have, meanwhile, urged the Union Government to come out with a system to collect accurate data on cotton production and consumption.

"There is no data on cotton production, consumption, stocks available with farmers and traders," Ravi Sam, chairman of Southern India Mills' Association (SIMA), said.

"Textile mills are adding spindles and cotton consumption is increasing. Only with proper data can the government take decisions that will help the industry."

It is estimated that at least two lakh spindles are added every month leading to higher demand for cotton. Textile mills have started contracting cotton from overseas suppliers though international prices are at present slightly higher than domestic prices. If cotton and yarn exports are banned, prices will crash and the mills will incur losses, he said.

Cotton prices reduced slightly when the government removed the import duty. However, prices have started rising since.

The government should announce a technology mission on cotton to increase productivity and introduce a system to collect proper data on cotton, he said. ■

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Trützschler marked its important occasion of laying a foundation stone for new factory in Ahmedabad

One stone can sometimes make a massive impact. On April 5, Trützschler celebrated the laying of a foundation stone for its new 164,000-square-meter factory near Ahmedabad in India. It will open up enormous potential to meet our customers' needs in India and around the world. And the state-of-the-art facility is another big step forward for our growing business.

F.l.t.r.: Dr. Michael Schürenkrämer, Shareholder of Trützschler Group SE, Dr. Roland Münch, Chairman of the Supervisory Board of Trützschler Group SE, Mr. Anuj Bhagwati, Managing Director of A.T.E., Mr. Joseph Thomson, Managing Director of Trützschler India, Mr. Jayesh Bhatt, Member of the Board of Directors of Trützschler India, Mr. Kashyap Bhavsar, Vice President Finance of Trützschler India, Mr. Ashish Sharma, Vice President Sales, Marketing and Service of Trützschler India

Since 1977, Trützschler India has operated at its current location in the Narol area of Ahmedabad. It's now time to relocate to a larger and more modern facility that canfurther strengthen the company's competitive edge and boost its capacity to serve customers. The new factory in Sanand will feature a 67,000-square-meter production area plus a two-floor office building covering 6,000 square meters, including landscape gardening architecture. The plans for the site already include possible expansion phases – because Trützschler India is always focused on growth.

The stone-laying ceremony was performed by Dr. Michael Schürenkrämer, Shareholder of Trützschler Group SE, Dr. Roland Münch, Chairman of the Supervisory Board of Trützschler Group SE, Mr. Jayesh Bhatt, Member of the Board of Directors of Trützschler India, and Mr. Anuj Bhagwati, Managing Director of A.T.E.Together, they launched the process of building a modern factory that will boost Trützschler's capacity to produce spinning preparation machines and card clothings. In addition, the site will also include a new facility for making nonwoven equipment.

Modern manufacturing

Trützschler's new factory is designed to incorporate an impressive range of innovative and sustainable features. It will have a solar rooftop, natural daytime lighting, solar-powered air conditioning and solar-operated street lights, as well as charging points for electric vehicles, heat-reflective tiles, a rainwater collection system and a zero-wastewater discharge approach. It will also use cutting-edge systems to monitor and reduce emissions, and will use automation and Artificial Intelligence to optimize its processes. In this way, the new site is being designed to meet the requirements for ISO 9001:2008 and ISO 50001-2018, while also fulfilling the criteria for the "Gold" rating from the Indian Green Building Council (IGBC).

Stone-laying ceremony performed by Dr. Roland Münch, Mr. Anuj Bhagwati, Dr. Michael Schürenkrämer, Mr. Jayesh Bhatt (from bottom to top)

The new site will carry forward its constant focus on boosting efficiency and productivity – while reducing waste and emissions. This enables the company to maximize the value it creates for customers in India and around the globe, while also minimizing its environmental footprint. The company already operates a lean manufacturing approach and 5S concept, with initiatives such as quality circles, daily reviews and regular cross-functional interactions.

Training from Trützschler

Alongside its manufacturing facilities, this new location will also host a Customer Training Center. Experts from Trützschler will share their knowledge and help customers to stay up-to-date about the latest trends and technologies.An expanded Trützschler Training Academy will also enhance the company's capacity to train young people with employable skills so that they can support their families. This project is fully aligned with the government's "Skill India Mission".

CORPORATE NEWS

"Trützschler India is committed to serving the growing domestic and international demand with our

The first stones are buried in the ground

cutting-edge products," said Mr. Joseph Thomson, Managing Director of Trützschler India."With this new facility, we aim to further strengthen our position in the textile market in India."

For futher information, please contact
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Navyasa by Liva a contemporary saree brand will be launched at Phoenix Palladium, Mumbai

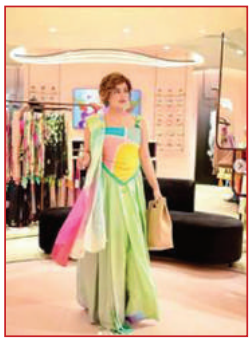
A contemporary saree brand by Aditya Birla Group, this will mark Navyasa by Liva's 5th store since its launch a month ago

Navyasa by Liva; a contemporary saree brand from the house of Aditya Birla Group, expands its retail presence with the opening of their fifth store at Phoenix Palladium, Mumbai. Located in South Mumbai, Palladium is inarguably the most premium shopping destination of the city. Endorsed by Deepika Padukone, navyasa by Liva brings a modern and revolutionary take on the saree with their contemporary designs.

To celebrate the launch, fashion influencers Juhi Godambe, Rupali Hasija (Curl Girl), Naina Ahluwalia, and Prerna Chhabra visited the store and experienced the sarees.

Located on Level 2 of the mall, the store is aesthetically designed to suit the fashion sensibilities of the young audience with its artfully decorated and vibrant interior just like the saree collection itself. The store will be an experience in itself with a magic mirror which is a digital marvel for shoppers. Navyasa by Liva is the first saree brand to use magic mirror, a cutting edge digital technology. It allows you to browse and virtually try on 150+ saree styles.

Navyasa by Livasarees are fluid, flowy and are made with nature-based fabric Liva. They allow women to move around with spirited optimism and #freetobe in their element as well as explore life comfortably whether at work, party, lunch or a cafe. The collection features ethereal prints and chic styles. Each saree tells a colour-rich story with a modern twist. The unique bold designs and diverse themes are designed to allow style to converge with fashion. Renowned designers Abir and Nanki, along with the internal design team at Liva have been instrumental in bringing the collection alive.



To cater to their largest clientele, which is the contemporary, urban women, Palladium Mall is the ideal location for the brand's latest expansion. Home to the most exquisite Indian and global luxury brands; Palladium attracts the city's finest and most exclusive patrons.

Mr. Rajnikant Sabnavis, Chief Marketing Officer, Grasim Industries (Pulp and Fibre), said, "Navyasa by Liva has received great response from new-age women and is witnessing a consistent rise in demand. The brand is an ode to true contemporary, cosmopolitan Indian women who believe that style is a combination of fashion and comfort. After the success of our four flagship stores, the natural next step was to launch additional stores in relatable spaces which cater to our audience. Phoenix Palladium fits the criteria in every way."

Navyasa by Liva flagship stores are also operational at Ambience Mall Vasant Kunj, DLF Saket in Delhi, Orion Mall in Bangalore, and Inorbit Mall in Mumbai.

About LIVA

LIVA is a new age fabric from the Aditya Birla Group. Unlike other fabrics, that are boxy or synthetic, LIVA is a soft, fluid fabric that falls and drapes well. A promise that is delivered through

an accredited value chain. The new-age naturally sourced fiber made into fabric in pure or blended form transforms not just the garment but also the person wearing it. It is comfortable, soft, natural, and eco-friendly. The brand recently launched its eco-enhanced version of the fabric, called Livaeco, which is made of wood pulp sourced from FSC certified forests.

Insta handle - @navyasabyliva

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TENCEL™ brand Teams up with RCGD Global

TENCEL™ brand and RCGD Global spotlight eco-couture at the Oscars® and unveil winning looks of the 2020 and 2021 Global Design Contest

- TENCEL™ and RCGD Global collaborates for the third year running to spotlight eco-couture at the Oscars
- Winning designs of the 2020 and 2021 Global Design Contest were unveiled publicly for the first time in Los Angeles on March 25th
- TENCEL™ branded lyocell fibers featured in custom-made gowns by HELLESSY, Patrick McDowell and BENEDETTI LIFE

Lenzing's flagship textile brand, TENCEL™, and RCGD Global (formerly known as Red Carpet Green Dress™) join hands for the third year to spotlight eco-couture at the 94th Awards® (also known as "the Oscars"). As part of the partnership, RCGD Global and TENCEL™ also unveiled the winning designs of the 2020 and 2021 Global Design Contest for the first time at a Pre-Oscars celebratory event in Los Angeles on March 25th.

"We are proud to partner with RCGD Global for the third consecutive year in greening up the Oscars and empowering rising designers through the global design contest. These events are major milestones in our goal to bridge the divide between luxury fashion and bringing positive impact to our planet. As we celebrate the 30th anniversary of TENCEL™ this year, the ongoing collaboration supports our overarching mission to provide brands and designers with sustainable solutions, focusing on enhancing circularity and achieving a completely transparent supply chain," said Harold Weghorst, Global Vice President of Marketing and Branding at Lenzing AG.

Bringing greener alternatives to the red carpet

This year, three custom-made gowns, made of bespoke fabrics made from TENCEL™ Lyocell fibers and TENCEL™ Luxe filament yarn have been featured on the red carpet of the Oscars. More information about the fabrics used in the red carpet gowns can be found in the Appendix A.

Star of "Uncharted", "You" and "Chilling Adventures of Sabrina", Tati Gabrielle wore a custom HELLESSY off-shoulder cape gown dress made from an ivory TENCEL™ Lyocell textile with fringing that drips like frost around the body.

Seasoned Broadway performer and star of the Best Picture nominated "West Side Story", Paloma Garcia Lee makes her Oscars debut wearing a custom Patrick McDowell gown in a luxury textile made from TENCEL™ Lyocell fibers and linen with a bottle green sensation.

Lifelong sustainability advocate and mother of Billie Eilish and Finneas, Maggie Baird wore a custom BENEDETTI LIFE custom-made gown in a luxurious black textile made from TENCEL™ Luxe filament yarn, black textile made from TENCEL™ Lyocell fibers, as well as blue fabric made of carbon zero TENCEL™ Lyocell fibers.

Derived from sustainably sourced natural raw material wood, TENCEL™ branded lyocell fibers are produced in a closed loop process and are fully biodegradable and

compostable. Known for its natural comfort, fabrics made of TENCEL™ Lyocell fibers are also gentle on skin with high tenacity and efficient moisture management.

As a vegan sustainable alternative to silk, TENCEL™ Luxe filament yarn give fabrics an exquisite sensual appeal with silky smoothness, liquid-like drape and color vibrancy. Produced using eco-responsible production processes, TENCEL™ Luxe filament yarn is also certified as biodegradable and compostable, offering a circular solution to eco-couture and luxury fashion.

Empowering rising designers to go green

The winning designs of the 2020 and 2021 Global Design Contest, organized in partnership with RCGD Global and CLO, were unveiled publicly for the first time at a Pre-Oscars celebratory event in Los Angeles on March 25th to leading sustainable advocates. Those in attendance included Zoe Saldana, Paloma Garcia Lee and Haley Strode.

'It was a rejoicing moment to celebrate our Pre-Oscars celebration after two years of remote activity. It has been a pleasure to have our friends and supporters in one room to applaud fabrication and technological advances in the fashion industry alongside finally showcasing Sanah Sharma, Jasmine Kelly Rutherford and Yuriko Fukuda's RCGD GLOBAL Design Contest winning looks. We are also thrilled to continuing the celebrations with our annual sustainable gowns created with our partner TENCEL™ on the red carpet at the 94th Academy Awards®," said Samata Pattinson, CEO at RCGD GLOBAL.

Using fabrics with a blend of TENCEL™ Luxe filament yarn and cashmere, winner of the 2020 gown design, India-based designer Sanah Sharma curated a chic and majestic gown with zero-waste in mind. The gown shines with elegance in a silverish grey sheen.

Winner of the 2020 suit design, New York-based Jasmine Kelly Rutherford created a unique look uses fabrics with a blend of TENCEL™ Luxe filament yarn and cashmere. The silvery grey sheen brings an exquisite twist to the classic red carpet tuxedo look and it's an absolute compliment when paired with Sanah's gown.

UK-based Yuriko Fukuda, 2021's womenswear winner, designed a bespoke look using fabrics made of TENCEL™ Lyocell fibers and acetate. The gorgeous black look gives a new meaning to LBD for red carpet moments.

The winning design of the 2021 menswear category, created by Singapore-based designer Benjamin Koh, will be unveiled at a later date.

As a celebration of sustainable innovation in haute couture, the event also featured a "green" carpet made of TENCEL™ Lyocell fibers. Originated from certified and controlled wood sources, TENCEL™ Lyocell fibers can be fully biodegradable and compostable. Made of TENCEL™ Lyocell fibers, the carpet exhibits a pleasant, naturally gentle feel.

About TENCEL™ and TENCEL™ Luxe

TENCEL™ is the flagship brand under The Lenzing Group that covers textile specialty product fiber offerings. Since 1992, the TENCEL™ brand has been driving the evolution of fiber solutions for the apparel and home textile segments through several industry-first innovations and environmentally responsible production processes. Product brands under TENCEL™ include TENCEL™ Active, TENCEL™ Denim, TENCEL™ Home, TENCEL™ Intimate, TENCEL™ Luxe and TENCEL™ for Footwear. TENCEL™ Luxe branded lyocell filament yarn is derived from wood grown in renewable, sustainably managed forests, in line with the stringent guidelines of the Lenzing Wood and Pulp Policy. The silk-like continuous filament yarn is produced in an environmentally sound closed-loop process that recycles process water and reuses the solvent at a recovery rate of more than 99%. Registered with The Vegan Society, TENCEL™ Luxe filament yarn offers with its luxurious touch a botanic, biodegradable alternative to silk. TENCEL™ Luxe is a unique filament yarn created for the high-end fashion market under TENCEL™, the textile specialty brand of The Lenzing Group.

About RCGD GLOBAL

RCGD Global is a women-led global change-making organisations working from 'moment' to

movement, bringing global cultural sustainability to the forefront of conversation and action within the fashion and design world. Celebrating its 10th year of the Red Carpet Green Dress campaign initiative at the Oscars, RCGD Global was initially conceived as a design contest by Suzy Amis Cameron (actress, environmental advocate, and author) when faced with the lack of ethical fashion choices while attending global premieres of husband James Cameron's' 'Avatar'. The organisations' work has since developed to include collaborations with global and small independent brands, partnerships delivering sustainable design solutions such as regenerative materials, educational work with the emerging design community - including workshops, internships and work experience, and international design contest initiatives. Alongside a consultancy offering, RCGD Global's R & D division delivers thought-leadership work for the industry, working with leading institutions such as Institute for Sustainability Leadership, University of Cambridge and University of California, Berkeley.

RCGD Global works to draw attention to the importance of more sustainable practices in the design world and to be part of bringing those solutions to a global, culturally diverse market. Leading fashion houses including Louis Vuitton, Vivienne Westwood, Armani, Elie Saab, Swarovski, Christian Siriano, Bulgari, Dunhill and Reformation have joined the campaign to create sustainable red carpet wear. Celebrities including Sophie Turner, Laura Harrier, Emma Roberts, Marlee Matlin, Danielle MacDonald, LaKeith Stanfield, Camila Alves, and Naomie Harris have joined the campaign as representatives of its Oscars red carpet green dress initiative. RCGD Global's work has been featured in VOGUE, Vanity Fair, W Magazine, People, The Hollywood Reporter, WWD, Washington Post, Harper's Bazaar, Refinery29, The Guardian, ELLE, LA Times, The New York Times, Business of Fashion amongst others, across over 100 countries.

Helmed by CEO, Samata Pattinson, a prior winner of the Global Design Contest in 2011 with over a decade of experience, Red Carpet Green Dress unveiled its rebrand to RCGD Global in 2022, to fully encompass the multitude of spaces that the organisation exists in with a focus on four core pillars.

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Shree Pushkar Chemicals to exhibit its sustainable range of products at Dyechem World Exhibition

Shree Pushkar Chemicals has confirmed participation in Dyechem World Exhibition, from June 3-5, 2022, in Tirupur, Tamil Nadu

This is a first of its kind exhibition for the Indian dyes and chemicals industry, which offers an effective platform to showcase their various solutions and products. And through the CEO Summit, exhibitors will also get an opportunity to interact and network with international buyers and apparel producers, to better understand product trends.

Shree Pushkar Chemicals & Fertilisers Ltd. is a leading manufacturer of dyes, dye intermediates, and fertilisers. Having started manufacturing in the year 2001 with a single product, the company has aggressively expanded its portfolio to over 25 products, today.

With its recent venture into the manufacturing of reactive dyes and textile chemicals, the company is headed towards being a "one-stop shop" for the Textile Effects industry.

The company has a strong focus on sustainability, which led to the launch of DYECOL™ range of reactive dyes to tackle environmental and sustainability issues of the textile wet processing industry. It uses less water and energy and decreases the processing skills in comparison to conventional dyes industry. The company has GOTS certifications for its product range, and is also a bluesign system partner and ZDHC contributor.

Among its many strengths, Shree Pushkar has adopted sustainable business practices with least environmental risks and enhanced profitability. It is also a zero debt company with almost nil debt to equity ratio. The company uses high pressure steam from sulfuric acid for power generation and internal consumption. The company is backward integrated for raw material manufacturing, with all manufacturing facilities located within MIDC, Lote Parshuram, Maharashtra, thus affording numerous cost advantages.

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A report on the Seminar on "Technical Textiles—need of today and tomorrow"

26th March 2022, Hotel Fortune Park Galaxy, Vapi (Gujarat)
Organized by the Textile Association (India), Mumbai Unit

The Textile Association (India), Mumbai Unit organized One Day Seminar on "Technical Textiles – Need of Today and Tomorrow" on 26th March 2022 at Vapi (Gujarat). The seminar was inaugurated by the Chief Guest Mr. G. V. Aras, Consultant & Strategic Business Advisor and Former Director, A.T.E. Enterprises Pvt. Ltd.

Chief Guest, Mr. G. V. Aras, Consultant & Strategic Business Advisor and Former Director, A.T.E. Enterprises Pvt. Ltd. lighting the lamp.

Standing (L to R): Mr. R. K. Vij, President, TAI, Mr. Vikas Sharan, Vice President, TAI, Mumbai Unit, Mr. V. C. Gupte, Chairman, TAI, Mumbai Unit, Mr. G. V. Aras, Mr. Amit Agarwal, Chairman, ITTA, Mr. A. V. Mantri, Hon. Secretary, TAI, Mumbai Unit, Mr. Haresh B. Parekh, Convenor of the Seminar.

Inaugural Session

Mr. V. C. Gupte, Chairman, TAI, Mumbai Unit in his welcome address welcomed the Chief Guest, Key Note Speaker and Guests of Honour. He also welcomed the Awardees of The Lifetime Achievement Award & The Industrial Excellence Award, Speakers, Press, Media and delegates.

Chief Guest, Mr. G. V. Aras delivering his inaugural address.

Mr. Haresh B. Parekh, Convenor of the Seminar while giving the highlights said that this seminar is organised to discuss the Opportunities for the Technical Textile industry in the challenging scenario. This exclusive seminar is to discuss the need of technical textiles for today and tomorrow. The deliberations in this seminar will show the future trend to do more towards new arenas of research, innovation, market development and investments in technical textile business.

Dr. Anup Rakshit, Executive Director, Indian Technical textile association (ITTA) in his Key Note Address said that ITTA is playing very crucial role in developing technical textile activity across the nation and guiding organization in the field in all respects. He highlighted various sectors of technical textiles and government initiatives toward establishing technical textile business in the country.

Key Note Speaker, Dr. Anup Rakshit addressing the gathering.

Mr. Amit Agrawal, Chairman, Indian Technical Textile Association (ITTA) in his address as a Guest of Honour discussed about

ITTA's vision toward technical textile business in India. He also mentioned about the policy initiatives on Technical Textiles introduced by Ministry of Textiles, Government of India.

Guest of Honour, Mr. Amit Agarwal addressing the gathering.

The Textile Association (India), Mumbai Unit felicitated **Mr. Pramod Khosla,** Chairman & Managing Director, Khosla Profile Pvt. Ltd with **"The Lifetime Achievement Award"** and **Mr. Narendra Dalmia,** Director & CEO, Strata Geosystems (India) Pvt. Ltd. with **"The Industry Excellence Award"** for their outstanding contribution in the field of technical textiles.

Mr. Pramod Khosla, Chairman & Managing Director, Khosla Profil Pvt. Ltd. receiving The Lifetime Achievement Award by the hands of Chief Guest.

Mr. G. V. Aras, Consultant & Strategic Business Advisor and Former Director, A.T.E. Enterprises Pvt. Ltd. while giving his inaugural address said that there are lot of opportunities in Technical Textiles industry but we are not able to grab them to prove ourselves in the international market. We don't have the capacity for bulk manufacturing which can fulfil the requirements of big buyers. He also focussed that it is need of the hour to get skilled manpower in this area. He suggested that textile educational institute should make technical textiles as a compulsory subject in their curriculum. He also emphasized that due to Covid problems in China the production capacity has been considerably reduced and hence Indian textile industry has tremendous opportunity to increase the productivity and grab the international market. He also praised the Indian textile industry for increase in the manufacturing of mask and medical kits business during this pandemic period.

Mr. A. V. Mantri, Hon. Secretary, TAI, Mumbai Unit, proposed Vote of Thanks.

Technical Session

THEME ADDRESS

Mr. Pramod Khosla, Chairman & Managing Director, Khosla Profile Pvt. Ltd. delivered theme address on "Importance of Technical Textile in Indian Textile Industry'. In his address he discussed about the various sectors in the technical textiles and emphasized on the newly introduced composites. He also gave the guidelines for Textile Technicians for manufacturing Technical Textile.

SESSION – I

PANEL DISCUSSION

A Panel Discussion on the topic 'Emerging Opportunities in Technical Textiles' was featured an important event of the seminar. The discussion moderated by Dr. Chandan Chattarjee, Executive Director, ADS Foundation and the panel was comprised of senior leaders from the textile industry. The panel members came up with some radical thoughts which could be helpful for the growth of Technical Textile industry.

Mr. Narendra Dalmia, Director & CEO, Strata Geosystems (India) Pvt. Ltd. talked about geosynthetic material development and shared examples of its application. He mentioned how technology can resolve national problem in this road construction area. According to him there is huge opportunities in technical textile business.

A report on the Seminar on Technical Textiles—need of today and tomorrow

Mr. Narendra Dalmia, Director & CEO, Strata Geosystems (India) Pvt. Ltd. receiving The Industrial Excellence Award by the hands of Chief Guest.

Dr. Mohit Raina, Managing Director, Raina Industries Pvt. Ltd. highlighted about role of FRP in civil engineering applications and how a corrosion issue can be solved using textile materials. He elaborated good examples on sustainable solution to solve various problems.

Release of Book of Papers :

Standing (L to R): Mr. A. V. Mantri, Mr. Haresh B. Parekh, Mr. V. C. Gupte, Mr. R. K. Vij, Mr. G. V. Aras, Mr. Amit Agarwal, Mr. Vikas Sharan, Dr. Anup Rakshit.

Mr. R. K. Viz, Advisor-Polyester, Indorama Synthetics Pvt. Ltd. focussed his discussion on the role of man made fibre in development of technical textiles. He stressed on PIL scheme of GOI and its benefits.

Mr. Yogesh Kumar Garg, Managing Director, Dilo India Pvt. Ltd. took up a point on weaving machines for technical textile manufacturing. He also highlighted about role of Jute, banana, pineapple natural fibre role in technical textile development.

Panel Discussion Session I : (L to R)

Mr. Narendra Dalmia, Director & CEO, Strata Geosystems (India) Pvt. Ltd., Dr. Mohit Raina, Managing Director, Raina Industries Pvt. Ltd., Dr. Chandan Chatterjee, Executive Director, ADS Foundation, Mr. R. K. Vij, Advisor-Polyester, Indorama Synthetics (India) Ltd., Mr. Yogesh Kumar Garg, Managing Director, Dilo India Pvt. Ltd.

SESSION – II

During the technical session, following papers were presented by the eminent speakers.

- **Mr. Paresh Shah,** Vice President, Rabatex Industries Pvt. Ltd. presented the paper on "Rabatex : Warp preparation solutions for technical textiles"
- **Mr. Anurag Tandon,** India Sales Manager, Avgol Nonwovens India Pvt. Ltd. presented the paper on "Polyester Market Growth".
- **Mr. Anjani K. Prasad,** Managing Director, India Cluster, Archroma India Pvt. Ltd. made presentation on "Sustainable Technical Textile-Chemical View".
- **Mr. Sudipto Mandal,** Assistant Manager-Sales& Marketing, Oerlikon textiles India Pvt. Ltd. presented paper on "Innovative manmade Fibres Solutions & Technology for textile and technical Textile application, Supporting sustainable textile value chain".

A report on the Seminar on Technical Textiles—need of today and tomorrow

Panel Discussion Session II : (L to R)

Mr. Narendra Kajale, Vice President, Technology & Innovations, Texport Syndicate (Ind) Ltd., Mr. Sanjay Sathe, Sr. Vice President & Head Product Management, Archroma India Pvt. Ltd., Dr. Anup Rakshit, Executive Director, ITTA, Mr. Prashant M. Mangukia, Director, Yamuna Machine Works Pvt. Ltd., Mr. Birendranath Bandhopadhyay, President, Kusumgar Corporates Pvt. Ltd.

SESSION – III
PANEL DISCUSSION

A Panel Discussion on the topic 'Technological Advancements in Technical Textiles' was featured as the last event of the seminar. The discussion moderated by Dr. Arup Rakshit Executive Director, Indian Technical Textile Association (ITTA). The panel was comprised of experts from the field of the technical textile industry. They came up with new ideas which could be helpful to the technical Textiles industry.

Mr. Prashant M. Mangukia, Director, Yamuna Machine Works Pvt. Ltd. spoke upon manufacturing of finishing machines and their innovative features. He highlighted working of finishing machines at various technical textile manufacturing units involved in technical textile development.

Mr. Sanjay Sathe, Sr. Vice President & Head Product Management, Archroma India Pvt. Ltd. stressed upon the sustainable innovative solution to effluent problem faced by Technical Textile industry. He also spoke on safety and efficiency issue faced by industry and solution on using various novel products from Archroma.

Dignitaries Sitting in the Auditorium

Mr. Narendra Kajale, Vice President, Technology & Innovations, Texport Syndicate (Ind) Ltd. took up the point of textile industry dependency on fossile fuel. He also spoke on climate change, protection from heat using technical textile materials, energy storage issue and human safety aspects. He also elaborated performance simulation model of garment as smart technical textiles.

Mr. Birendranath Bandhopadhyay, President, Kusumgar Corporates Pvt. Ltd. talk about new product development in technical textiles safety jackets to be used in Indian defence force. He shared valuable information on technical textile viz. shape memory textiles, Sports textiles, parachute fabric and technical textiles based on recycled materials.

The panel discussions were followed up with very good questions from the participants which were replied by the panel members.

The seminar was a grand success and was attended by more than 225 delegates.

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Dyeauxil to exhibit at Dyechem World Exhibition in Tirupur in June

Dyeauxil, since 1975, has been offering a full range of Reactive, Direct, Vat, Pigment Powders, Pigment Emulsions, Acid Colours, Acid milling dyes, Acid Metal Complex Dyes, etc, enjoying a dominant position in the Indian and global market.

Headquartered in Mumbai, the company, a 100% export oriented unit, has its manufacturing base in Bhavnagar, Gujarat.

To see the various textile processing solutions on offer, visit Dyeauxil at Dyechem World Exhibition, from June 3-5, 2022, at Tirupur.

Dyechem World Exhibition brings you a host of textile coloring and processing solutions, under one roof.

The exhibition will run concurrent to the CEO Summit, which is a one-of-its-kind networking platform bringing together the who's who of the textile and apparel industry – manufacturers, brands, retailers, buyers. The CEO Summit is the place to be to learn about the latest international manufacturing, demand, compliance trends, helping the Indian industry better become the one-stop clothing supplier destination for the globe.

Indokem to showcase its latest solutions for the Textile Industry

Indokem has been the foremost name in textile dyes, chemicals, auxiliaries in India. Today Indokem along with its sister company, Refnol have become a force to reckon with in India's vast sizing chemical market, catering to major customers in India. The company has a strong focus on quality, R&D, sustainability.

Having established its footprint in the domestic market, the company is equally successful in international markets including China, Bangladesh, Myanmar, Japan, Sri Lanka, Pakistan, Middle East, Europe, Africa, America.

Indokem will be present at Dyechem World Exhibition, with its latest offerings for the textile industry.

The Indian textile dyes and chemicals industry has come out in support of Dyechem World, scheduled from June 3-5, 2022 in Tirupur. Dyechem World is jointly organised by Tirupur's NIFT-TEA College of Knitwear Fashion, AIC NIFT TEA Incubation Centre for Textiles and Apparels, Society of Dyers & Colourists, and Textile Excellence. The event will be held at IKF Complex, Tirupur.

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Meet AMA Herbals at Dyechem World Exhibition from June 3-5, 2022

Lucknow-based AMA Herbal Laboratories Pvt. Ltd. is one of the exhibitors at Dyechem World Exhibition, scheduled to be held from June 3-5, 2022, in Tirupur. AMA Herbal is the leading manufacturer and exporter of extract form of natural dyes for the textile industry and herbal products. "We rely on and encourage sustainable practices and spread our message to the whole community at large.

The world is gradually embracing sustainability to bloom nature's prosperity. AMA Herbal promotes a better life, better future, and healthy living of people today, tomorrow, and forever through its natural and herbal products," said Yawer Ali Shah, CEO, AMA Herbal.

AMA Herbal has a strong R&D programme that helps produce natural and ecofriendly textile dyes which are much in demand today. "We make them user-friendly and reasonably priced for the benefit of the people and humanity. Our in-house R&D is recognised by the Department of Scientific and Industrial Research (DSIR), part of the Ministry of Science & Technology," informed Shah. AMA Herbal products are exported to more than 36 countries across the world, including the USA, Europe and Asian countries, and are certified by reputed and well-accepted international agencies.

FCL confirms participation in DyeChem World Exhibition in Tirupur

Fineotex Chemical Limited has confirmed its participation in Dyechem World Exhibition in Tirupur, from June 3-5, 2022. The textile dyes and chemicals industry is expected to clock significant growth in the coming days, with rising investments in the textile and apparel industry. "Chemicals is avast industry, and specialty chemicals, in particular, are a niche segment that will be driven not only by increased domestic consumption but also by strong demand from international markets," said Aarti Jhunjhunwala, Executive Director of Fineotex Chemical Limited (FCL), a prominent player in the business that manufactures specialty chemicals and enzymes for an assortment of industries like textile and garment industry, water treatment industry, leather industry, construction industry, etc.

The company has a strong focus on sustainability. And has in place a number of certifications from well-known audit institutes such as Blue Sign, ISOs, OEKOTex, GOTS, etc.

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Visit SF Dyes At Dyechem World Exhibition from June 3-5, 2022 at Tirupur, India

SF Dyes, colouring India since 1954

SF Dyes will participate in Dyechem World Exhibition from June 3-5, 2022, at Tirupur.

The SF Group today, is considered as one of the reliable business houses in India serving the textile industry. SF Dyes pioneered the manufacturing of eco-friendly sulphur dyes in India at its multi-purpose dyes and chemicals facility in Karnataka.

SF has since then diversified its portfolio with several other ventures in the textile and chemical industry, from liquid indigo to sustainable yarns.

SF has identified three key pillars that will help drive sustainability throughout the organisation – Customer Attention, Innovation and Product Stewardship.

Visit SF Dyes at Dyechem World Exhibition. Dyechem World is jointly organised by Tirupur's NIFT-TEA College of Knitwear Fashion, AIC NIFT TEA Incubation Centre for Textiles and Apparels, Society of Dyers & Colourists, and Textile Excellence.

Colourtex India to participate in Dyechem World Exhibition from June 3-5, 2022 in Tirupur, India

Bookings for Dyechem World Exhibition are on in full swing

Colourtex India has confirmed participation in Dyechem World Exhibition to be held in Tirupur from June 3-5, 2022. Founded in 1967 by the present Chairman and Managing Director Jayantibhai Jariwala, Colourtex commenced dyestuff manufacturing in 1976 at Pandesara, an industrial suburb of Surat, Gujarat. Today, Colourtex manufacturing capabilities are unmatched in the Indian subcontinent.

Colourtex owes its strength to its sound infrastructure with surface water reservoir, co-generation coal-based turbine, dedicated land fill site and strong backward integration built over four decades.

With a strong marketing and distribution network backed by competent technical services located in all textile and leather centres around the country, Colourtex reaches out to more than two thousand potential customers to provide solutions for coloration of textiles and leather.

An uncompromising attitude of the Chairman and Board of Directors toward environmental and ecological priorities augurs well for future of Colourtex.

In 2017 Indian Chemical Council (ICC) – representative of International Council of Chemical Association (ICCA) conferred on Colourtex "Responsible Care" certification acknowledging its achievement in establishing systems for environmental and safety compliance in dyestuff manufacturing and use across the supply chain. This was also the year when the company completed 50 years of service to the textile and leather industry.

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TEXTILE EVENTS

Invitation: Techtextil / Texprocess / Heimtextil Summer Special 2022 International Press Conference

From 21 to 24 June, the trade fair duo Techtextil and Texprocess and, uniquely, the Heimtextil Summer Special will open their doors simultaneously, each presenting a broad global product spectrum and the latest trends in the fields of technical textiles, the textile processing industry and textile interiors.

We would like to give you details about the product range, innovative special topics and the synergies of the three trade fairs along the textile value chain, give you an understanding of the digital expansion of the technical textile fairs and at the same time focus on cross-fair future topics such as sustainability. We will be happy to answer your questions.

We cordially invite you to the joint international press conference of Techtextil. Texprocess and Heimtextil. Follow us via live stream on April 6, at 1 p.m. (CEST).

Speakers :

Detlef Braun, Member of the Executive Board of Directors, Messe Frankfurt

Olaf Schmidt, Vice President Textiles & Textile Technologies, Messe Frankfurt

Michael Jänecke, Director Techtextil, Texprocess, Messe Frankfurt

Live transmission :

Dirk Vantyghem, Director General, EURATEX - European Apparel and Textile Confederation

Elgar Straub, Geschäftsführer, VDMA e.V.

Moderation :

Ivonne Seifert, Director Marketing Communications, Textiles & Textile Technologies, Messe Frankfurt

The press conference will be held in English - with German translation. Duration: approx. 1 hour. If you are unable to attend yourself, please feel free to forward this invitation to interested colleagues.

To follow the livestream and ask questions of the speakers, please register in advance free of charge directly via this link.

For further information, please contact :
https://www.press-live.com/techtextil-texprocess-heimtextil-summer-special_2022_pc_060422_int ❐

Online Virtual B2B Sourcing Exhibition

Key features

International Yarn, Fabric, Trims & Accessories Manufacturers & Suppliers.

Focused on the entire Textile & Apparel Industry sectors of South Asia, South-East Asia & North Africa

Event Profile

CEMS-Global USA's International ''Yarn & Fabric Series of Exhibitions'' have reached its accession in popularity around the world with the steries of exhibitions being organized by CEMS-Global in Bangladesh, Brazil, Morocco and Sri Lanka. After extremely successful 2 editions of the "Global Sourcing Yarn & Fabric Show – Virtual Edition", CEMS Global in Association with GoSourcing present the "3rd Global Yarn & Fabric Sourcing Show 2022 - Virtual Edition", An International B2B virtual exhibition and meeting place where buyers and suppliers from around the world can connect with Live Chat, Call or Video Conference.

With all the travel cancellations and several International Textile Sourcing Trade Shows being cancelled, postponed or even if held, seen a huge absence of International manufacturers, buyers worldwide have perhaps chosen safe connecting methods like Online Virtual Exhibitions to fulfill their sourcing needs and connect with Worldwide Manufacturers through Digital Platforms.

Due to the current pandemic situation the world is moving more and more into the digital realm every day and through the "3rd Global Yarn & Fabric Sourcing Show 2022 - Virtual Edition", buyers can virtually connect & schedule meetings with Manufacturers or even initiate a Live Chat, Call, Video Conference. The Online Virtual Show will be promoted for visitors/ buyers in Bangladesh, Brazil, Egypt, Ethiopia, Ghana, India, Indonesia, Morocco, Myanmar, Pakistan, Peru, Sri Lanka, Kenya and Turkey.

With Whom Will Exhibitors Virtually Connect With?

The "3rd Global Yarn & Fabric Sourcing Show 2022 - Virtual Edition" will enable the Textile / Apparel Manufacturing Industry buyers of South Asia, South-East Asia & North Africa to virtually connect with Worldwide Yarn, Fabric, Trims and Accessories manufacturers face to face Online for excellent qualities and reasonable prices.

Owners of Textile Factories, Apparel Factories, Directors, Production Managers, Merchandising Managers, Procurement Managers, Importers, Buying Agent Offices and Sales Representatives, Clothing, Trims and Accessory Importers, Wholesalers, Trading Companies, etc from the

entire Textile & Apparel Industry sectors of South Asia, South-East Asia & North Africa will visit the Virtual Show and virtually connect with Worldwide Manufacturers & Suppliers for their Sourcing needs.

- With all Important Sourcing Trade shows postponed in potential markets, there is a huge vacuum generated in the Textile & Apparel Sourcing sector, and an Online International B2B Virtual Global Sourcing Show offering Live Chat, Call, Video Conference services between Buyers & Sellers is one of the best options for the Manufacturers & Buyers to See, Compare, and Virtually Connect with each other Live Face-to-Face just like a Regular Exhibition. Welcome to the future of Textile Sourcing!
- User-Friendly 3D Online Vitual Show Platform. The Virtual Platform is extremely easy to use with clearly specified menu-driven applications.
- Extend your brand presence, products and reach highly potential Textile & Apparel Industry sectors of Bangladesh, Brazil, Egypt, Ethiopia, Ghana, India, Indonesia, Morocco, Myanmar, Pakistan, Peru, Sri Lanka and Turkey.
- Generate significant & potential sales leads sitting right in your Office, wherever you are
- Meet and connect with potential buyers through live chat, audio or video call on a 3D Virtual platform
- Buyers can schedule & book an Online Virtual Meeting with you during the Online Show
- Showcase your latest product pictures, Company Catalogue, Videos in LIVE 3D to Online Buyers
- Get Comprehensive Contact Information of a Buyer who visits your Online Booth. You can even download the Buyer list with their detailed information.
- Reach newer markets Globally with just a Computer/ Laptop and increase your Exports.
- No logistics cost or Operational costs, No Air ticket or Hotel costs.
- With Global travel still moving very slowly, this is the perfect opportunity for the Manufacturers to adapt to the future of International business, boost Global presence and enhance their Export marketing with such a International Virtual B2B Online Sourcing Exhibition.

Profile of Exhibits

All Kinds of Cotton / Synthetic Woven & Knitted Fabrics, Denim, Natural Fabrics (Woven / Knit), Denim, Functional Fabrics, Dyed Fabric, Printed Fabric, Silk, Linen, Yarns, Fiber, Fancy Finishing, Home Textiles, CAD/ CAM & E-business. Coated Artificial Fur, Artificial Leather, Embroidery fabric, Greige Cloth.

Accessories: Hangers, Computers & Labeling Systems, Embroidery, Lace, Labels, Zipper, Button, Snap Fastener, Transfer Press, Shoulder Padding, Interlining, Weaving Ribbon, Support Services, Consultants, Related Trade Publications & Web portal.

Buyers can schedule meetings with Exhibitors

The Meeting Scheduler enables a Buyer to schedule a Live Chat, Audio Call or Video Conference Meeting with an Exhibitor. The Calendar Scheduler is very easy to use and once the Exhibitor accepts a Buyer's meeting, the Day/ Time is blocked for their meeting for both the Buyer and Exhibitor. A Buyer can then conveniently hold their discussion with the Exhibitor at the scheduled meeting time.

Easy-to-use for Exhibitors

All Exhibitors at any given time can edit or add their details to the Profile page. The following items can be uploaded to the Exhibitor's Profile page :

- Company Profile & Contact Details
- Catalogues in PDF
- Product Descriptions
- Company or Product Video
- Product Pictures
- Schedule Meetings, Live Chat, Audio Call & Video Call

User-friendly 3D online virtual show platform

The "3rd Global Yarn & Fabric Sourcing Show 2022 - Virtual Edition" platform has been developed keeping the user in mind. The Platform is extremely easy-to-use with clearly specified menu-driven applications.

The "3rd Global Yarn & Fabric Sourcing Show 2022 - Virtual Edition", buyers can virtually connect, schedule meetings and even initiate a Live Chat, Audio Call or a Video Conference with the Exhibitors at the click of a button. The Online Virtual Show will be promoted for visitors/ buyers in Bangladesh, Brazil, Egypt, Ethiopia, Ghana, India, Indonesia, Morocco, Myanmar, Pakistan, Peru, Sri Lanka and Turkey.

About CEMS-Global the Organizer

CEMS-Global USA, based in New York, is a professional Multinational Exhibition & Convention Organizer, having its operations across 4 continents. Established in 1992, CEMS-Global, in this span of 30 years has been committed to organizing Professional B2B Trade Shows for important Business sectors of the trade and economy.

In this span of 3 decades, CEMS-Global has partnered with several Business Associations, Chamber of Commerce's, Export Promotion Councils, International Trade Promotion organizations, Governments. Our successful 40 Trade shows per annum in highly potential and developing countries

of the world across 4 continents have benefited hundreds of thousands of Manufacturers, Several Industry sectors and boosted International Trade & Development in many countries.

As a company with Global presence and a wide-ranging proven track record, CEMS-Global USA also provides High-Value Management & Strategy Consultancy Services and lays its knowledge, its vast global experience at the disposal of the Client and assists Trade/ Business Associations and Enterprises improve work strategies, improve efficiency & performance or entering new markets, with our proven system to reach the goal. Great people make great partnerships!

With over 750 Trade Shows, 54,577+ Exhibitors, 1.65+ Million Attendees in our portfolio; we are devoted to take you where markets are…

For further information, please contact :
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Web : www.cemsonline.com ❐

In the wake of strong response ITMA 2023 unveiled the sector plan

On the back of strong response from textile machinery manufacturers, ITMA Services – organiser of ITMA 2023 – has unveiled the sector plan for the exhibition. Taking up almost 200,000 square metres of the Fiera Milano Rho venue, the plan spans 12 halls on the ground level.

The sector plan features all 20 chapters of the Index of Products, ranging from spinning to finishing, software, logistics, and fibres, yarns and fabrics. The two biggest sectors, finishing and spinning, anchor both ends of the exhibition.

To-date, ITMA 2023 has attracted 1,444 applicants from 42 countries who have booked over 114,230 square metres of net space. The new Start-Up Valley has also garnered keen interest. The closing date for application for start-ups is 30 June.

Ms Sylvia Phua, Project Director of ITMA 2023, said: "As 97% of the show has been booked, we would like to urge those who have not applied to exhibit to do so immediately as only limited space is available.

"ITMA is the most established and comprehensive showcase of textile and garment technologies and solutions. As many exhibitions had been cancelled in the last two years, exhibitors are eager to showcase their latest innovation, especially those in the sustainability and circularity space, to a global audience inperson."

ITMA 2023 will be held at Fiera Milano Rho, Milan, from 8 to 14 June 2023. More information can be found on www.itma.com. For participation enquiries, please email: application@itma.com.

About CEMATEX & ITMA

The European Committee of Textile Machinery Manufacturers (CEMATEX) comprises national textile machinery associations from Belgium, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland and the United Kingdom. It is the owner of ITMA and ITMA ASIA. Considered the 'Olympics' of textile machinery exhibitions, ITMA has a 71-year history of displaying the latest technology for every single work process of textile and garment making. It is held every four years in Europe.

About ITMA Services

Headquartered in Brussels with a subsidiary in Singapore, ITMA Services is the appointed organiser of ITMA 2023 and future ITMA branded exhibitions. It is managed by professionals with extensive experience in organising ITMA and other major trade exhibitions around the world. It aims to maintain and expand ITMA's unique selling proposition and relevance to a global audience.

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www.itma.com ❐

Integrated Expo on Fabric to Finish Solutions for Garment & Textile Manufacturing

GARTEX Texprocess India

12, 13, 14 May, 2022
Jio World Convention Centre, Bandra Kurla Complex, Mumbai
Incorporating
Denim Show

A zone that aims to bring together the denim supply chain under one roof.

Fabrics & Trims Show

A focused area showcasing fashion, fabrics, trims & accessories.

Screen Print India

International exhibition on screen, textile, digital & sublimation printing solutions.

About Gartex Texprocess India

Writing repetitive success stories since its inception, Gartex Texprocess India has emerged as

the country's most comprehensive trade show for garment and textile machinery, fabrics, accessories, and allied industry. Following an overwhelming response, the next edition will be organized in Mumbai. Gartex Texprocess India is part of the Texprocess portfolio of Messe Frankfurt having a history of delivering successful shows in Frankfurt, Atlanta, Addis Ababa, Buenos Aires, and India leveraging their national and global expertise in the sector. Besides a wide array of innovative products from the textile and garment sectors, the show also features a string of seminars and workshops facilitating a comprehensive show experience for all attendees and buyers. The highlight of the exhibition is the Denim Show — a much-hyped show on denim held concurrently with Gartex Texprocess, which has already marked its entry in the Delhi edition. Denim Show has been designed to stage innovations and trends as a versatile fabric.

Show Highlights

- The Fabric To Finish Sourcing Tradeshow
- Debut Edition of Denim Talks with SDC in Mumbai

Exhibit profile

- Garmenting and textile machinery
- Fabrics
- Embroidery
- Digitex – digital textile printing technology
- Screen printing
- Allied products and services
- Laundry/textile processing
- Automation and software/services
- Trims/embellishments and accessories

Visitor profile

- Apparel brands and labels
- Boutique owners
- Buying house/agent
- Design studios and institutes
- Distributors and agents of textile and garment machinery and accessories
- Dyeing and finishing companies
- Fashion designers and merchandisers
- Garment manufacturers
- Home furnishing companies
- Interior decorators/designers
- Knitwear manufacturers
- Laundry operators and dry cleaners
- Leather goods manufacturers
- Local and international retail chains
- Shoe manufacturers
- Textile manufacturers and designers
- Textile printing houses

Organisers

Messe Frankfurt Trade Fairs India Pvt. Ltd.

A subsidiary of Messe Frankfurt Exhibition GmbH, one fo the largest event organisers in the world. Messe Frankfurt Trade Fairs India Pvt Ltd has a background of colossal experience of the international exhibition and conference industry and expertise in trade-fair marketing. Operational for over 15 years in India. Messe Frankfurt holds a portfolio of 20 prestigious trade fair brands and over 35 conferences establishing itself as the country's most professional and leading trade fair and conference organiser.

With offices in Mumbai and Delhi, a dedicated workforce of over 100 serves the B2B markets of the Indian sub-continent across various genres such as automotive, automation, lighting, technology and production, textile, consumer goods, entertainment, media and creative industries and environment technology. Messe Frankfurt India also promotes Indian brands in countries across the globe through its International Sales Division, enabling its Indian customers to create a global presence through the Messe Frankfurt trade fair network worldwide. Its in-house stand construction division offers specialised stand-build and branding services to all Indian exhibitors participating in Messe Frankfurt shows internationally.

More than networking and sourcing arenas, events 'Made by Messe Frankfurt' in India are characterised by its knowledge platforms, through conferences, seminars, industry initiatives and CSR.

About the MEX Exhibitions Pvt Ltd

MEX Exhibitions Pvt Ltd is an international exhibition company with a strong presence of over four decades in the advertising industry, over 26 years in publishing & 19 years in exhibitions. The company has produced more than 10 market-leading trade exhibitions for various segments in addition to publishing various magazines & advertising trade directories of repute. Successful exhibitions are conducted all over India. Dubai, Singapore and Thailand.

For more details, visit our website at : www.mexexhibits.com.

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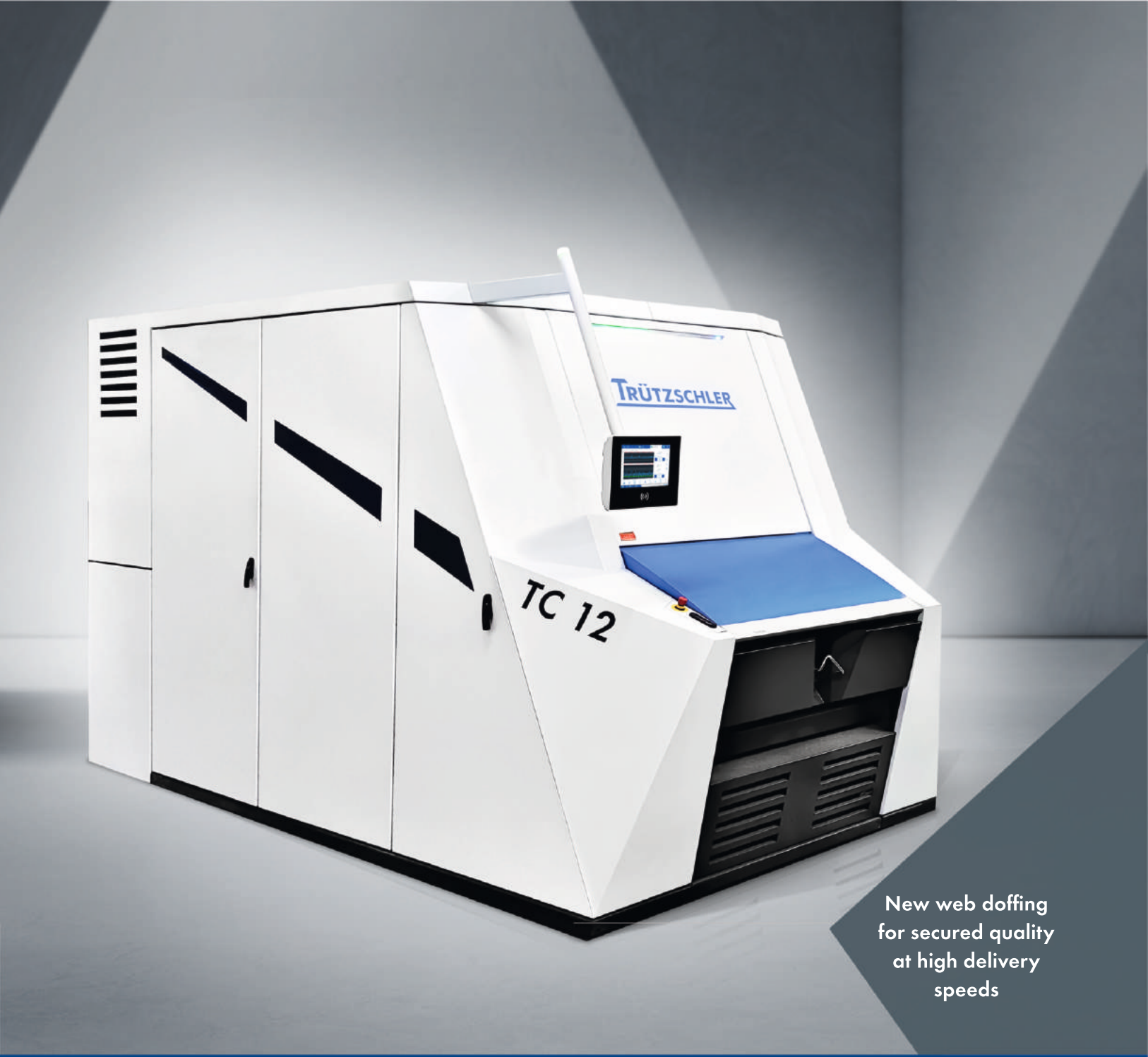

New web doffing for secured quality at high delivery speeds

New Benchmark in Carding: Trützschler **TC 12**

The **TC 12** achieves higher quality and productivity thanks to high-precision flat settings (PFS 40). WASTECONTROL enables good fibers savings of up to 2 %. The state-of-the-art SMART TOUCH and T-LED remote display provide easy and intuitive operation. The new coiling solution T-MOVE 2 and Jumbo Can achieve higher can filling of up to 50 %.

TRÜTZSCHLER
SPINNING

www.truetzschler.com

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8th - 13th December 2022

IEML, Greater Noida, India

Oerlikon

Oerlikon Nonwoven convinces at the FILTECH with a new hydro-charging solution

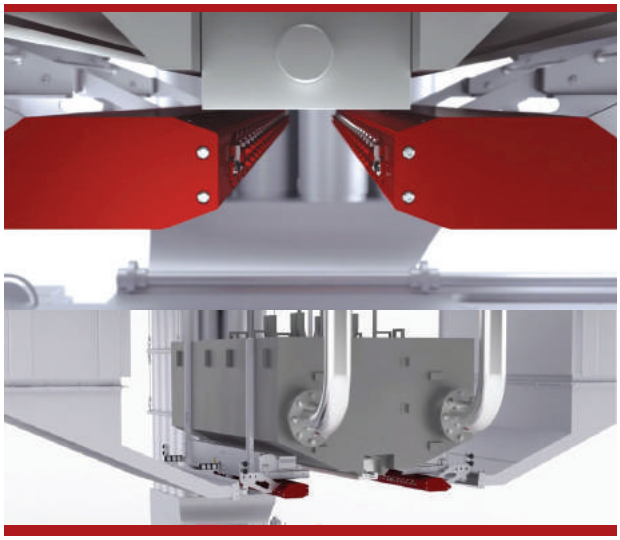
hycuTEC sets to upgrade standards in terms of quality and efficiency

The Neumünster-based systems builder Oerlikon Nonwoven premiered its new hycuTEC hydro-charging solution at this year's FILTECH in Cologne. This new technology for charging von nonwovens enables the filter efficiency to be increased to more than 99.99%. As a result, it offers meltblown producers considerable material savings with simultaneously improved filtration.

The hycuTEC is the market's first industrially-manufactured hydro-charging solution that can also be seamlessly integrated into the production process. And the innovative technology is also easily retrofitted to existing systems as a plug & produce component – a first within the market.

Filter media with a whole new level of quality

hycuTEC hydro-charging can reduce the pressure loss in typical FFP2 filter media to less than a quarter. Even filtration efficiencies of more than 99.99% are easily achieved in typical



The hycuTEC process easily achieves filtration efficiencies in excess of 99.99% in the case of typical filter media

filter media of 35 g/m² at 35 Pa. Tests at pilot customers manufacturing FFP2 face masks have confirmed quality increases due to the improved filtration with a simultaneous reduction in material usage of 30%. For end users, the consequence is noticeably improved comfort resulting from significantly reduced breathing resistance.

In addition to this, the hydro-charging unit also stands out in terms of sustainability: "The hycuTEC process excels as a future-proof technology due to its considerably lower water and energy consumption compared to other hydro-charging concepts. This unit allows an additional drying process to be dispensed with in many applications, which has a huge impact on energy consumption", comments Dr. Ingo Mählmann, Head of Sales & Marketing at Oerlikon Nonwoven. Incidentally, the hycuTEC unit can be easily and quickly installed and is simple to operate, set and service, while also being extremely user-friendly.

Technological quantum leap

Whereas classical hydro-charging processes charge the finished non-woven material, the hycuTEC concept is based on the all-round charging of each filament. Through controlled atomization, a charge is evenly transferred to the fibers from the water spray. And a special additive is used to permanently bond the charge to the surface of each fiber. The result: filter media with a uniformly stable charge over the entire cross-section and an effective fiber surface area about 10 times greater than that of surface-charged media. Integrating the new unit into a state-of-the-art Oerlikon Nonwoven meltblown system helps achieve a uniformly high product quality across the whole production process.

About Oerlikon

Oerlikon (SIX: OERL) is a global innovation powerhouse for surface engineering, polymer processing and additive manufacturing. Its solutions and comprehensive services, together with its advanced materials, improve and optimize the performance, function, design and sustainability of its customers' products and manufacturing processes in key industries. Oerlikon has been a technology pioneer for decades. All developments and activities have their origins in the passion for supporting customers in achieving their objectives and increasing sustainability. Headquartered in Pfäffikon, Switzerland, the group has two divisions: Surface Solutions and Polymer Processing Solutions. The group has a global footprint of more than 11,800 employees at 207 locations in 38 countries and generated sales of CHF 2.65 billion in 2021.

For further information: www.oerlikon.com

About the Oerlikon Polymer Processing Solutions division

With its Oerlikon Barmag, Oerlikon Neumag, Oerlikon Nonwoven and Oerlikon HRSflow brands, the Oerlikon Polymer Processing division focuses on manmade fibers plant engineering and flow control equipment solutions. Oerlikon 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. Furthermore, Oerlikon offers a range of a high-precision flow control solutions. This currently includes a large selection of gear metering pumps for the textile and other sectors such as automobile construction, the chemical industry and the dyes and lacquers industry. With Oerlikon HRSflow, the division develops innovative hot runner systems for the polymer processing industry. In collaboration with Oerlikon Balzers, it offers highly-efficient, effective coating solutions from a single source.

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 and other innovative polymer materials and applications. 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. Oerlikon HRSflow is, above all, active in the key automotive markets. These include Germany, China, Korea and Brazil. Worldwide, the division – with more than 4,500 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the research and development centers in Remscheid, Neumünster (both Germany), San Polo di Piave/Treviso (Italy) and Suzhou (China), highly-qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: www.oerlikon.com/polymer-processing

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Dilo Group

The most recent machine of Dilo Group to be promoted at IDEA 2022 in Miami, USA

Dilo is the leading equipment supplier of complete lines for staple fibre nonwoven fabric production.

The most recent machine concepts from DiloGroup companies DiloTemafa, DiloSpinnbau and DiloMachines will be promoted with the emphasis on new equipment components which improve product quality, increase line capacity and also enable new opportunities in nonwoven production.

Unifeed "VRS-P" and "VectorQuadroCard"

DiloTemafa will promote the improved bale opener series "Baltromix Pro" with design features for the operating assistance with the I4.0 components "Bale Timer", cleaning control, better accessibility for maintenance and the "DI-LOWATT" system for energy savings in fibre transport.

The proven carding willow with modified workers and separate drives to create the prerequisites for a good fine opening will also

be part of the presentation as well as the fine opening stage which may be installed over the material box of the new card feeder FRS-P to achieve a high dosing accuracy in cross and longitudinal direction.

ZIMMER AUSTRIA

Digital Printing Systems

Manufacturer of digital printing machines for carpet and textile printing

DiloSpinnbau has a new "Unifeed" card feeder (VRS-P) which combines the principle of volumetric charged feeding with the characteristics of a chute feeder but without the conventional overhead trunk which allows for lower ceiling height requirement. The fibre flock matt is condensed by a vacuum delivery apron to give better uniformity of mass distribution.

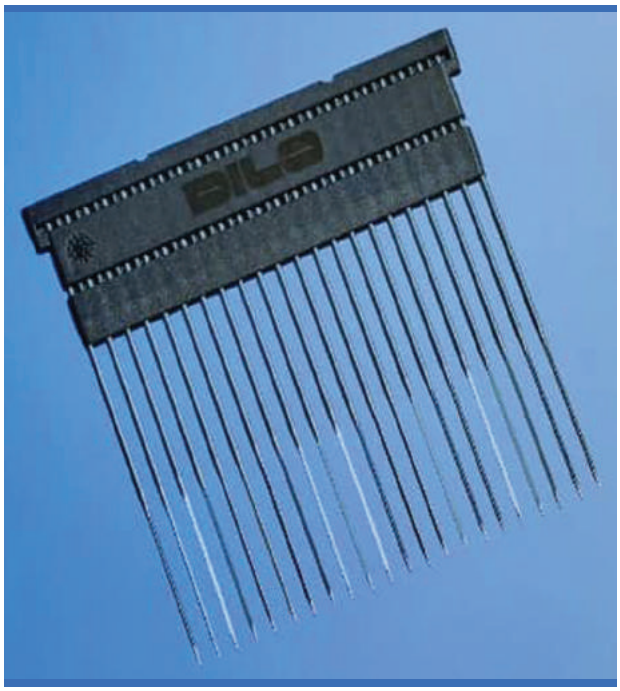
The distribution over the working width is controlled by additional flaps. This feeder can be adapted for medium/fine, coarse/medium or long-staple fibres.

The "VectorQuadroCard" by DiloSpinnbau incorporates a modular transfer group between breast and main section. The quick change facility of this roller group provides different carding options. The delivery system is also flexible to provide parallel laid, random or condensed web. The pre opener section on this card has 4 worker/stripper pairs with five pairs on the main cylinder. Emphasis is on high throughput with good web quality.

The revised HyperLayer NT offered by DiloMachines presents the latest state-of-the-art highspeed precision layering technique setting new standards which play an important role especially in hydroentanglement lines.

In this application, it is important to achieve layering speeds up to 190 m/minute using sophisticated viscose fibres and a layering width of about 4 m while at the same time having a high layering precision in cross and longitudinal direction.

DiloMachines will also present its portfolio to improve quality and reduce costs. The FutureLine study "3D-Lofter" – first presented at ITMA 2019 in Barcelona – is part of this programme. In this study individual web forming units can deposit fibre masses on freely programmable spots in longitudinal and cross direction thus saving overall fibre mass in applications such as deep moulded parts for the automotive interior.



Needle Module

This ability reduces costs in production and operation. The "IsoFeed" concept for a more even flock mat for direct cards and aerodynamic web forming is another interesting field of web mat quality improvement.

The high stitch distribution uniformity achieved by the new needle patterns "8000X" and "6000X" is able to further improve surface quality.

"Smart industry" which offers more transparency and control of the production process and the operating conditions realized with the aid of software, internet and cloud is another tool to make production more efficient.

Developments underway relating to the needling process include "Needle Module Technology" whereby needles are pre-mounted in multiple units of 22 for insertion into very high-density boards. It is reducing visible marking patterns on the product surface significantly. Furthermore, it enables a simplified needle insertion and shorter setup time.

For further information, please contact :
DiloGroup
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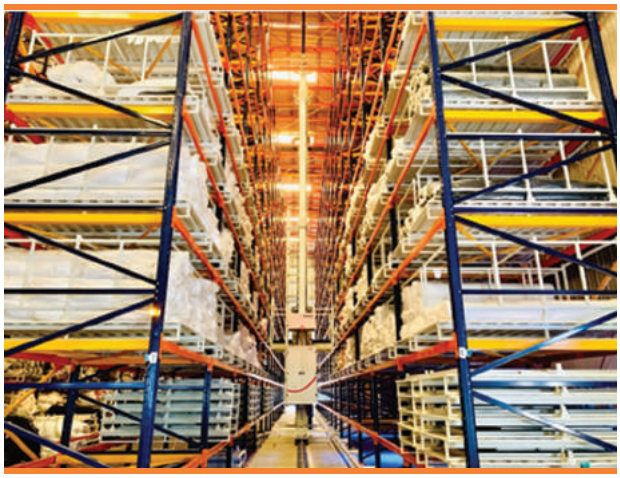
A.T.E. Enterprises Private Limited

An article on Automation solutions for fabric storage and handling – from Sieger Spintech

Automatic Storage and Retrieval Systems (ASRS) can play a vital role in improving material flow and increasing production performance in any textile factory, be it for weaving, knitting, processing or garmenting. An optimum material handling system reduces the material transportation time, and ensures that the required materials are transferred to the point of use safely, without any error or damage. In a sewing department, for instance, a material handling system may be customised based on the line layout, better ensuring smooth movement of fabric rolls from one workstation to another, or for storing or cutting.



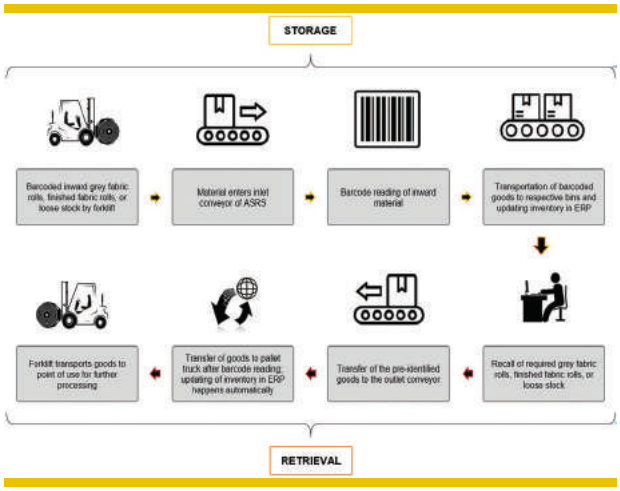
Sieger's ASRS (Automatic Storage and Retrieval System) is designed to automatically store and retrieve grey and finished textile goods in various forms such as rolls, bundles etc. Storage and retrieval is quick and based on the demands of production.

As a market leader with 25 years of expertise in the manufacturing of textile machinery, Sieger leverages its strong R&D and world-class manufacturing set-up to provide the latest

automation solutions for fabric storage and handling.

Sieger's ASRS can alleviate many pressing issues faced by textile mills. For example, the Sieger ASRS can

1. Reduce operations bottlenecks by:
   a. Mitigating operating space constraints
   b. Providing timely service to the garment division for emergency orders
   c. Reducing the need for other material handling equipment
2. Overcoming labour scarcity by:
   a. Reducing labour requirement
   b. Also reducing the need for a highly skilled work force
3. Help with inventory control by:
   a. Distributing material as per age, to reduce aging stock
   b. Overcoming the difficulty of locating the necessary material or identifying the right fabric roll for the right job
   c. Eliminating an unknown stock situation and lack of inventory control



4. Improve quality
   a. Always supplying fabric with the right specification
   b. Managing complications in handling multiple samples in multiple standards for multiple buyers
   c. Reducing staining and/or wastage of processed fabric
5. Enhance productivity by
   a. Reducing idle time in garment line for want of ready-to-stitch fabric
   b. On-time supply of grey material for preparation and dyeing

Material flow with ASRS

Storage

1. Bring in barcoded grey fabric rolls, finished fabric rolls, or loose stock by pallet truck
2. Feed material into the inlet conveyor of ASRS
3. Barcode reading of inward material
4. Transportation of barcoded goods to respective bins and updating inventory in ERP

Retrieval

1. Recall of required grey fabric rolls, finished fabric rolls, or loose stock
2. Transfer of the pre-identified goods to the outlet conveyor
3. Transfer of goods to pallet truck after barcode reading; updating of inventory in ERP happens automatically

4. Forklift transports goods to point of use for further processing

Features of ASRS

- Live warehouse efficiency monitoring
- Laser guided movement for accuracy and obstruction detection
- 750 kg capacity fork
- Barcoded pallets, which are directly linked to ERP
- Hydraulic buffers for additional safety
- The warehouse management system (WMS) offered by SIEGER along with the ASRS enables complete material inventory control. This translates into direct savings in manpower while increasing efficiency in material retrieval and identification

Modules offered

- Conveyors: chain/overhead/roller
- Stretch wrapping
- Turn tables
- Single and double deep ASRS
- Radio shuttle retrieval systems
- Racking systems
- Storage pallets

Sieger's ASRS is used in conjunction with the following for storage and handling in weaving, knitting, processing, and garments:

- Pallets to store fabric rolls
- Fabric buffer storage system

Pallets to store fabric rolls

Fabric rolls are stored in a pre-fabricated steel structure known as pallets so that they may be handled effectively. These pallets are custom designed as per customers' requirements based on the volume and size, which enables the transfer of the fabric rolls without any damage to the fabric.

Fabric buffer storage system

Sieger's fabric buffer storage helps make production processes fast and smooth. Buffer storage areas or systems are used to temporarily store items that will soon be needed for production or orders.

If there is a shortage of material coming from the warehouse, production processes can slow down and that can be very costly. However, buffer storage solves this problem by quickly supplying fabric rolls to the cutting lines or order processing areas to prevent delays that might occur if fabric had to be transported from a further-away warehouse. Fabrics can be transferred automatically from the storage section to the cutting section without any manual intervention. Sieger's fabric roll buffer storage system is an ideal choice for ensuring hassle-free delivery of fabric rolls to the access point in a few seconds. It has up to 60% more storage capacity, when compared with conventional storing systems. This means that the space can be utilised effectively for goods and products needed for the production process.

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BB Engineering GmbH

Polyester recycling

BB Engineering GmbH records order intake from Thai Polyester for four VacuFil recycling systems

BB Engineering GmbH (Germany), a subsidiary of Oerlikon Textile, is pleased to announce that Thai Polyester Co., Ltd (Thailand) has placed a major order for four VacuFil systems for recycling bottle flakes with connected direct spinning. The polyester manufacturer, established in 2001 and with an overall annual capacity of 316,800 tons, is one of Thailand's leading producers and exclusively uses German technology. To this end, the company already operates Oerlikon Barmag and Oerlikon Neumag systems. The BB Engineering VacuFil systems will be deployed to convert existing spinning plant equipment from processing polyester to processing PET bottle flakes without loss of performance.

BB Engineering supplies the complete recycling process – from the drying stage and extrusion, all the way through to the spinning plant-appropriate fine filtration stage. Thanks to decades

of experience in spinning plant technology, the German machine constructor also provides comprehensive spinning plant know-how and is aware of how the recycling process must be designed to ensure that the product manufactured using the spinning plant ultimately has the right quality. The four new VacuFil systems will be integrated into the existing building infrastructure and process landscape at Thai Polyester, with a total output of approx. 4,000 kg/h. The Vacu-Fil systems will be complemented by BB Engineering 3DD mixers for directly feeding dyes into the recycled melt flow. Commissioning has been scheduled for 2023.

Thai Polyester will be using the new VacuFil systems to manufacture its 'EcoTPC' recycling-brand yarns. 100% of these polyester yarns are produced from bottle, fiber and yarn waste and are all GRS certified.

About BB Engineering GmbH

BB Engineering GmbH is a German machine building company founded in 1997 as a joint venture between Oerlikon Barmag, a subsidiary of Oerlikon Textile GmbH & Co. KG, and Brückner Group GmbH. Today, the company employs more than 160 members of staff at its location in Remscheid, Germany, focus-ing their business on the development, engineering, design and manufacturing of extrusion and filtration technologies as well as complete spinning lines (VarioFil) and recycling technologies (VacuFil, Visco+) for the plastics and textiles industry. The ser-vices offered range from the design and planning phases all the way through to the implementation of projects.

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Marzoli India

Market Information

Goods exports up 33% from pre-pandemic levels: Piyush Goyal

India's goods exports grew 43.2% in 2021-22 to nearly 418 billion dollars, rising over $125 billion over the COVID-hit year 2020-21, with March recording the highest ever outbound shipments worth $40.38 billion, the Commerce and Industry Ministry said on Sunday.

The record exports in the year gone by constituted a 33.33% surge over the pre-pandemic levels of 2019-20. Commerce and Industry Minister Piyush Goyal said total exports were about 5% higher than the $400 billion targets for the year, which had been crossed by March 21.

For setting the export target for this year, Mr Goyal said export promotion councils will work out sectoral possibilities and Indian missions abroad will evaluate prospects in different importing nations, which will then be translated into an 'ambitious target'.

(To read more please visit: https://www.thehindu.com/ April 03, 2022)

India-Australia Economic Cooperation and Trade Agreement signed

India and Australia last week signed an Economic Cooperation and Trade Agreement (IndAus ECTA) that is expected to offer zero-duty access to 96 per cent of India's exports to Australia, including shipments from important sectors like textiles, apparel, leather, and engineering goods. India estimates the pact to boost bilateral trade in goods and services to $45-50 billion over five years.

Zero-duty access for Indian goods is set to be expanded to 100 per cent over five years under the agreement, which is expected to generate over a million jobs in India, as per an Indian government estimate.

The agreement was signed by commerce and industry minister Piyush Goyal and Australia's minister for trade, tourism and investment Dan Tehan in a virtual ceremony witnessed by Prime Ministers Narendra Modi and Scott Morrison.

(To read more please visit – https://www.fibre2fashion.com/ April 04, 2022)

Marzoli Innovations

Marzoli exhibited 19 Patented Innovations in ITMA 2019 which involves 140,800 manhours in R & D and 4500 new drawings.

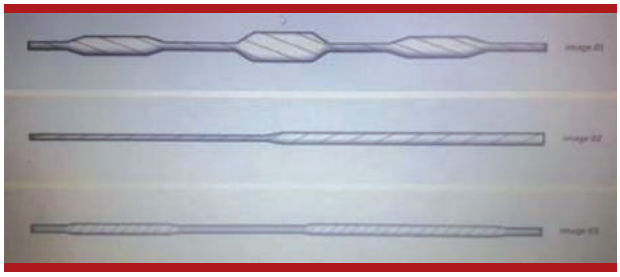
Marzoli Super Slub (MSS)

Marzoli was the first manufacturer to introduce a fully integrated fancy yarn device on its spinning frames. The close cooperation between Marzoli and some of its customers and advanced & patented engineering design has produced the most advanced technology to produce fancy yarns, Marzoli MSS - Marzoli Super Slub.

The MSS is Marzoli leading technology designed to obtain the highest performance on quality and speed in the production of slub yarn. It is the combination of a patented drafting system drive, installed on Marzoli MDS2, the purposely designed software with independently settable and special acceleration & deceleration ramps with high-performance electronics.

The cinematic scheme of Marzoli MSS, motor–epicyclic gearbox – timing belts – bottom rollers, allows reducing the inertia of all the rotating parts after the gearbox around 1000 times. This technology enables customers to have no limitation in the shape of the slub and has full control over the acceleration and deceleration of the drafting rollers at high production speed. The below images show the difference between conventional systems and Marzoli MSS.

There are four basic types of fancy yarn: slub, multicount, multi-twist, and reverse slub. Marzoli MSS can produce any of the basic effects and any possible combination for an unlimited range of designs.



The slub effect

With Marzoli MSS, creating a slub is as simple as setting its length in mm, its thickness (multiplier) as a percentage of the base yarn, and its pause (distance between one slub and the next one) in mm. Usually, slubs have lengths between 30 and 100 mm, but in some cases, slubs are even shorter to produce an effect called "malfile", i.e. small and frequent slubs that create an effect of natural irregularity. Through Marzoli MSS, it is possible to produce slubs shorter than 20 mm without compromising yarn quality and strength.

SCIENCE IN INDUSTRY

The multi-count effects

The multi-count effect is obtained through prolonged variations of the main draft. The result is a yarn that has different counts but a constant twist.

The multi-twist effects

The multi-twist effect does not entail count variations in the yarn; it only entails twist variations. The twist differential changes the yarn diameter, and this creates attractive colour shades in the yarn and consequently, on the fabric.

Multicount & Multitwist combination

Usually, the multicount and the multi-twist effects are used together as their combination entails very interesting effects on the fabric.

The reverse slub effect

Reverse slub is obtained through continuous variations of the main draft that, unlike the slub effect, are negative and reduce the yarn thickness.

Features of Marzoli integrated application :

- Fully integrated system
- User-friendly and simple HMI, with values in mm and percentage

- Motors acceleration and deceleration ramps up to 10 m/s, with sinusoidal shapes to produce yarn without weak points

- Automatic visualization of the graph related to the slub recipe under production to check the right execution
- Automatic control of the slubs features during editing with a warning in case of not workable parameters
- Slub formation without changing the front roller speed, for a perfect distribution of the twist on the yarn
- Up to 500 lines for 500 different slubs in a single recipe
- Automatic generation of the recipes by inserting only the minimum and maximum values for each parameter
- Up to 10,000 different recipes saved in the machine
- Connection to YarNet for the editing of slub recipes on a remote PC

"Draw your slub" (option): possibility to draw the shape of the slub on the panel.

No Thin or Weak points :

One of the main challenges in the production of fancy yarns is to avoid the formation of thin and weak points at the end of the slub. Thin and weak points enhance the number of yarn breakages during weaving operations and thus increase the number of defects on the fabric and reduce the efficiency of the machines. With Marzoli MSS, thin and weak points are avoided. Acceleration and deceleration ramps are settable independently.

Draw your slub option :

The patented system to edit fancy yarn recipes, the slub is drawn by a dedicated editor. The editor is very simple to use- by making a double click on the panel, the operator creates single points that are then connected with lines. The line shows the trend of the multiplier, i.e., the diameter of the slub as a function of the length of the slub. Once the editing is over, the operator gives an identification number to the slub. Then, the operator recalls the identification number in the slub table and inserts the length and the pause of the slub.

This system gives spinners enormous advantages:

The most important one is that all kinds of slub drawings and shapes are achievable. In traditional systems (competitors) the slub can only have one constant diameter according to the set multiplier, while with the Marzoli system the diameter may vary infinite times on every single slub. Moreover, in traditional systems the acceleration and deceleration ramps, that influence the visual effect of the yarn, are presetted. With Marzoli system acceleration and deceleration, ramps are completely settable, also for every single slub.

Key points

- Up to 37 slub/meter – multiplier 2.5 – 16.5m/min – 610 slub/minute
- Low inertia drafting system drive
- Full control of acceleration and deceleration of the drafting rollers at high speed
- Integrated fancy yarn device
- Patented engineering design
- Any fancy yarn effect and all their possible combinations
- Higher production speed, up to 20% more
- Easy maintenance

Technical updates

Doffer –

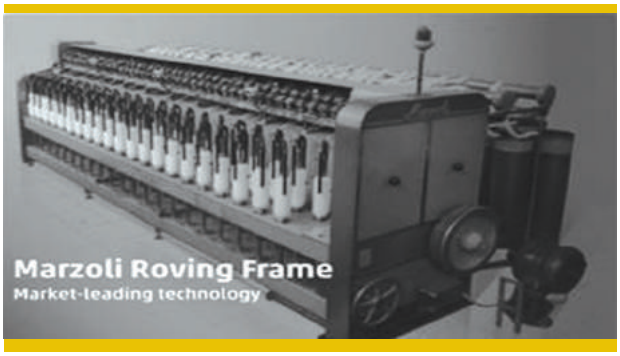
- Marzoli roving Autodoffer is the best doffer available in the world.
- Reliable doffing in less than 3 minutes which helps in higher productivity.
- 0-1 start-up breakages after doffing in Marzoli roving frames as compared to 3-4 start-up breakages in competition machine helps customer to have higher productivity and efficiency which can equal to amount of Rs. 2,35,000 per annum in terms of the additional spindle to be added for higher productivity.

Marzoli, an Italian company with a long history dating from 1851, is today a leading exponent in the supply of spinning machinery. One of the leading manufacturers in Europe of a complete line of machines.

Marzoli developed the first roving Frame in 1940, which was Market-leading Technology at Global Level.

In 1999 Marzoli Spa is acquired by the Camozzi family. Under the guidance of the Camozzi Group.

The addition of a Digital division within the Group has also made access to digital skills and the potential offered by Industry 4.0 possible. YARNET: One software for the entire spinning line, easy & immediate monitoring of every machine, Recipes editing & uploading and Power management function. DRM: Continuous monitoring of critical parameters, Immediate warning in case of deviations from standards and Predictive maintenance.



The new headquarter in Coimbatore, Tamil Nadu, located in an area of over 10,000 sqm of working space and equipped with the latest technologies, will allow Marzoli to efficiently serve its customers.

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Agma Products

A House of R& D in spinning

Half Lea Roving CSP

Roving TM is playing an important role in yarn quality and Ring frame performance. Roving TM Should not be too high or too low.

When we visited more than 200 mills in all over India for Installation of our AGMA Cradles, we struggled much in many mills to bring R/F performance to normal (existing level) because of too high or too low Roving TM, due to different makes of speed frames and different theories in keeping Roving TM.

We had seen Roving TM from 1.16 to 1.55 in 100% cotton, carded or combed for the counts range -20s to 60s.

Then we decided to find some system for fixing Roving TM suitable for all cradles, such that

1) Roving m/c production should not be affected.
2) Roving should not create any creel draft or breaks.
3) Top rolls and aprons should not worn out quickly.(Groove formation).
4) To produce good quality yarn with less IPI & Classimat Faults with the spinning parameters of
   a) Bottom Roller setting - 42.5/60 mm or 44/60 mm &
   b) Break draft - 1.136
5) To maintain R/F Performance.
6) For winding m/c performance also.

Practically, to maintain yarn CSP in spinning, we used to adjust spinning TPI according to fiber quality parameters.

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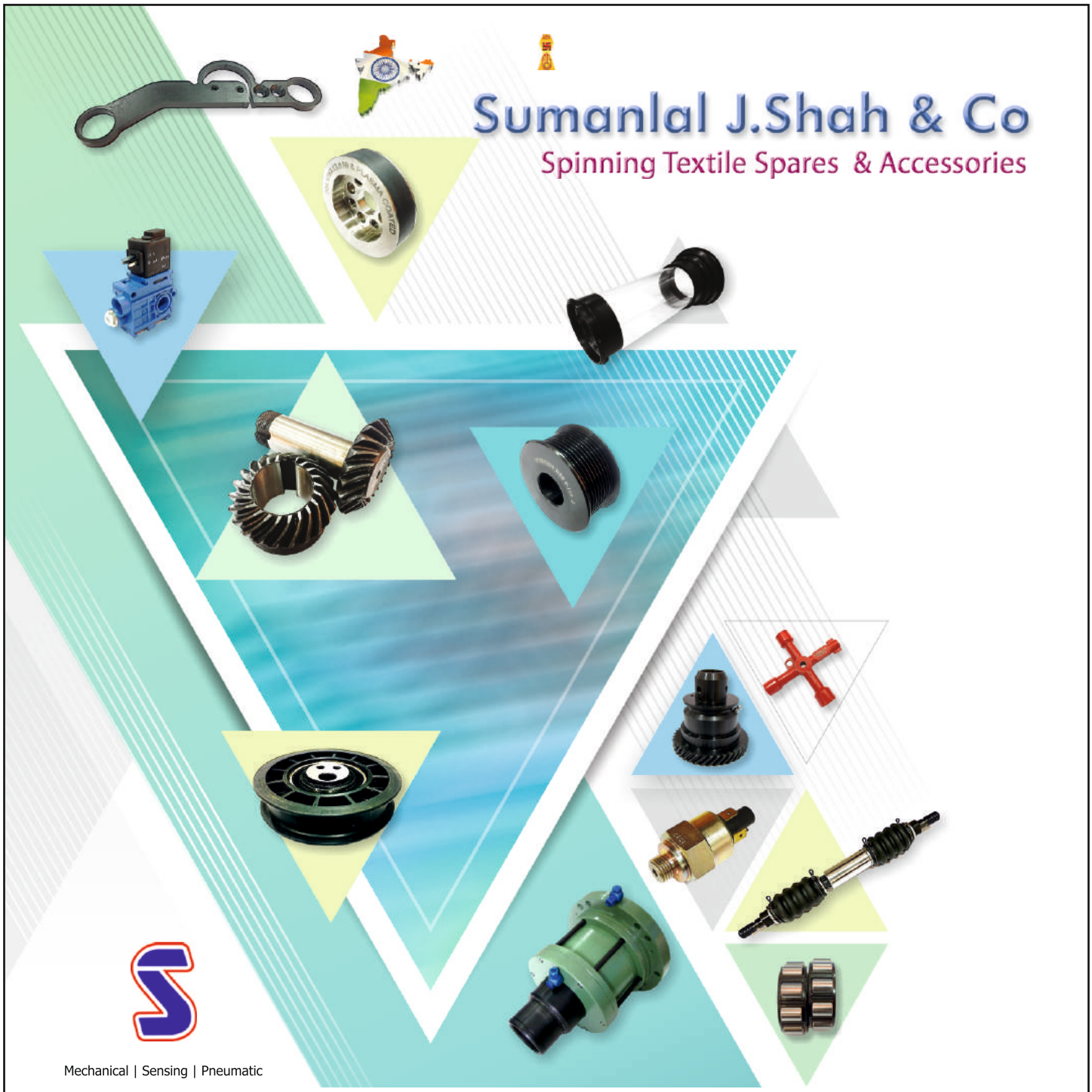

Sumanlal J. Shah & Co., is a highly renowned supplier & exporter of textile machinery replacement spare parts. The company is well established as an apex body in the community of textile engineers. Sumanlal J. Shah & Co., is driven by quality... determined to offer quality products, coupled with premium services. Our motto is to be a reliable supplier of competitively priced spare parts of excellent quality. With the changes in the Textile and Machinery Technologies at the global level the company has its products upgraded to cater the over all demand for quality replacement spare parts.

Sumanlal J. Shah & Co., is one of the stellar, exporters and service providers catering to the entire requirements of the textile industry. Our products and services solve multifarious purposes of our customers engaged in textile industry its quality spares are used by clients in the textile manufacturing and machine production. Thus it has carved a niche for itself in the market. Sumanlal J Shah & Co., renders services and manufacture spares that are exclusively used by clients dealing in textile manufacturing and machine production. Envisioned in the year 1945, Sumanlal J Shah & Co. has created a strong hold for itself in the textile industry. The company caters to the requirements of industry for quality spare parts and maintenance services.

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By applying same method, we have arrived Half Lea Roving CSP method (after long studies) to maintain CSP range (25- 30) for all mixings (whatever fiber quality, Fiber length, micronaire, SFC and strength). This method can be applied for all makes & gauges of cradle.

PROCEDURE FOR CHECKING HALF LEA ROVING CSP

1) Take 5 nos of roving bobbins (Bobbin Size - ¼ to ½ size) and remove outside one layer of roving bobbin, before making Half Lea.
2) Make 1/2 lea (40 rounds – 60 yds) from each bobbin by using wrapping reel m/c.You may operate wrapping reel m/c electrically or by hand with constant speed.
3) Check Hank of roving, then, check 1/2 lea roving strength in lbs in lea strength m/c.
4) To get CSP, multiply Avg Hank with Avg strength in lbs.

If, 1/2 lea roving CSP is in the range of 25 to 30, it will be better for quality improvement and performance in Ring frame with bottom roll setting 42.5/60 mm in P3-1 Top Arm 42.0 or 42.5 or 44/60 mm in SKF and TEXPART top arms and with break draft of 1.136 for any makes of cradle.

- If roving CSP is more than 30, which leads to
  a) Undraft in spg
  b) Long thick place in yarn
  c) Aprons & cots worn out quickly
  d) Lifting Top Arm to reduce undraft &
  e) Fibre ruptures in spinning drafting.
- If roving CSP is less than 25, which leads to
  a) more end breakages in spg
  b) IPI will be more
  c) more Long thin in yarn &
  d) Yarn CSP also will be less.

Please maintain 1/2 lea roving CSP in the range of 25 to 30, by adjusting Roving TPI, for any mixing (Whatever may be fiber length, micronair and SFC) of 100% Cotton (carded or Combed) & P/C.

We have applied this system in our customer mills for the past 3 years which is running successfully in more than 75% of our customer, where we applied.

Nowadays, Mill Technicians are checking Half Lea Roving CSP once in 2 days and whenever lot change in mixing and maintaining CSP Range to maintain yarn quality, R/F performance and yarn CSP.

This range (25-30) is recommended upto count 60's and may be modified by Mill technician suitable for their machine & humidification condition and other reason for achieving good quality of yarn and machinery performance.

If you fix one range that should be maintained daily, for all mixing, by adjusting Roving TPI, if Half Lea Roving CSP goes out of range.

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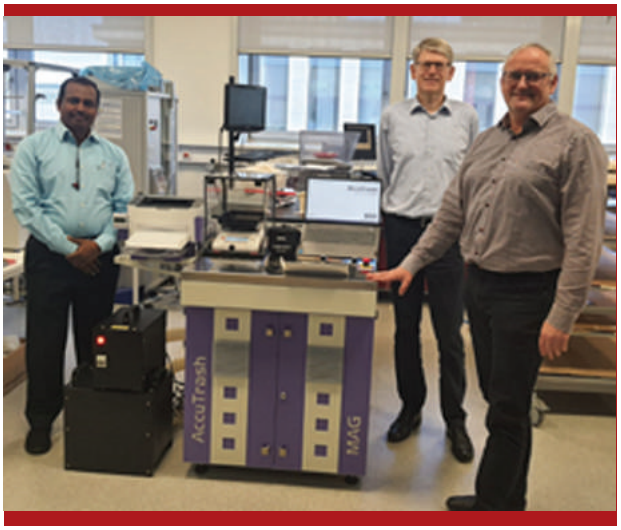
MAG Solvics Private Limited

MAG installed AccuTrashin Bremen Institute

MAG has supplied and installed recently its fully automatic cotton trash testing instrument "AccuTrash"at Bremen Institute, Germany for the ICA Bremen, The Global Centre for Cotton Testing & Research and Bremen Cotton Exchange (BCE).

International Cotton Association (ICA), Bremen in association with Bremen Cotton Exchange (BCE) and Bremen Fibre Institute has set up center of excellence for the following related to cotton testing worldwide.



- International Laboratory Certification
- Round Trials
- Cotton Grade Standards
- Research and Development on Cotton& Testing
- Quality Expert Certification
- Cotton Quality Information & Consultancy

The institute will utilize our AccuTrash – Fully automatic trash separator not only for their research purpose related to test the real trash content in cotton, but also for testing samples received from their clients.Hence it is the recognition for MAG and AccuTrash in cotton fibre testing field worldwide.

The features of AccuTrash are as follows,

- Provision to test Trash, Lint, Dust & Micro dust separately.
- Automatic weighing of Trash for Accurate results.
- Sample size up to 100 grams.
- Windows based user friendly software for reports.
- Provision to connect with MAG High Volume FibreTesting.

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Trützschler Group SE

Trützschler is keen on achieving set and ambitious targets for climate neutrality

Trützschler is taking action! We are now striving to achieve three specific and measurable targets that will support our impact on the biggest challenge our planet has ever faced.

Our commitment

For over 130 years, Trützschler has provided resource-efficient technologies for customers worldwide. As a family-owned company, we've always placed a strong focus on ensuring sustainability for future generations. Today, that focus is sharper than ever – because our planet's precious climate is changing. In response, Trützschler is taking decisive action to further minimize our environmental impact and maximize our contribution to sustainability. Our actions are focused around three specific targets for cutting emissions :

1) Reduction of CO2 emissions by 50 % at our headquarters in Mönchengladbach, Germany, by 2025
2) Climate-neutrality* at all Trützschler locations in Germany by 2030
3) Climate-neutrality* at all Trützschler locations worldwide by 2035

By pursuing these ambitious targets, we are going to transform our business. Trützschler's global teams are now stepping up efforts to accelerate innovative energy management approaches, our shift to renewable power and more sustainable logistics processes. "The shareholders of the Trützschler Group SE set these goals for climate neutrality as part of our commitment to protecting the planet and secure the long-term success of our company", says Charlotte Fontaine, Deputy Chief Spokesperson for the Hans Trützschler family. Florian Schürenkrämer, Deputy Chief Spokesperson for the Hermann Trützschler family, adds: "That commitment has been a central part of our identity for more than 130 years – and we, the fifth generation of shareholders, are excited about taking the next steps forward in this long tradition."

Florian Schürenkrämer, Deputy Chief Spokesperson for the Hermann Trützschler family (left), and Charlotte Fontaine, Deputy Chief Spokesperson for the Hans Trützschler family (right)

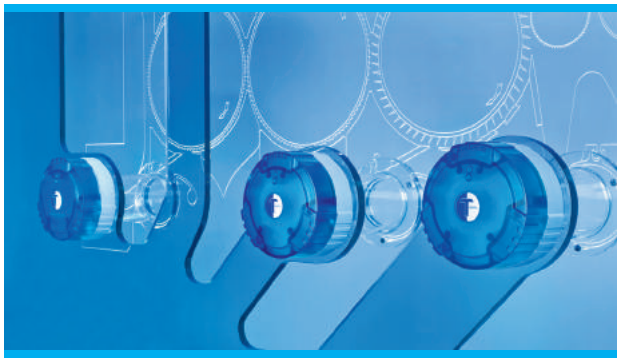
Our contribution

How are we going to achieve our sustainability targets? With our technologies, our processes and our people! Trützschler's technologies save resources, cut waste and reduce emissions for customers worldwide. Our own production processes are shaped by our passion for energy savings and resource-efficiency. And our people and partners actively promote a safer and more sustainable future. Together, these three factors will contribute to tangible results in our

commitment to promoting environmental and social progress.

Our technologies

Innovations from Trützschler support the textile industry in becoming more sustainable. Our WASTECONTROL system, for example, features sensors that help to make sure every fiber is used. Specially designed machines and equipment from Trützschler also support the transition to a circular economy by making it possible to produce yarn by recycling old material, production waste, or even plastic bottles. And our Wet-laid/Spunlace technologies support the production of fully biodegradable wet wipes that are made from pulp and cellulose.



Our WASTECONTROL technology for optimal raw material utilization

Our processes

Our production facilities are designed to maximize sustainability, and we constantly seek ways to further reduce energy consumption and boost resource efficiency. We go beyond regulatory expectations, and proactively integrate environmental considerations into every aspect of our business. This involves using renewable energy from sources like solar panels, wind turbines and hydropower. We also operate a continuous improvement approach to cut waste in our value chain. We are investing in climate-friendly logistics processes such as our fleet of low-emissions company cars. All Trützschler sites are certified in line with the ISO 50001 standard for energy management, and we are a partner of the Blue Competence sustainability initiative from the Mechanical Engineering Industry Association (VDMA).

Our employees

As a family-owned company, our business is shaped by a firm belief in the importance of creating a sustainable future for generations to come. Health and safety are our top priority at all times. We provide a working environment with flat hierarchies and fast decision-making – where strong values define our leadership approach. And we empower our people to learn and grow throughout their career via targeted programs for training and development.

Our production processes are transformed to minimize our environmental impact

Making a measurable impact

Our company has a strong passion for sustainability, and we are relentless in our efforts to turn that passion into progress. Our three new targets provide a clear and measurable indication of our performance.

Vist website of Trützschler Group SE for more information :

Our targets - Trutzschler (truetzschler de)

Our contribution - Trützschler (truetzschler.de)

Sustainable technologies - Trützschler (truetzschler.de)

Sutainable production processes - Trützschler (truetzschler.de)

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About Trützschler

The Trützschler Group SE is a German textile machinery manufacturer headquartered in Mönchengladbach, Germany. The company is divided into four business units: Spinning, Nonwovens, ManMade Fibers, and Card Clothing. Trützschler machines, installations and accessories are produced and developed in ten locations worldwide. This includes four factories in Germany (Dülmen, Egelsbach, Mönchengladbach, Neubulach), as well as sites in China (Jiaxing and Shanghai), India (Ahmedabad), the USA (Charlotte), Brazil (Curitiba) and Switzerland (Winterthur). Service companies in Turkey, Mexico, Uzbekistan and Vietnam and service centers in Pakistan, Bangladesh and Indonesia provide customer proximity in key regions for the textile processing industry. For more information visit: www.truetzschler.com.

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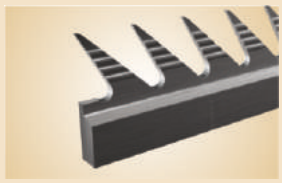
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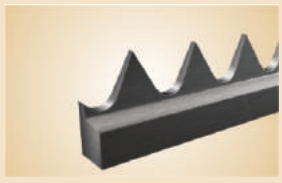
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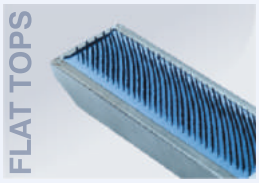

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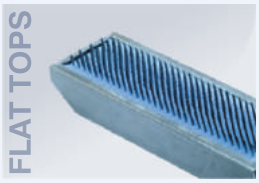

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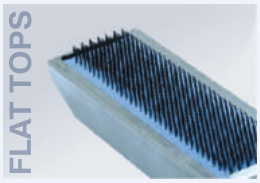

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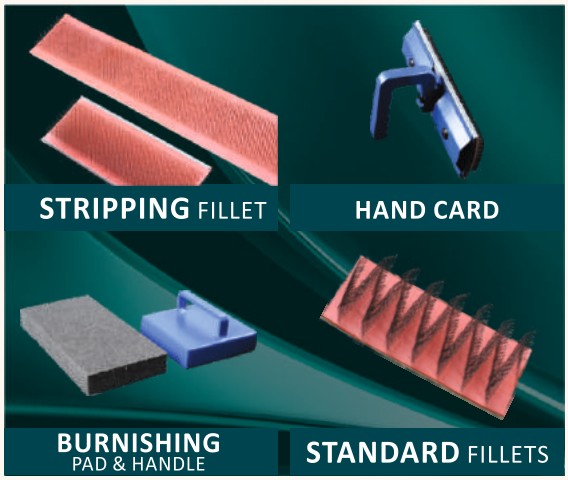


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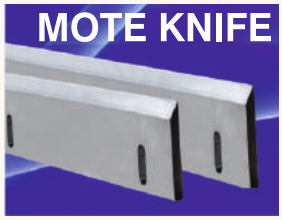
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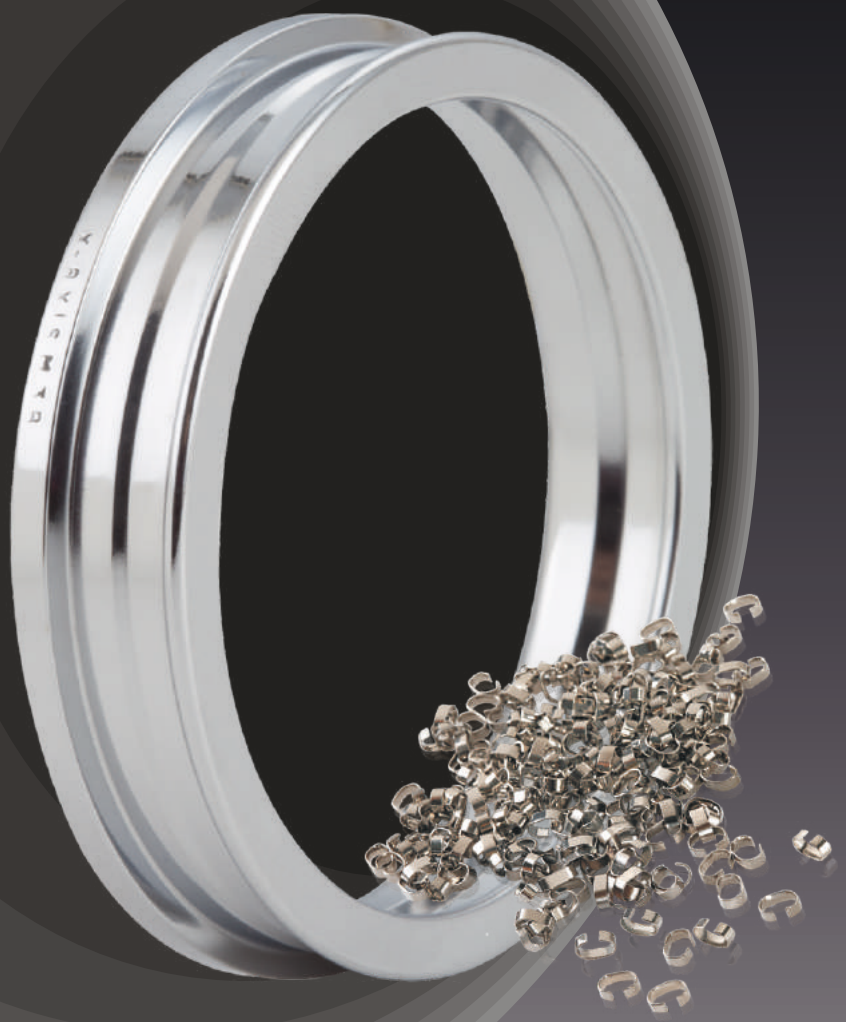

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