Textile Trends

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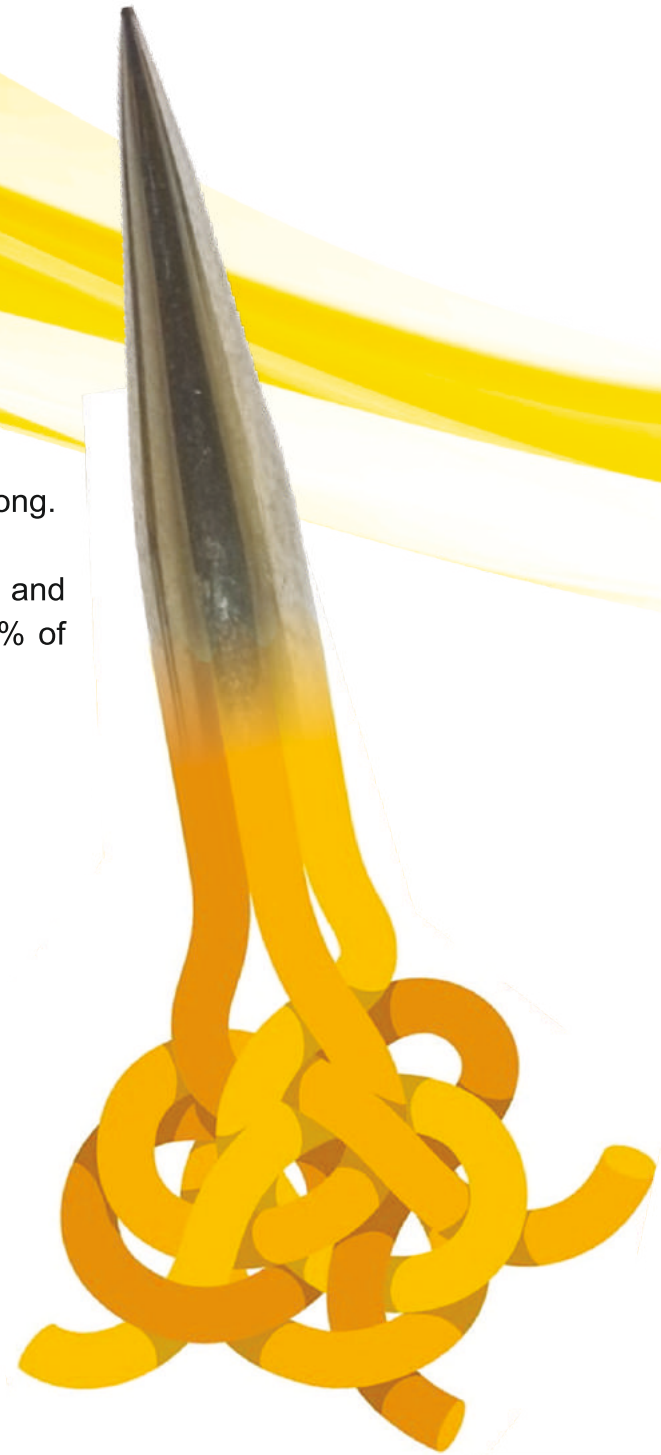

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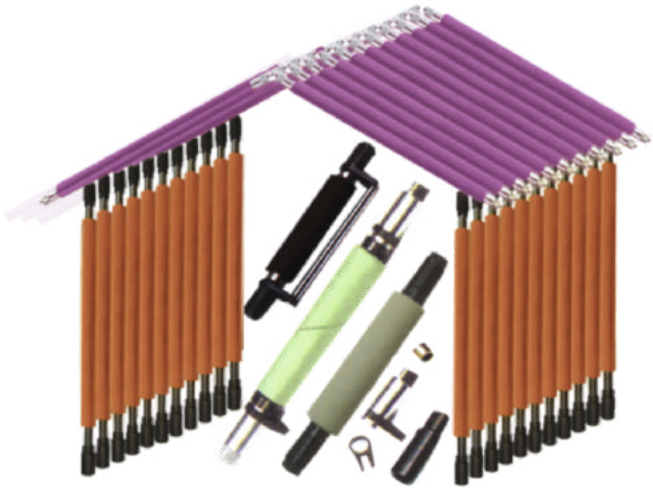

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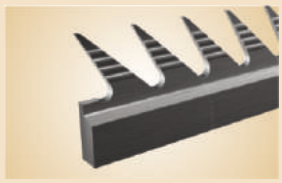
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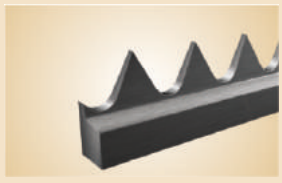
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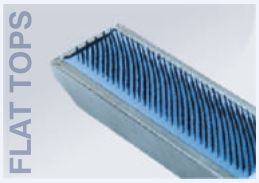

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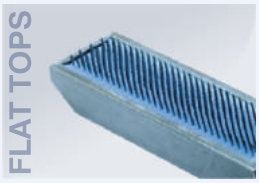

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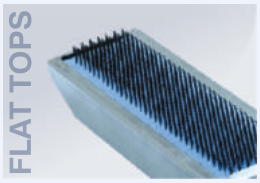

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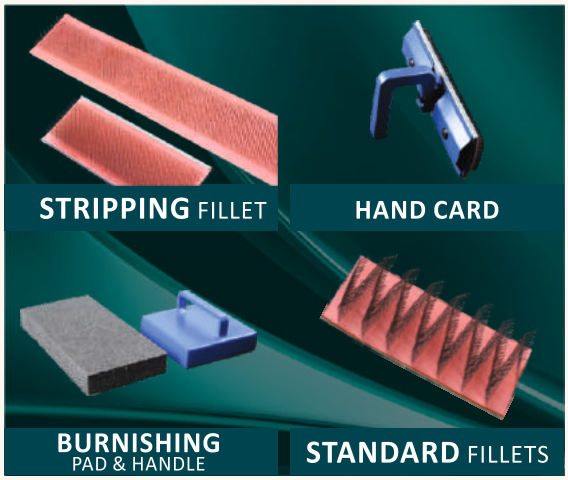


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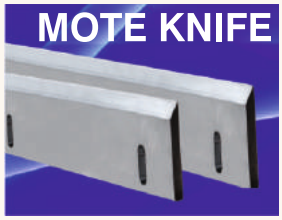
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EDITORIAL

Government's proactive support needed to materialize the potential advantages of South Asian textile

South Asia has emerged as a major player in global textile and clothing market with the onset of third wave of global production. Supportive industrial policy was an instrumental factor in 1990s, with zero duty on raw material and capital machinery, having access to global markets led the textile industry to be in boom. Bangladesh surpassed India in textile exports in the past decade as India's labour cost resulted in production cost 20% more expensive.

India has gained success in developing the backwards links with the aid of the Technical Upgradation Fund Scheme (TUFS) in the cotton and technical textile industry. But, India has yet to move into man-made fiber as factories still operate in a seasonal fashion. Pakistan remains focused on cotton products. Bangladesh is ahead of time in attaining technology. Sri Lanka attained the most progress in ascending the value chain.

Access to affordable labour continues to be an advantage for the South Asian region. In addition, a country such as India with a very high number of scientists can lead in invention and innovative production in textile sector. The US trade war on China owing to human rights violation opens the opportunities to India and Pakistan as they have strong production base of textile products. India has a big supply from raw material to garment. India's proposed investment of US $1.4 billion and the establishment of All-in-One textile parks are expected to increase employment and ease the textile-trade.India extended tax rebates in apparel exports till 2024 with the twin goals of competitiveness and policy stability.

Cotton product dependency and a focus on only major export destination may diminish markets scope for South Asia. Adaptability in meeting the demand for man-made textiles and other complex products and services are also key factors. Newer approaches in the areas of compliance, transparency, occupational safety, sustainable production etc. are inevitable changes in store for South Asia to sustain and grow the textile business. Reskilling and upskilling of the labour force should give priority to stay aloft in the market. We can conclude with saying, there is a need for government's proactive support in infrastructure, capital, liquidity and incentivization.

Russia mulls to replace dollar by yuan, rupee and lira for its wealth fund

Russia is considering purchases of China's yuan, India's rupee and Turkey's lira for its wealth fund under a budget mechanism that uses excess income from energy sales. The central bank (Bank of Russia) disclosed a posible mix of currencies for the first time in a report on the policy outlook for the next three years recently. It said others can also be included, without giving more specifics. "A considerable amount of investments" from the Wellbeing Fund will also go into domestic projects from 2022-2025 since they are necessary to help the economy adapt to changed circumstances as a result of sanctions, according to the report. With euro and dollar purchases blocked by international sanctions over Russia's war in Ukraine, Finance Minister Anton Siluanov has previously indicated that Russia may turn to other currencies to top up the Wellbeing Fund and possibly invest in the yuan as it expands trade with Asia. Bank of Russia Governor Elvira Nabiullina has warned against using volatile currencies, while supporting a return to saving windfall income from oil and gas sales. The central bank had earlier urged the government to order state companies to convert their foreign-exchange holdings into the currencies of the nations that haven't joined in sanctions against Russia. The Finance Ministry is working on changes to the budget rule, which was suspended over the sanctions imposed after President Vladimir Putin ordered the invasion of Ukraine. It's seeking to buy currencies from countries listed as "friendly" by Russia. The wealth fund grew the most since July 2019 in May on soaring energy prices but fell to just under $200 billion in July. Yuan-ruble trading reached a record at the Moscow Exchange in July. ❐

UK inflation jumps to double digits for the first time since 1982

Consumer price inflation in Britain jumped to 10.1% in July, the highest since February 1982, making it the first major rich economy to see price growth hit double digits as surging food costs intensified a squeeze on household budgets. The increase from June's annual rate of 9.4% was above all economists' forecasts in a Reuters poll and fuelled bets by investors that the Bank of England will keep on hiking interest rates quickly. Despite warning in August that a recession was likely, the BoE raised its key rate by 0.5% to 1.75% - its first half-point rise since 1995. It saw inflation peaking at 13.3% in October, when regulated household energy prices are next due to rise. Citi economist Benjamin Nabarro said that, after the latest figures, he now expected inflation to peak above 15% early next year. "With the Bank focused on signs of more persistent inflationary pressures, we think a hawkish reaction is now all but inevitable," he added. Most economists in a Reuters poll earlier recently already expected the BoE to raise interest rates by a further half point to 2.25% in September. Two-year British government bond yields - which are sensitive to interest rate expectatation - hit their highest since 2008 and investors priced in BoE rates peaking at 3.75% around March 2023, up from 3.25% previously. Britain is not alone in facing soaring price growth but it is the first in the Group of Seven economies to experiences inflation above 10%. There are signs too that it will struggle with rising inflation for longer than other economies, including peers in Europe, where energy prices have leapt following Russia's invasion of Ukraine. Many economists believe U.S. inflation has already topped out after it dropped to 8.5% in July from a four-decade high of 9.1% in June. ❐

UK economy tends to recession even with tax cuts

The UK economy is still heading for a recession on Bank of England projections even if Liz Truss becomes prime minister and pushes through her aggressive tax-cutting agenda, according to Bloomberg Economics. The £39 billion ($47 billion) of tax give aways proposed by the favorite to succeed Boris Johnson would reduce the depth of the slump expected by the central bank but still leave the economy smaller than it is now. The analysis published recently calls into question Truss's claim that a recession isn't inevitable. She made her comments hours after the Bank of England warned the UK is facing almost

two full years without a quarter of growth because of a deepening cost-of-living crisis. The BOE forecasts, which anticipate a five-quarter recession beginnign in the final three months of 2022, are based on the government plans. Truss has said she'll extend help immediately if she triumphs in the Conservative leadership race over Rishi Sunak. She's pledged to reverse a payroll tax increases that took effect in April, suspend the green levy on energy bills and cancel a planned rise in corporation tax set to take place in 2023. Bloomberg Economics, using its SHOK model of the UK economy, estimates her plans would see GDP shrink by 1.3 per cent between the end of 2022 and the end of 2023, slightly less than the 2.1 per cent assumed by BOE's Monetary Policy Committee. A package of direct support similar in scale to the £15 billion announced by Sunak in May when he chancellor would limit the damage to 1.1 per cent. "The cuts are unlikely to be enough to change the committee's view that the UK is headed for a recession, and, as we explained here, will give the MPC reason to lift rates further in order to offset the inflationary consequences of higher government borrowing," wrote Dan Hanson, who covers the UK for Bloomberg Economics. ❐

China's trade surplus rises record high as exports beat expectations

China's trade surplus rose to a record as exports grew faster than expected, easing some concerns over waning global demand and providing support for an economy battling sporadic Covid outbreaks and property woes. The nation's trade balance climbed to about $101 billion in July, surpassing the previous record set in June, according to government figures released recently. That's the highest in data compiled since 1987. Exports in dollar terms grew 18% from a year earlier, beating economists' estimates for a 14.1% gain. "The strong export growth continues to help China's economy in a difficult year as domestic demand remains sluggish," said Zhang Zhiwei, president and chief economist at Pinpoint Asset Management. Robust growth boosts confidence in the yuan exchange rate, which helps deter capital outflows, he said. China's imports rose by 2.3%, compared with a 1% gain in June. That was lower than the median estimate for an increase of 4%, indicating weak domestic demand. Inbound shipments of commodities including soybeans, natural gas and copper declined on a monthly basis. Crude imports climbed, however.

US inflation moderates slightly to 8.5% in July

US inflation eased slightly in July, official data showed recently, taking pressure off the Federal Reserve to hike interest rates sharply while bringing a much-needed boost to President Joe Biden just months before crucial midterm elections. With energy costs dropping in recent weeks, the CPI dipped to an annual rate of 8.5% in July, the Labour Department reported. Fuelled by aggressive consumer spending of pandemic savings, global supply chain snarls, domestic worker shortages and Russia's war on Ukraine, the consumer price index had soared 9.1% on-year in June, the highest in 40 years. But July's consumer price index was unchanged compared to the month before, well below a forecasted increase, while CPI excluding volatile food and energy goods rose just 0.3% - the smallest in four months - the figures showed. Consumer prices have continued to climb in the US, squeezing family budgets and, by extension, Biden's popularity. His opponents accuse the president of precipitating inflation with his gigantic $1.9 trillion coronavirus relief package, whcih he enacted in March last year shortly after assuming office. ❐

UK economy shrinks in Q2 as recession fear grows

Britain's economy contracted by less than feared in June, when public holidays had been expected to exert a big drag, although sectors most exposed to a worsening cost of living crisis, struggled. Output for the second quarter as a whole still contracted, however, with Britain expected to enter a long downturn at the end of the year in the face of surging inflation and rising interests rates. The Office for National Statstics said gross domestic product fell by 0.6 per cent in June, the biggest contraction since January 2021 but less severe than the 1.3 per cent drop predicted by a Reuters poll of economists. ■

Amid a moderation in global commodity price inflation causes concerns

Amid a moderation in global commodity prices and normal monsoon showers in India, concerns about any further flare-up in inflation or current account deficit (CAD) are easing, a government source said recently. Nevertheless, the government isn't letting the guard down, the source added. The Centre isn't planning to slash the fertiliser subsidy rates at the moment, despite having to bear the elevated burden, said the source. It doesn't wish to add to farmers' costs of production at this juncture. The govermnent's fertiliser subsidy Bill is expected to exceed its FY23 budget estimate of ₹1.05 trillion by about ₹1.4 trillion, as global prices shot up in the wake of the Ukraine war. The Centre is also unlikely to commit to extending the GST compensation for states beyond five years through FY22, acceding to some states' demand, as any such decision will mean prolonging cess burden on consumers, said the source. "Will all the states be ready to say let's keep the cess on the items in the 28% or 18% brakcets for a much longer period to fund the GST compensation ? These are things we all have to bear in mind," said the source, indicating that the Centre isn't going to take on extra burden on this front. "(However) Global crude oil prices are now moderating, so are fertiliser prices. So, the magnitude of worry that was there in March (just after the Ukraine war began) has eased now. But we are closely watching the situation," said the source. Retail inflation in July, official data for which was released on 12th August, is expected to ease 20-25 basis poins sequentially from the June level of 7.01% to a hit a five-month low, according to some analysts. Retail inflation remained above the upper band of the Reserve Bank of India's medium-term target of 2-6% for a sixth straight month through June. The aim is to first bring inflation down to 6%, said the source. Trade deficit, the most important component of the CAD, is expected to moderate from July's record level of $31 billion. India, the source stressed, is in a much better position than peers on the economy front, and the raft of steps initiated by the government and the central bank have started to yield results. To contain price rise, the Centre has cut fuel taxes, raised the export duty on select steel products and iron ore and cut import duty on pulses, among others. For its part, the central bank has raised the repo rate three times since May to push it above the pre-pandemic level. The recent volatility in the crypto-currency market itself has stirred a debate among its followers about the merits and demerits of these virtual assets, which augurs well for policy-makers across the globe, as they weigh how to regulate such assets, said the source. As India is set to take over the G20 presidency in December, the forum can be used to firm up a global strategy on the regulation of crypto-currencies. As such, India has been seeking to drum up support for such a global approach on cryptos, given the cross-border nature of such transactions. However, the government is yet to take a final call on whether or not to push for such an agenda at the G20, said the source. The government is serious about pursuing disinvestment of all the companies that it has announced, said the source. In certain cases, the process is taking longer, as it involves comprehensive deliberations involving multiple stakeholders. ❐

Trade Deficit widens as exports shrink and imports rise 40%

India's exports shrank after 16 months by 0.76% on-year to $35.24 billion in July even as imports rose 43.59% leaving a wider trade deficit of $31.02 billion in the month against $10.63 billion a year ago. While the outbound shipments of petroleum products, engineering goods and iron ore decreased, commerce secretary BVR Subrahmanyam said that the overall exports can be above $500 billion in the current financial year and the that restrictions on exports of wheat, iron and steel, and petroleum products reined in the export growth. "The external world is no longer benign. Exports in July 2022 is almost static as compared July 2021," he said, adding that anywhere between $1-2 billion worth of wheat has been retained domestically. Imports rose to $66.26 billion in July from $46.15 billion a year ago. "Our domestic food security is important but this has reduced the export figures," Subrahamanyam said. A

per Ajay Sahai, director general of Federation of Indian Export Organisations, global inventories are very high as rising inflation and looming recession have affected demand in large number of economies coupled with reduction in transit time for exports with disruptions in logistics almost getting over. "Prices of commodities are moving southward but the demand for low price products are constantly increasing and buyers are moving from China. These two factors are making us optimistic about our exports performance amidst complex geo political uncertainties," he said. Petroleum imports rose 70.4% and coal 164.43% but gold imports shrank 43.6%. ICRA chief economist Aditi Nayar expects lower commodity prices should temper the trade deficit going ahead, although the strength of merchandise and services exports in the face of the global slowdown fears, remains crucial. ❐

India to sop rupee-settled exports to boost Russia trade

India may give incentives to exporters settling trades using rupees to boost the acceptability of the currency and increase the sales of goods to Russia, which has fallen because of western sanctions, according to government and industry sources. The move is designed to boost Russian trade after the Reserve Bank of India put in place a mechanism for international trade settlements using the rupee in July. Indian companies are already swapping out the dollar and euro for Asian currencies to settle trades to avoid Western sanctions imposed on Russia after their invasion of Ukraine. The most likely incentive that will be granted would apply a current programme for trades using fully convertible currencies such as the dollar and the euro to the rupee, which is only partially convertible, according to the three sources. Under the existing programme, Indian exporters receive rebates on a portion of the taxes and customs duties accumulated during the entire process of manufacturing a good. The new incentive would apply those rebates to goods exported using the rupee as a currency, the sources said. "The Department of Commerce is working with the central bank and the revenue department to ensure facilitation of rupee-related transactions are foreign exchange realisation in accordance with RBI's notification in July, said one of the sources, a senior government official who did not want to be identified as the discussions are private. "Steps will be taken to extend foreign trade policy benefits for such realisation," he added. Commerce Ministry, Finance Ministry and the RBI did not immediately respond to requests seeking comment on the incentives. So far bankers and traders have not increased their use of the rupee for settlements as they are awaiting more details from the central bank and the government on the incentives to use the rupee, the sources said. Guidelines are expected "soon" and will help boost trade with Russia, the sources said. Another one of the sources, also a government official, said India is aiming to add trade worth $6-7 billion with Russia in the next two months. India's imports from Russia, mainly crude oil, increased five times to more than $15 billion from February 24, when Russia invaded Ukraine and the end of July, compared to the previous year, Reuters reported earlier in August. However, exports fell to $852.22 million from $1.34 billion in the same period. ❐

UK & India at final stage in talks on FTA

India and the UK will continue to work intensively to meet the Diwali deadline at the end of October for a Free Trade Agreement (FTA) announced during the India visit of outgoing British Prime Minister Boris Johnson, a UK government statement said. In a joint outcome statement on the ongoing FTA negotiations released recently, the Department for International Trade (DIT) said the fifth round involved detailed draft treaty text discussion over 85 separate sessions and 15 policy areas. The latest round concluded on July 29, with the next due to be held in the UK. "Indian and UK officials will continue to work intensively throughout the summer towards our target to conclude the majority of talks on a comprehensive and balanced Free Trade Agreement by the end of October 2022," the DIT statement said. "Negotiation officials undertook these technical talks in a hybrid fashion — with some of the teams meeting in New Delhi, India, and the majority of officials joining virtually," it said. ■

Indigenous textiles as much art and craft as garments

An all-black silk zari sari in Tanchoi weft designed by Sanjay Garg and Saranya S of Raw Mango has miniature silhouettes of a lion with its full man and a woman, often giving an impression of one that looks like the other and often different. Another constructive web of *ek taar* (untwisted silk yarns) in Sindhuri textile by textile revivalist Umang Hutheesingh, the founder-president of the Hutheesing Heritage Foundation, Gujarat, shines like a *dupatta* usually worn by brides or best decorated as wall art. A third one by ace fashion designer Gaurav Gupta is a repertoire of *chakras,* flowers, temples in pashmina shawl worked in collaboration with master craftsman Waseem from Kashimir. The designer calls it a "*kundalini* awakening" as it "injects energy to revive textiles, and can be draped by the young and the old".

Gupta says he plans to make a fashion line out of this shawl in the near future. Hutheesingh ticks his works as wearable and decor-worthy art forms or wall art pieces created to revive age-old yarns and fabrics. All these rare metaphorical interpretations of Indian culture and society have been intrinsically woven in traditional weaving, embroidery and crafts to create products that have a global appeal. "We have to move away from thinking that textile is only clothing", says curator Lavina Baldota, who is a textile revivalist, conservationist, and the concept curator of the exhibition titled 'Sutr Santati', which has these textile works on display.

"It's a superb art installation, it looks fantastic in your home, it's great for gifting. That's the reason when we decided to do Sutr Santati, we asked the participants not to make garments, but to create pieces that could be used on the wall, on your body or in your house. The interventions that have happened are in the design language mainly because we wanted to move away from being extremely ornamental to something contemporary which would appeal even to the next generation and could have multiple uses, whether it is local or global.

Sutr Santati literally means the continuity of yarn. The exhibition is a bold display of over 100 textiles by 75 prominent artisans, craftspeople, desingers, and multidisciplinary artists celebrating 75 years of Indian independence, Azadi ka Amrit Mahotsav, through the continuum of textile heritage. It includes significant voices committed to revival of textiles like Rahul Jain, Radhika Raje, Mayank Mansingh Kaul, Purvi Patel and Gunjan Jain. Students from top design institutes like Jaipur's Indian Institute of Craft & Design, Mumbai's Le Mark School of Art, and The Maharaja Sayajirao University of Baroda (MSU); and organisations including Chanakya School of Craft and Dastkari Haat Samiti, besides fashion designers like Abu Jani-Sandeep Khosla, Gaurang Shah and Manish Malhotra, as part of the show. The works are interspersed with an array of traditional Indian textile paintings and art forms which include expressions of Gond painting, *kalamkari, kamangiri, kalighat, mata ni pachedi, madhubani*, natural dye chintz, *pha, pichwai, patachitra* and *warli,* among others.

"The idea is to promote organic and slow consumerism through collaborative efforts which are required to push towards such goals," says Baldota, who had presented the first of Santati exhibitions titled 'Santati Mahatma Gandhi : Then Now Next in 2018-19', and marked the 150th birth anniversary of Mahatma Gandhi, paying homage to his progressive views on sustainability and circular industries through textiles, fashion, literature, fine arts and design.

But this time the exhibition is different from the last one as Hampi-based creative mentor calls it "textile centric". Several people working in the field of textiles were brought to the forefront especially during the pandemic. "I wanted to help weavers in whatever way, especially those who reached out to me and created a plan around something sustainable that consumers. Like Many Indian fashion and design houses have re-skilled and re-employed workers in villages during the pandemic.

While sustainability and the circular economy have been cornerstones of the show, by using indigenous yarns, and supporting the farmers, there has been enough done to create awareness among the designers to engage in using Indian fabrics and work with the crafts people to create a design language. Natural Indian yarns and the use of natural dyes are another step towards reducing the pollution that the textile industry is known to cause in the environment. But Baldota feels whatever is good for the environment is good for the body, since it is made of the five elements.

"Going back to those practices was a challenge but we were able to push boundaries," says Baldota, stating Telangana as the best example to revive an old 'Telia Rumal' design which has 99 different motifs done in *ikat* using not the mercerised cotton, which is currently being used but the handspun cotton yarn. ■

Indians increasingly shifting to long-lasting wear : Uniqlo

Uniqlo, Asia's biggest clothing brand, said consumers in India are increasingly shifting from 'fast-fashion' to long-lasting essentials and functional wear and it will help in the growth of the company.

Over the past decade, global brands Zara and H&M became market leaders in the fast fashion segment in India. However, Uniqlo said consumers are opting for sustainable and durable garments instead of cheap and mass-produced ones in India as well as globally.

"India is an important and very big priority market. The Indian customer is sensitive to quality and fitting which are functional and we see consumer mindset changing from short-term fashion to essential long-term ones. India offers a high potential market for the trend," Tomohiko Sei, chief executive officer at Uniqlo India told of late.

As the world's second most populated country, India is an attractive market for apparel brands, especially with youngsters increasingly embracing western-style clothing. Uniqlo is globally popular for functional basics like T-shirts, jeans and woolen wear, unlike fast-fashion rivals which are associated with designs that move quickly from the catwalk to the showroom.

Both Zara and H&M stocks fast fashion items created in-house and team up with designers for one-time collections. They keep a large inventory of basic, everyday items sourced from places including India and Bangladesh that carry a lower price tag than most of its rivals. The Japanese brand opened its first door in September 2019, but stringent lockdown measures were announced to contain the outbreak of the pandemic in March 2020.

This, in turn, delayed its store expansion plans, restricting its store count to six. Uniqlo said it plans to open more stores and enter new cities as part of its expansion plan but will focus on north India initially. The company will be opening a store in Lucknow shortly, its first outlet outside Delhi NCR.

"Covid had a big impact on us as most of the spring-summer business and project was gone because of the lockdown. But we opened the Uniqlo online store. Despite covid, we reached to our customer through the online," said Sei.

When the company launched the online store in July 2021, it had a target of 15% of the total business from e-commerce channel, which it has surpassed. ■

Textile Cos to draw roadmap to cut carbon footprint

The government has identified textiles as a high emission intensity sector and asked the industry to prepare a roadmap for reducing emission intensity and carbon dioxide by 2030 along with the expected financial implications.

India wants to achieve carbon neutrality by 2050 and keep global warming below +1.5 degrees Celsius.

"The roadmap would include ways to adapt to protect communities and natural habitats, especially the ones threatened by climate change," said an official.

India relies heavily on coal and natural gas for electricity and heat production and that increases the carbon footprint of each apparel product.

Globally, the textile and garment sector accounts for 6-8% of total carbon emissions, or some 1.7 billion tonnes in carbon emissions per year.

The decision was taken after an inter-ministerial committee met in July to discuss the implementation of the roadmap on energy efficiency with a focus on sectors with high emission intensity such as transport.

"Carbon dioxide reduction targets and respective measures to achieve these targets would be a key feature of this roadmap to improve the sustainability of textile production," the official said.

As per CII, textiles is the second-largest polluter in the world and accounts for 10% of global carbon emissions. Almost 90% of textile waste goes to landfills, which is a serious environmental concern.

"The energy crisis has increased the importance of reducing the carbon footprint and usage of low carbon technologies in the textile sector," said a cotton industry representative, adding that analysis is going on to study the most polluting sectors of the textile value chain. ■

High cotton prices lead to fall in production of Spinning Mills : Analysts

Extreme weather conditions, coupled with lower crop yield, have triggered a sharp rise in cotton prices. So far, in the month of August, the prices of this commodity have surged over 11 per cent to ₹50,600 per bale from ₹45,297 earlier.

Domestic spinning mills have either trimmed production or have started to use existing inventories to meet domestic demand. This is due to higher yarn prices, pest infestation and excessive rainfall patterns. The highest cotton-producing states like Gujarat, Tamil Nadu, Andhra Pradesh and Maharashtra have lowered or ceased their production due to low demand and elevated commodity inflation.

While this may put margin pressure on textile companies in the near term, the ones with steady inventories may benefit from this crisis in the long run, believe analysts.

They suggest investors stay cautious on cotton-yarn players and apparel makers if the prices of natural fibre continue to remain in the upward trajectory in the near term. "Within the textiles indsutry, the cotton-yarn manufacturers will face the worst wrath due to margin squeeze and lower profitability. Cloth-sellers, too, shall remain under pressure.

However, garment manufacturers would be able to pass on the price rise to apparel makers. Hence, we recommend that investors hold stocks of garment manufacturers or exporters like KPR Mills, Gokaldas Exports, and SKF India," said Deepak Jasani, head of research, HDFC Securities.

At the bourses, shares of textile stocks like KPR Mills, Welspun India and Vardhman Textiles have tumbled up to 45 per cent so far in calendar year 2022.

Meanwhile, shares of SKF India, Raymond and Greaves Cotton have surged up to 53 per cent, ACE Equity data shows. In comparison, frontline indices Nifty 50 and the Sensex climbed over 0.8 per cent each.

Globally, most countries have been hit by an acute cotton production due to dry spells and intense heat waves.

The drought has not spared the US — the world's largest exporter of cotton. Industry experts estimates production to plummet to 28 per cent, the lowest seen since 2010. Other countries like China, Brazil and Australia, too, remain vulnerable.

Despite the huge cotton shortage across the country, analysts believe India stands to storm through the crisis once prices ease.

Vinit Bolinjkar, head of reseach, Ventura Securities, is bullish on the long-term prospects of companies with steady inventory like KPR Mills and Vardhman Textiles.

Moreover, the finance ministry extended the exemption of Customs duty on raw cotton imports till October 31 as domestic production takes a hit.

The exemption from duty would benefit the textile chain — yarn, fabric, garments and made-ups and provide relief to consumers.

Against this backdrop, though minimal meaningful recovery is anticipated for the textiles sector in the near-term due to elevated prices, the long-term bet looks profitable, believe analysts.

Gaurang Shah, investment strategist at Geojit Financial Services, expects value buying to emerge after a fall in the prices of cotton.

"As India has battled high cotton prices in the past, we remain optimistic on the textiles sector in the long haul as well. Hence, we recommend that investors hold on to companies like Vardhman Textiles and Raymond," he added. ■

Textile sector to work on raising cotton quality and productivity

The textile industry will soon submit to the government a proposal to improve cotton quality and productivity.

Union Textile Minister Piyush Goyal and Union Agriculture Minister Narendra Singh Tomar held a meeting with cotton sector stakeholders on July 24.

Ravi Sam, chairman of Southern India Mills' Association (SIMA), who participated in the meeting, said a multi-pronged approach is required for farmers to sow quality seeds and adopt best practices, to improve soil health and reduce contamination in cotton.

The industry will submit a proposal to the government, start engaging with the farmers, and also extend support to them to increase productivity and improve quality. "The aim is to start working with farmers for the winter sowing," he said.

A press release from SIMA, Confederation of Indian Textile Industry and The Cotton Textiles Export Promotion Council said annual cotton production in the country is estimated to drop to the 'lowest' level of 315 lakh bales this season. ■

GST Council may not correct inverted duty structure on textiles at September meet

The GST Council is unlikely to take up correcting inverted duty structure for textiles anytime soon.

Meanwhile, the Council at its next meeting will take up two issues—a circular for not imposing IGST on ocean freight and opening up windows for transitional credit besides reports by two Group of Ministers (GoM). The next Council meeting was scheduled to take place in Madurai, Tamilnadu in September, though the date has not been fixed yet.

A senior Finance Ministry official confirmed recently that no time line had been proposed yet for correcting the inverted duty structure (higher duty on raw materials and other inputs and lower duty on final product). "This is not just an economic issue but a much bigger political issue and considering the State assembly election in Gujarat, the possibility of considering IDS on textile soon is ruled out," he said.

In December, the GST Council had decided to defer correcting IDS on textiles from January 1, 2022. It was decided that the GoM on rationalisation will look into this issue and suggest a special rate after correction of IDS. In its interim report, the GoM focussed on correction of IDS in some of the sectors and also on exemption. Now, it is working to preparing another report, but as of now there is no indication that the textiles issue is to be part of this report. Prateek Bansal, Associate Partner (Tax and Custom) with White & Brief, said that accumulation of Input Tax Credit due to the inverted duty structure on textiles segment is a long-standing issue, adding that ITC accumulation can be corrected either by rationalising input/output GST rates, or by allowing the industry to claim cash refund of the accumulation ITC. While the Government is unlikely to open-up refund route, the increase in output GST rates (as was proposed earlier) was also rolled back due to protests by the industry (especially from Gujarat).

"The Government must not lose sight of the fact that this delay in adopting corrective measures is causing huge blockage of working capital of the businesses, besides inflationary pressure," he said. Further, the inverted structure is encouraging imports of the synthetic textiles, thereby giving a major blow to domestic manufacturers (including under the Production-Linked Incentive Scheme).

Saket Patawari, Executive Director with Nexdigm, said that the correction in case of inverted duty goods can be achieved only by way of increasing rates of goods being sold, which can ideally be recovered only by raising the prices of goods. In the past, it was observed that when GST rates were proposed to be increased for the textiles sector, most of the industry players had protested against this. "This certainly shows that if rate corrections for textiles sector are postponed, while the input tax credit may continue to pile up, a temporary relief may be experienced by this sector. Moreover, the recent correction in the formula for inverted duty structure refund should provide an additional respite to the sector," he said. ■

Rising demand for natural fibre an impetus for farmers : ReshaMandi

India's natural fibre industry is expected to grow steadily in the coming years on the back of the growing domestic and global demand for the commodity, according to Mayank Tiwari, Founder and CEO, ReshaMandi, a farm-to-fashion digital marketplace for natural fibres.

The growing demand has opened up huge opportunities for farmers who want to grow plants sued for plant-based and pulp-based natural fibres, he added.

"Natural fibres are considered the backbone of the Indian textiles industry which is projected to reach $195 billion by 2025 from $138 billion currently," Mr. Tiwari said in an interview. "The demand for natural fibres has been on a steady rise and this opens up opportunities for farmers, especially for growing cotton, silk, jute, wool and linen."

The close relationship of the textiles industry with agriculture (for raw materials), the lineage and heritage of the techniques used in the sector made the country a unique market as compared with other textile industries across the world, Mr. Tiwari observed.

Elaborating on the drivers of the natural-fibre sector, he said, end customers, even in developing countries such as India, were becoming increasingly conscious of sustainability issues and the entire life cycle of products and materials right from the origin/source.

"In the last couple of years, 'sustainable' and 'organic' have become indispensable buzzwords in India's fashion industry with brands committed to being 100% organic and using natural fibres," he added. ■

Govt. opts to exempt garments sold in loose form from info rule

The Consumer Affairs Ministry has brought in formal notification for exclusion of readymade garments sold in loose form at retail stores from the ambit of the Legal Metrology (Packaged Commodities) Rules. Such products will need to display certain information for the benefit of consumers such as the name of manufacturer, MRP and country of origin, among others.

The industry bodies said, this move is expected to bring in much needed regulatory clarity for the apparel and hosiery manufacturers and retailers.

In the past, the Ministry have issued advisories to provide clarity on this matter, but industry bodies such as Clothing Manufacturers Association of India (CMAI) and Federation of Hosiery Manufacturers Association (FOHMA) had been urging the Centre to create solid regulations to remove ambiguity in interpretation at the state level.

As per the Legal Metrology (Packaged Commodities) (Third Amendment) Rules, 2022, garment or hosiery products that are sold in loose or in the open, at the point of sale, in a manner that the customer can inspect the products before buying, will be excluded from the ambit of Legal Metrology (Packaged Commodities) Rules. Provided that, such products shall bear certain details including name and address of the "manufacturer or marketer or brand owner or importer with country of origin". Such readymade garments should also display consumer care email id and phone number and Maximum Retail Price inclusive of taxes in Indian currency.

In addition, the garments should bear information regarding "sizes with internationally recognisable size indicators such as S, M, L, XL, XXL and XXXL along with details in metric notation in terms of cm or m, as the case may be."

Rahul Mehta Chief Mentor and Past President, CMAI said the notification gives a clear definition of "loose" garments as those that can be inspected by consumers at the point of purchase. "This clarifies that, goods being in a packed form for safety or hygiene consideration during storage and transit before it reaches the point of purchase will not be considered as 'packed," Mehta added.

The industry bodies have been making representations for several years on this issue. "This step will go a long way in ease of doing business for the garment and retail industry. It addresses a long standing grievance of the industry and will hopefully minimise and even eliminate the Inspector harassment faced by the industry," said Rajesh Masand, President, CMAI.

The Ministry's notification added that this exemption is only for "finished goods" and the said the information "shall be displayed on e-commerce website if such a product is sold through e-commerce." The amendments will come into effect from January 1. "Provided also that any manufacturer or packer or importer may, notwithstanding the date of commencement of this clause, declare the above information with immediate effect," the notification added. ■

New textile policy to provide 20,000 jobs in Haryana

The Haryana Atmanibhar Textile Policy 2022 will soon be implemented, involving an investment of around ₹4,000 crore and providing employment to 20,000 youth, Deputy Chief Minister Dushyant Chautala said recently.

He gave this information after a Cabinet Sub-Committee meeting held at the Haryana Bhawan in New Delhi to discuss the policy draft. State Agriculture and Farmers' Welfare Minister Jai Prakash Dalal and Labour and Employment Minister Anoop Dhanak were also present.

Mr. Chautala said the draft was discussed and it would now be placed before the Cabinet for its approval. He said goals of the policy such as entrepreneurship expansion, investment, employment generation, grants textile parks and other relevant topics were discussed. Under this policy, technical textiles will be specially encouraged and expanded, said Mr. Chautala, adding that promotion of synthetic fibre and regenerated fibre units had also been included in it.

Mr. Chautala said investors were coming forward to set up industries in the State. ■

EFFECT OF SPINNING PROCESS VARIABLES ON PROPERTIES OF POLYESTER VISCOSE BLENDED YARN

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Abstract

The effect of cots hardness, spacer sizeand traveller number with each of three levels on polyester viscose blended ring spun yarn has been investigated. The change in polyester viscose blended yarn properties like unevenness %, imperfections, hairiness index, single yarn strength and elongation % with the change in spinning process variables has also been reported. The results showed that polyester viscose blended yarn U% and imperfection changes as a consequence of the ring frame process variable. Polyester viscose blended yarn spun with softer cots, optimum spacer size and lighter weight traveller have shown lower U%, imperfections, and higher single yarn strength (RKM), elongation%. Polyester viscose blended yarn spun with softer cots and optimum spacer size showed a lower hairiness index.

Keywords : Polyester viscose blended yarn, Unevenness, Imperfections, RKM and Hairiness Index.

Introduction

Polyester viscose blended ring spun yarn quality is influenced by ring frame process variables. Especially the front top drafting roller cots hardness, spacer size and traveller weight have a significant influence on the polyester viscose spun yarn quality. The front top roller diameter and the pressure on it critically influences the yarn imperfections[1]. The unevenness of the yarn decreases with the decrease in top rollers diameter up to an optimum diameter and after that, it increases rapidly as the top roller diameter decreases[2, 3]. With an increase in cots hardness from 650 to 830 shore, the co-efficient of variation of yarn mass CV (m)% and yarn unevenness U (m)% increased[4]. With a wider distance between the top and bottom apron than the optimum value, the yarn U%, neps, thick place increases due to the ineffective control over the moving short fibres and if it is too less then also U% and thin place are higher due to higher percentage of long fibre damage. The ring frame spacer size is to be decided according to the yarn count to be spun[5, 6]. The traveller is the smallest and simple element in the ring frame which does the most important functions like instantaneous twisting, winding, and leading the yarn through the ring spinning frame in combination with the spindle and ring. Yarn quality parameters can be improved by proper traveller weight selection which results in reducing yarn breakage, mass variation, twist variation and hairiness. Traveller weight should be optimised for spinning the particular yarn count and for a particular cotton mix[7, 8]. The change in the traveller weight influences the yarn properties like imperfections, U%, hairiness, single yarn strength and breaking elongation. The traveller weight is selected in consideration with yarn count[9].

In the present work, an attempt has been made to measure the effect of cots hardness, spacer size and traveller weight on polyester viscose blended ring spun yarn properties like unevenness %, imperfections, hairiness index, single yarn strength and elongation %.

Material and methods

Polyester fibre with Denier - 1.0, length - 40 mm, strength 5.0 gpd and Viscose fibre with Denier - 1.2, length - 38 mm, strength 2.50 gpd was used for the study. Taguchi L9 Orthogonal array experimental design was used to produce the polyester – viscose (68:32) blended yarn samples, with ring frame process variables –front top roller cots hardness, spacer size and traveller number with three levels each as given in Table 1. Nine polyester-viscose yarn samples were produced as per the design of the experiment on LR6/S ring frame, keeping all the other process parameters and settings constant. The yarn samples were conditioned with 27±2°C and relative humidity of 65±2 for 24 h. Yarn samples were tested for evenness, imperfections and hairiness index on Uster evenness tester 5. Single yarn strength (RKM) and elongation% were tested on Uster Tensojet 4. Minitab statistical software was used to analyse test results by using ANOVA- General Linear Model and the confidence level used was 95%.

EFFECT OF SPINNING PROCESS VARIABLES ON PROPERTIES OF POLYESTER VISCOSE BLENDED YARN

Table 1 : L9 Orthogonal array experimental design

Sample	Cot hardness (degree shore)	Spacer size (mm)	Traveller No.
S1	72	2.5	4/O
S2	72	3.5	5/O
S3	72	4.5	6/O
S4	83	2.5	5/O
S5	83	3.5	6/O
S6	83	4.5	4/O
S7	90	2.5	6/O
S8	90	3.5	4/O
S9	90	4.5	5/O

Result and discussion

The mean values of yarn characteristics - U%, imperfections, hairiness index, tenacity (RKM), and elongation% of all the nine yarn samples are given in Table 2.

Table 2 : Effect of ring frame process variables on P/V yarn properties

Sample No	U%	IPI/km	Hairiness Index	RKM	Elongation %
S1	10.25	67.10	3.99	28.88	10.01
S2	9.36	50.10	3.85	30.08	10.72
S3	9.38	60.00	4.20	28.67	10.53
S4	11.10	98.50	4.32	27.66	9.45
S5	9.89	55.50	4.03	29.98	10.26
S6	10.39	86.60	4.22	29.02	10.12
S7	10.24	53.50	4.10	29.67	10.04
S8	10.24	54.10	4.06	29.30	10.28
S9	10.41	118.10	4.01	29.14	10.43

Effect of ring frame process variables onyarn unevenness

Figure 1 and Table 2 show the effect of ring frame process variables on yarn unevenness (U%). As cots hardness increases yarn U% increases initially and a further increase in cots hardness shows a marginal decrease in U%. This is because with 720 shore hardness the cots are softer and give better gripping over the fibres during drafting which results in better and even drafting of fibre strand. An increase in cots hardness reduces the gripping over the fibres during the drafting and adds irregularity in the drafted fibre strand resulting increase in U%.

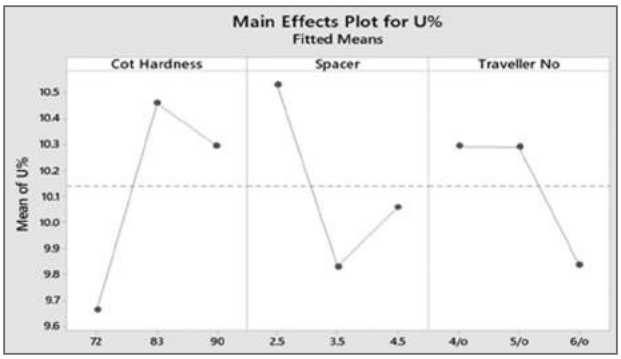

Figure 1: Effect of ring frame process variables on P/V yarn unevenness

The increase in spacer size initially from 2.5 mm to 3.5 mm shows a decrease in yarn U%, but a further increase in spacer size to 4.5 mm shows an increase in yarn U%. This is because with less spacer size of 2.5 mm the fibre movement during drafting is not smooth and the crushing of fibre strand the fibre strand drafting affects. With a 4.5 mm spacer size the gap between the aprons is too wide and there is no control over the moving fibre. The fibre moves irregularly and adds thin and thick places in drafted fibre strand and shows an increase in yarn U%. The spacer size of 3.5 mm is optimum which gives better positive control over the moving fibres and the fibre strand is drafted regularly and shows lesser yarn U%.

With an increase in the traveller number from 4/O to 5/O there is no change in the yarn U%, but a further increase in traveller number to 6/O shows a decrease in yarn U%. This may be because 4/O and 5/O traveller weights are heavier than the 6/O traveller. With heavy traveller weight, the friction between the yarn and traveller is high and the surface fibres may get shifted on the yarn surface and thin and thick places are introduced in the yarn resulting increase in yarn U%. The traveller number 6/O is lighter in weight and results in less friction between yarn and traveller. It results in better twisting of fibres and results in a decrease in yarn U%.

Effect of ring frame process variables on imperfections

Figure 2 and Table 2 show the effect of ring frame process variables on imperfections in P/V yarn.

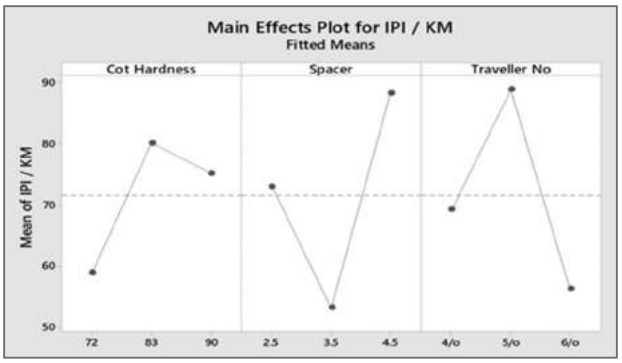

Figure 2 : Effect of ring frame process variables on imperfections in P/V yarn.

As cots hardness increases yarn imperfections increases initially and a further increase in cots hardness shows a marginal decrease in imperfections. The same trend is observed in yarn U%. This is because with 720 shore hardness the cots are softer and give better gripping over the fibres during drafting which results in better and even drafting of fibre strand. The increase in cots hardness reduces the gripping over the fibres during the drafting and adds thin and thick places in the drafted fibre strand resulting increase in the imperfections.

An increase in spacer size initially from 2.5 mm to 3.5 mm shows a decrease in yarn imperfections, but a further increase in spacer size to 4.5 mm shows an increase in yarn imperfections. The same trend is observed in yarn U%. This is because with less spacer size of 2.5 mm the fibre movement during drafting is not smooth and the crushing of fibre strand the fibre strand drafting affects. With a 4.5 mm spacer size the gap between the aprons is too wide and there is no control over the moving fibre. The fibre moves irregularly and adds thin and thick places in drafted fibre strand and shows an increase in yarn imperfections. The spacer size of 3.5 mm is optimum which gives better positive control over the moving fibres and the fibre strand is drafted regularly and shows lesser yarn imperfections.

With an increase in the traveller number from 4/O to 5/O there is a marginal increase in yarn imperfections, but a further increase in traveller number to 6/O shows a drastic decrease in yarn imperfections. This may be because 4/O and 5/O traveller weights are heavier than the 6/O traveller. With heavy traveller weight, the friction between the yarn and traveller is high and the surface fibres may get shifted on the yarn surface and thin and thick places are introduced in the yarn resulting in high yarn imperfections. The traveller number 6/O is lighter in weight and results in less friction between yarn and traveller. It results in better twisting of fibres and results in a decrease in yarn imperfections.

Effect of ring frame process variables on hairiness index

Figure 3 and Table 2 show the effect of ring frame process variables on P/V yarn hairiness index.

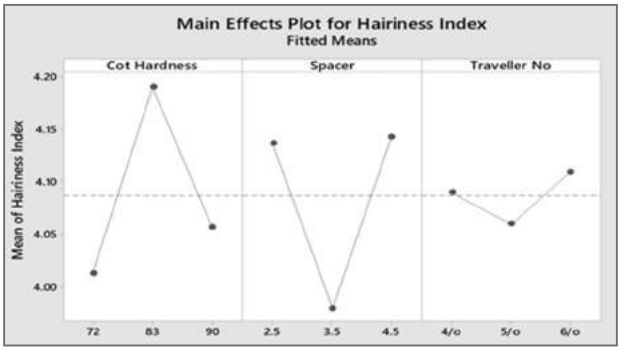

Figure 3 : Effect of ring frame process variables on P/V yarn hairiness index

As cots hardness increases the yarn hairiness index increases initially and a further increase in cots hardness shows a decrease in the hairiness index. Rubber cots with a shore hardness of 720 were considered ideal for ring spinning. Softer cots show lesser hairiness index values in yarn. Soft coverings at the front line shift the nipping point of front rubbers rollers slightly forward, due to the increased cross-sectional area. It reduces the spinning triangle, which causes the twist to be inserted in a better way. Better twist insertion reduces the hairiness of yarn. On the other hand, harder cots increased the fibre breakage which caused a higher value of hairiness.

An increase in spacer size initially from 2.5 mm to 3.5 mm shows a decrease in yarn hairiness index, but a further increase in spacer size to 4.5 mm shows an increase in yarn hairiness index. This is because with less spacer size of 2.5 mm the fibre movement during drafting is not smooth and the crushing of fibre strand the fibre strand drafting affects. With a 4.5 mm spacer size the gap between the aprons is too wide and there is

no control over the moving fibre. The fibres move irregularly and close and wide spacer sizes the selvedge fibres one end gets bound in yarn body and other end protrude outside yarn body and shows an increase in yarn hairiness index. The spacer size of 3.5 mm is optimum which gives better positive control over the moving fibres and the fibre strand is drafted regularly and shows a lesser yarn hairiness index.

With an increase in the traveller number from 4/O to 5/O there is a marginal decrease in yarn hairiness index, but a further increase in traveller number to 6/O shows a marginal increase in yarn hairiness index. The change in the hairiness index is marginal with a change in traveller number. The heavier traveller gives a lesser hairiness index than the lighter weight travellers. This can be ascribed to the fact that with a heavier traveller the resistance to twist flow past the traveller increases and thus the excessive twist flows back to the spinning zone. This reduces the length of the spinning triangle and hence the number of free ends at the edge of the spinning triangle decreases. Again, due to the higher twist density at the spinning zone, the peripheral fibres get twisted into the yarn body.

Effect of ring frame process variables on RKM

Figure 4 and Table 2 show the effect of ring frame process variables on single yarn strength (RKM) of P/V yarn. As cots hardness increases from 720 shore hardness to 830 shore hardness, the RKM value decreases marginally and a further increase in cots hardness to with 900 shore hardness shows a noticeable increase in the hairiness index. There is no definite trend is observed. But with softer cots at the front drafting roller, the possibility of fibre breakage is lesser and shows a higher RKM value.

An increase in spacer size initially from 2.5 mm to 3.5 mm shows an increase in yarn RKM, but a further increase in spacer size to 4.5 mm shows a decrease in yarn RKM. This is because with less spacer size of 2.5 mm the fibre movement during drafting is not smooth and the crushing of fibre strand the fibre strand drafting affects. With a 4.5 mm spacer size the gap between the aprons is too wide and there is no control over the moving fibre. The fibres move irregularly and add thin and thick places in drafted fibre strand and show a decrease in yarn RKM. The spacer size of 3.5 mm is optimum which gives better positive control over the moving fibres and the fibre strand is drafted regularly. With a spacer size of 3.5 mm, the yarn is even with lesser hairiness. Hence maximum fibre strength is contributed to yarn strength. Hence the yarn spun with a 3.5 mm spacer size shows higher RKM.

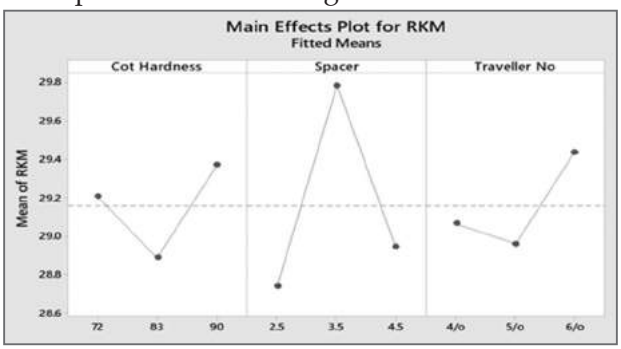

Figure 4 : Effect of ring frame process variables on RKM of P/V yarn

With an increase in the traveller number from 4/O to 5/O there is a marginal decrease in RKM value, but a further increase in traveller number to 6/O shows a drastic increase in RKM. This may be because 4/O and 5/O traveller weights are heavier than the 6/O traveller. With heavy traveller weight, the friction between the yarn and traveller is high and the surface fibres may get shifted on the yarn surface and thin and thick places are introduced in the yarn resulting in high yarn imperfections as discussed earlier and this results in a decrease in RKM. The traveller number 6/O is lighter in weight and results in less friction between yarn and traveller. It results in better twisting of fibres and results in an increase in RKM.

Effect of ring frame process variables on elongation%

Figure 5 and Table 2 show the effect of ring frame process variables on elongation% of P/V yarn. As cots hardness increases from 720 shore hardness to 830 shore hardness, the elongation% of yarn decreases marginally and a further increase in cots hardness to 900 shore hardness shows a noticeable increase in the elongation% of yarn. There is no definite trend is observed. But with softer cots at the front drafting roller, the possibility of fibre breakage is lesser and shows higher elongation% of yarn.

An increase in spacer size initially from 2.5 mm to 3.5 mm shows an increase in elongation% of yarn, but a further increase in spacer size to 4.5 mm shows a marginal change in yarn elongation% of yarn. This is because with less spacer size of 2.5 mm the fibre movement during drafting is not smooth and the crushing of fibre strand the fibre strand drafting affects. The fibres move irregularlyand add thin and thick places in drafted fibre strand and show lesser yarn elongation%. The spacer size of 3.5 mm is optimum which gives better positive control over the moving fibres and the fibre strand is drafted regularly. With a spacer size of 3.5 mm the yarn is even with lesser hairiness. Hence maximum fibres are in the yarn body. Hence the yarn spun with a 3.5 mm spacer size shows higher elongation%.

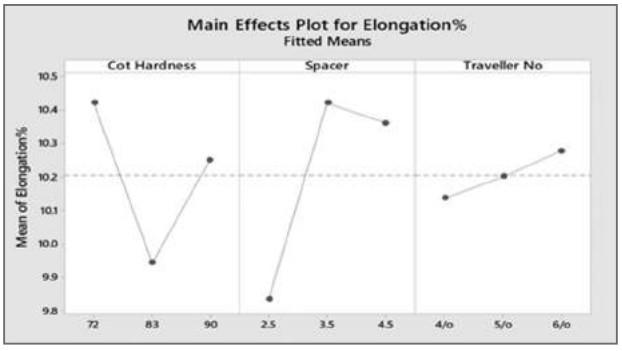

Figure 5 : Effect of ring frame process variables on elongation% of P/V yarn

An increase in the traveller number from 4/O to 6/O shows an increase in elongation%. This may be because 4/O and 5/O traveller weights are heavier than the 6/O traveller. With heavy traveller weight, the spinning tension increases which causes the straightening of fibres as they emerge from the front roller nip, thereby reducing elongation.

Conclusion

Analysis and discussions on the test data obtained in this study led to the following conclusions.

- Blended P/V yarn U% and imperfection changes as a consequence of Ring frame process variable, Blended P/V yarn spun with softer cots, optimum spacer size and lighter weight traveller have lower U% and imperfection.
- Blended P/V yarn spun with softer cots and optimum spacer size hasa lower hairiness index.
- P/V blended yarn spun with softer cots and optimum spacer size and lighter weight traveller have higher RKM and elongation.

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CHERRY-PICKING THE DRIVING FACTORS OF PLANNED FASHION OBSOLESCENCE

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Reena Susan Philip, Aswathi Mary Anian, Post-Graduate Research Scholar
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I Dr Anand Shankar Raja M, would strongly say that fashion shows across the world are just amazing! It creates a lot of opportunities for the upcoming (Booming Fashion Entrepreneurs). In this context, BFE Booming Fashion Entrepreneurs are those fashion and textile enthusiastic experts who have zeal and passion to bring new fashion trends in the market creating an illusion in the minds of fashion and textile enthusiastic consumers. Sustainable brands are preferred by people across the world and this is supported by the facts published by McKinsey in the state of fashion report mentioning that 66% of the world consumers prefer viable brands (NETWORK, 2019). Fashion keeps changing! It is never a constant force and hence it is an erratic concept which needs new varieties of exploration to understand the consumer behaviour if not, the marketer fail!. With the advent of information technology and Omni Channel marketing fashion brands are popularized across the world through e-commerce and its vast supply and distribution strategies (Drew & Sinclair, 2014). People do imitate fashion! Yes, it has to be imitated so that the marketers are successful in the market and it is a human tendency. New movies, television series, fashion books, magazines, fashion shows, iconic trends are all imitated for a reason and few heroes and heroine who have the extream fashion sense are considered to fashion God and so "Marilyn Monroe" (Porter, 2010), (McAndrew, 2012). The red carpet walk at the Grammys is to be quoted where a few were fashion God's and a few were fashion spoilers which went very viral across the world through social media and other information channels.


Dr Anand Shankar Raja M

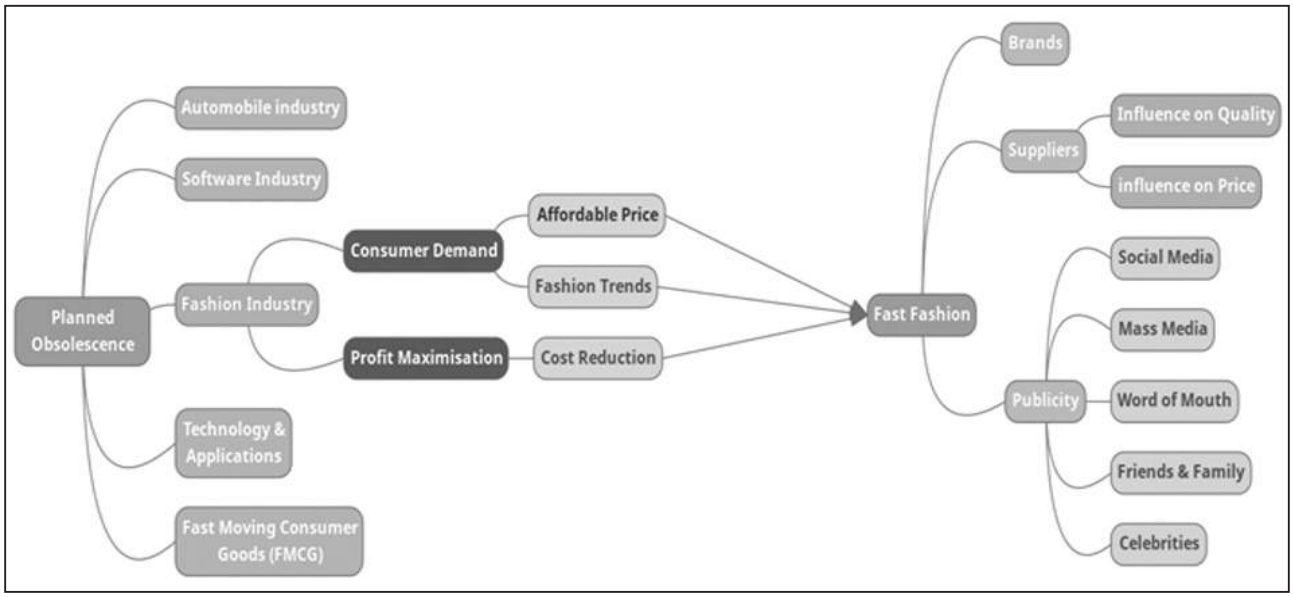
I Reena Susan Philip would say that fashion in a way is neoclassical harmonizing anthropological factors and it differs in every region of the world. Some individuals create fashion which becomes neoclassical (which turns to be a classical style) and the best example is the dusky queen of Egypt the great Cleopatra to the eccentric Lady Gaga have left their mark in the industry (Distad, 2018). So what is all about? Is fast fashion good or bad?. I think the western countries have witnessed the extreme of fast fashion and its impact where few countries like India where fashion though exists! People still prefer a constant wardrobe because Indians are wrapped by textiles weaved with cultural sensitivity and aesthetics. A land of culture and tradition in India where fashion does exist and has also grown in leaps and bounds creating remarkable profits for the fashion experts, business units, textile traders but more confined with culture creating individual identity (Yuksel, 2012). The handwoven Banarasi silk saree is a must preferred textile by every Indian woman who enjoys the finest texture of artworks is driven by culture. Hindu temple architecture in the Pallu of a saree is prestige and sense of South Indian belongingness for a Tamilian bride. The Kasavu Saree From Kerala shows the simplicity and elegance of Keralite women and these are all the various factors which restrict consumers in preferring the fast fashion trends. Planned obsolescence yes exists in the fashion industry also and there is a need to explore about it in-depth. Planned obsolescence is a practice widely adopted by several industries, especially those concerned with Automobiles, Software, Fashion, Technology & Applications, and Fast Moving Consumer Goods (FMCG). This article focuses on Planned Obsolescence in the Fashion Industry. The mass demand from consumers for trendy clothes at affordable prices as well, as the need to maximize profits by the fashion industry, led them to indulge in cost reduction. All these factors led to the emergence of the phenomenon


Reena Susan Philip

of fast fashion. The different elements, which contribute to the growth of Fast Fashion, are brands, which emerged to meet the growing demand, suppliers who influenced price and quality and promotional activities through social media, mass media, and word of mouth, the influence of family, friends & celebrities. The mind mapping chart shows variable dispersion from the two broad themes "Planned obsolescence" and "Fast Fashion".

Mind map

Obsolescence in fashion or fast fashion is a term used to describe the rapidly changing trends in garments, jewellery, accessories, etc. before it gets old-fashioned and before the consumers are attracted by the trends adopted by other



competitors. Fast fashion is mainly targeted towards the teenage – adolescent market that always wants to stay trendy and values their individualism. The fast-fashion market offers them with wide collections of styles at affordable prices which is just what the teenager market looks for. While we always look at the negative side of fast fashion such as how it contributes to environmental pollution and produces a lot of waste in the environment, we should also look at the bright side of this concept. Fast fashion helps in bridging the gap between the high-income groups and the low-income groups. It acts as a camouflage of the social status between people (Martinez, 2017). A possible explanation could be that because it helps bring the latest ramp styles at affordable prices to consumers who cannot afford the designer clothes. It builds confidence and gives a sense of individualism to the consumers and helps them to interact with anyone irrespective of their social class. Since they pay a low price for the clothes they buy from such fast fashion stores, it will not be hard for them to say goodbye to those clothes when the trend changes and they have to buy new ones to stay fashionable.

Repeat purchase will de-motivate the consumers in the long run and hence planned obsolescence is the only solution?

I Aswathy Mary Anian would say that consumers tend to prefer buying the same fashion brands, although there are other options available, due to their familiarity with it and loyalty towards it. However, after a certain point, if the fashion brand does not undergo any change whatsoever, it would appear that its consumption becomes wearisome or boring. To keep the textiles interesting for consumers, businesses will have to end the life of its old creation and develop something new. The change that is brought about might range from a minor alteration to a complete redesign. Whatever the


Aswathy Mary Anian

CHERRY-PICKING THE DRIVING FACTORS OF PLANNED FASHION OBSOLESCENCE

case may be business houses will have to plan the obsolescence of their existing items and develop new ones after careful research. Businesses also have the option to direct consumers to other existing products of their own instead of new ones. These are to be done to keep the consumers engrossed in their brand's product. There is a good probability that if corporates do not intentionally outdated their goods, and instead continue with the existing goods as it is, then consumers will move to other brands to seek something new, different and exciting. To prevent their clients from straying, businesses need to undertake either of the above-mentioned strategies. Therefore, such planned obsolescence seems to be the only solution to keep up the appeal of the goods.

Concluding remarks

Planned obsolescence in fashion is known as Fast Fashion. Fast fashion is a term used to describe the rapidly changing trends in garments, jewellery, accessories, etc. before it gets old-fashioned and before the consumers are attracted by the trends adopted by other competitors. While for many years, consumers weren't aware of the drawbacks of the fast fashion industry, it was brought into light in 2013 when many garment workers died when a factory in Bangladesh collapsed (Labowitz, 2017). Many of the Fast fashion brands were held responsible for relying on cheap labour and making workers work in such poor conditions. Although fast fashion adds to natural contamination and creates a ton of waste in the earth, it helps in crossing over any barrier between the high-income groups and the low-income groups. It goes about as a disguise of the economic well-being of individuals. Sustainable Fashion is a concept which is gaining popularity among businesses as well as consumers. With the growing drawbacks of fast fashion, manufacturers should give more priority to producing clothes more sustainably by giving back more to the society than taking from it. The company would have to invest more in such cases but it should be seen as an investment than a loss that the company incurs. It is when the well-being of the citizens is made the priority that a country attains economic development. Therefore, businesses, as well as consumers, have to find ways to replace fast fashion with sustainable fashion.

Variable matrix associated with factors associated with Fashion obsolescence	Count
Brand website mentioning fashion information	1
Competition between fashion brands	8
Consumer Attitudes towards a new fashion	25
Need Recognition is always there with new fashion	1
Psychographics attracts us to buy new clothes which we see	1
Self-Esteem enhances when we dress up in a new fashion	2
Consumer Awareness about new trends in the market is quite common these days	12
Consumer behaviour, especially about fashion, cannot be understood	41
Consumer demand for new fashion is growing every day	17
Consumer expectations grow when they imitate others	4
Ease of Access of the latest trends through e-commerce	2
Environmental importance and impact has created good vibes and hence few prefer skin safe and natural fabrics	13
Ethical fashion is always a pride and more close to the culture	5
Fashion leaders are amazing popping new products and designs	4
Influence of Age, income, family about fashion has to be understood by the marketers	2
Influence of gender on fashion is something important because even men wear skirts these days! Quite shocking but they call it a freak fashion	10
Influence on young adults because of the pocket money and ease of buying options	1
Marketing Strategies	9
Mass Media	11
Catalogue Shopping	1
Television	1
Product Life Cycle	2

Note : To know the perceptions and viewpoints of various fashion entrepreneurs/experts/individuals, we had conducted survey to understand the new variables and the same is acknowledged below.

Acknowledgement

We would like to appreciate the respondents who took their time to share their opinion on the subject under study.

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4. Amrit Singh (Fashion Blogger)
5. Abirami Veerapandian (Family Business Of Textile Production)
6. Suganya Manivannan (Fashion Boutique Owner)
7. Param Mathi (Sri Central Silks Textile Shop Owner)
8. Farhan Patel (International Fashion Operations Executive- Fashion Industry)
9. Meg Luce (Strategy Designer At Business Model Inc.)
10. Anul Sareen (Senior Research Analyst- Beauty & Fashion Industry)
11. Fiona Benny (Fashion Student)
12. Juhi Jhaveri (Fashion Student)
13. Sangeet Francis James (Digital Marketing Seo)
14. Rovin George John (Regional Sales Manager At Tarsus F&E Llc Middle East)
15. Shinoj Thomad (Marketing Manager)

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Khadi becomes an inspiration from Prime Minister address

Prime Minister Narendra Modi recently attended a khadi festival in Ahmedabad and inaugurated a footbridge named Atal Bridge across the Sabarmati river connecting the eastern and western side of the city.

As part of the *Azadi ka Amrit Mahotsav*, the khadi festival is being organised to pay tribute to the fabric and its importance during the Freedom Struggle. At the event, the Prime Minister tried his hand at the charkha to spin the yarn.

The festival is being organised on the Sabarmati riverfront, with nearly 7,500 women khadi artisans from various districts of Gujarat participated. When the PM arrived at the venue, all those women were spinning the charkha simultaneously.

In his address, the PM called for using khadi products in day-to-day life to help the local industry and artisans.

According to him, khadi was made the symbol of the country's self-respect by Gandhiji during the freedom movement but post-Independence, khadi and related industries in the country were not promoted, leading to their decline.

The way khadi became the force of the freedom movement, it can also become an inspiration to make India developed and self-reliant by 2047, he said, adding that we all have to promote it to make that happen.

The PM also urged the citizens to gift khadi products during the coming festive season.

"I want to make an appeal to the people for the coming festivals, gift khadi products made in village industries. You can have clothes made of different types of fabrics. But if you give place to khadi in that, then the 'Vocal for Local' campaign will gain momentum," he said in his appeal.

Mr. Modi arrived on 13th August afternoon on a two-day visit to his home state Gujarat that goes to the Assembly election in December.

During his two-day visit to the home State, he took part in a host of programmes and inaugurate or lay the foundation-stone of multiple projects in Kutch and Gandhinagar.

In Kutch, he inaugurated a *Smriti Van* that celebrates the spirit of resilience shown by people following the 2001 earthquake in Gujarat. He also held a roadshow in Kutch. ■

ULTRA VIOLET PROTECTION OF FABRICS

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1. Abstract

Ultraviolet rays constitute a very low fraction in solar but influence all living organisms and their metabolisms. These radiations can cause a range of effect from simple tanning to highly skin cancers to human being and also cause degradation of textile material known as Photo degradation, if unprotected. To protect human skin against UV radiation various type of clothing material are used with improved property by adopting different measure. Alterations in the construction parameters of fabrics with appropriate light absorbers can be employed as UV protection fabrics. The ability of textile fibers to provide UV protection varies depending upon the structure and other additives present in the fibers. This study gives an insight about how cotton fabric can be efficiently utilized for protecting human skin from the harmful ultraviolet radiations. The various influential clothing parameters, offering resistance to penetration of ultraviolet radiation through the fabrics are briefly summarized. The determinant factors of ultraviolet radiation are elaborated. The effect of ultraviolet radiations on cotton materials is discussed.

(**Key words :** Ultraviolet rays, UV protection, UPF)

2. Introduction

The sunlight is essential for life and is important for human health, as the body needs it to form Vitamin-D, enhance circulation of blood, invigorate the metabolism and improve resistance to various pathogens. At the same time, ultraviolet rays contained in sunlight pose a major stress and risk potential for the skin cancer. Dermatologists and anti-cancer organizations warn against excessive exposure of the sun and call for prevention by means of suitable clothing and sun protective textiles. This is particularly important for children and for the people who spend a lot of time outdoors in their line of work, such as construction workers, road workers or gardeners to use textile for sun protection.

The risks posed by ultraviolet radiation have become more dangerous in recent years as the whole world is suffering from all kinds of pollution. Clothing has the ability to protect the skin from incident solar radiation because the fabric from which it is made can reflect, absorb and scatter solar wavelengths. Each fabric must be tested to determine its ability to protect from solar radiation, as this cannot be known from visual observation nor calculated from descriptions of the fabric's composition and structure. To determine this so called Ultraviolet Protection Factor (UPF), special test standards and methods are required as offered by different associations. Care labeling similar to fabric and garment care labels has been developed for UV protection, and standard procedures have been established for the measurement, calculation, labeling methods and comparison of label values.

3. Materials and Methods

Woven 100% cotton fabric (plain weave),

Count : Warp=40^s, Weft=42^s

GSM : 116 gm/m^2

Testing Instruments : Tensile Tester, Bending tester, Tearing tester, Rope dyeing machine, UV light cabinet.

Chemicals : Iodine, Amylase enzyme, HCL acid, H_2O_2 and NaOH, Sodium carbonate, Sodium hexametaphosphate (sq. agent), Stabilizer, Reactive red HE8B, Salt, soda ash, Maize starch (10% paste), PVA, Emulsion softener.

Before UV light exposing and after UV light exposing on the fabric the following tests are carried out.

1. Tensile strength
2. Tearing strength
3. Bending length
4. Cover factor

3.1 Process Sequence

3.1.1 Desizing

Desizing treatment is carried out by using following recipes.

Enzyme	: 5gpl
Salt	: 10gpl
M.L.R	: 1:30
Time	: 90 min
Temperature	: 60°C
pH	: 6.5

After this process the physical properties of fabric are checked. Fabric is exposed for in UV light for 24hrs.

3.1.2 Combined Scouring And Bleaching Process

RECEIPE :

Hydrogen peroxide (50%)	: 2.5%
Sodium hydroxide	: 2.5%
Sodium Metasillicate	: 1%
Wetting agent	: 0.5%
Temperature	: 85-90°C
Time	: 90 min
MLR	: 1:30

3.1.3 Dyeing

RECEIPE :

Dye used	: Reactive dye (Red HE8B)
%Shade	: 4
Salt	: 70gpl
Soda ash	: 20gpl
Temperature	: 80-85°C
Time	: 90 min
MLR	: 1:30

3.1.4 Finishing

RECEIPE :

Maize starch (10% paste)	: 50gpl
Polyvinyl acetate (40% strength)	: 50gpl
Polyacrylamide (30% strength)	: 20gpl
Amino silicon (10% strength)	: 10gpl
Glycerine	: 2gpl
Acetic acid	: 1gpl
Water	: 913ml
Approtex	: 10gpl

3.2 Preparation of fabric samples

100% cotton fabric samples with plain weave are taken with specifications as mentioned above, and these are processed as per the sequence. The effect of UV treatment on various properties before and after chemical processing is observed.

4. Results & Discussion

4.1 Introduction

Testing of various parameters in physical properties was conducted after different stages of processing by UV light exposure.

4.2 Effect of Processing on Tensile Strength (Kgf) – Warp Way

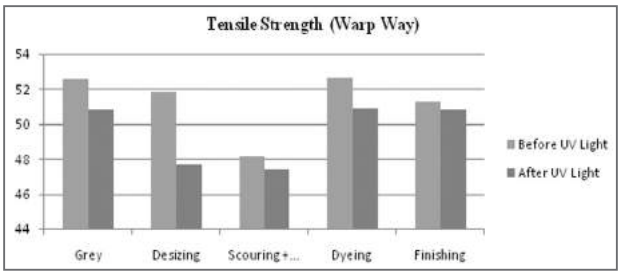

Figure No.1: Effect of processing on Tensile Strength (Kgf) – Warp Way

4.3 Effect of Processing on Tensile Strength (Kgf) – Weft Way

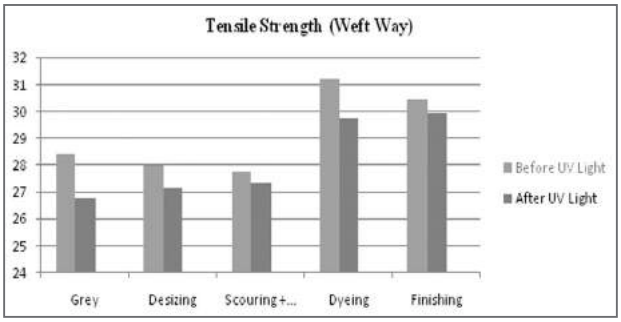

Figure No.2 : Effect of Processing on Tensile Strength (Kgf) – Weft Way

From Figure No.1,2 it is clear that, tensile strength of grey fabric is more due to parallel & straight alignment of the yarns as well the size present on warp yarn. After desizing the strength of the warp and weft yarn decreases due to swelling of fibers and the tension. The strength loss is more in case of warp because of removal of size layer. The strength of UV unexposed fabric in all stages of processing is more than that of exposure for 24 hrs. Also due to prolonged exposure for 24 hrs considerable strength loss occurs. This may be because of degradation of cellulose structure in cotton; in this case the UV light which is high source of energy may attack on cellulose structure. This causes decrease in chain length of long polymeric chain in cellulose and ultimate the load bearing' capacity of polymeric chains decreases which is responsible for loosing tensile strength of fabric in both warp and weft way. In case of finishing the strength is increasing since both the yarn become coarser due to applied stiff finish. There is profound effect of irradiation time on the tensile strength.

ULTRA VIOLET PROTECTION OF FABRICS

4.4 Effect of Processing on Tearing Strength (Kgf) – Warp Way

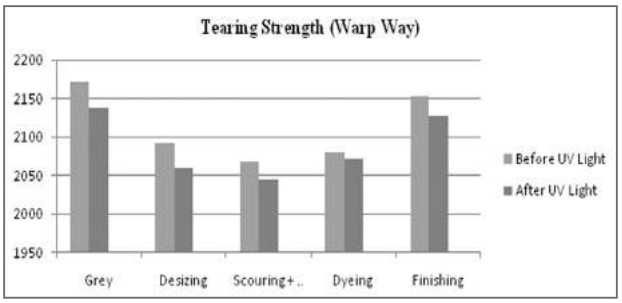

Figure No.3 : Effect of Processing on Tearing Strength (Kgf) – Warp Way

4.5 Effect of Processing on Tearing Strength (Kgf) – Weft Way

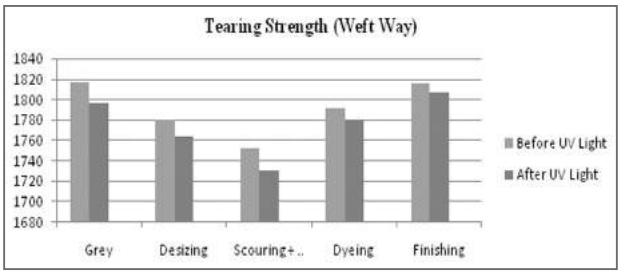

Figure No.4 : Effect of Processing on Tearing Strength (Kgf) – Weft Way

From Figure No. 3,4 it is clear that Tearing strength of grey fabric is more due to parallel & straight alignment of the yarns as well as the size present on warp yarn. After desizing the strength of the warp and weft yarn decreases due to swelling of fibers and the tension. The strength loss is more in case of warp because of removal of size layer. The strength of UV unexposed fabric in all stages of processing is more than that of exposure for 24 hrs. Also due to prolonged exposure for 24 hrs considerable strength loss occurs. This may be because of degradation of cellulose structure in cotton, in this case the UV light which is high source of energy may attack on Glycosidic unit of cellulose. This causes decrease in chain length of long polymeric chain in cellulose and ultimate the load bearing capacity of polymeric chains decreases which effects in lose in tensile strength of fabric in both warp and weft way. After the application of stiff finish there is noticeable increase in tearing strength of the fabric which causes increase in cover factor. Also more loads are required to break down the thin film formed on the surface of fabric.

4.6 Effect of processing on Ultraviolet Protection Factor (UPF)

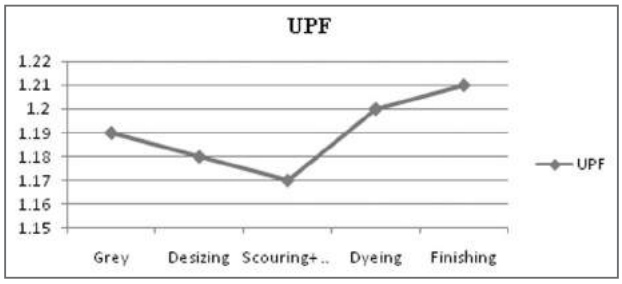

Figure No.5 : Effect of processing on UPF

From Fig No. 5, it can be said that the UPF of grey fabric is more because It contains size which consist of OBA & natural impurities like pectins, lignin & wax. The weave construction of fabric is the main factor that affects the transmission of UV radiation. The tighter is the weave greater is the protection given by fabric. After desizing and combined scouring bleaching, the UPF decreases since direct exposure of yarns due to removal of size. UV transparency of grey is lower than bleached fabric due to UV absorption by natural impurities present in it. In case of dyeing the shade percentage on the fabrics also affects significantly on UV protection. Depending on the chemical structure of dye the adsorption band of dyes extend into UV spectral region. Such dyes act as UV absorbers and the UPF increase with increasing depth of dyeing. After dyeing the fabric with reactivate dye color, the UPF increases because the dye particle absorbs UV rays. Finish applied on fabric gives higher UPF compared to other processes. The thin size film on yarns acts as UV absorber and gives good protection against UV rays.

5. Conclusions

UV radiation causes degradation of textile materials, due to excitations in some parts of the polymer molecule and a gradual loss of integrity. Sun protective woven fabric with higher cover factor gives higher UPF. The ultraviolet protective factor of fabric is strongly dependent on the physical and chemical structure of the fibers. The dyes used to color textiles can have a considerable influence on their permeability to ultraviolet radiation.

The UV radiations cause loss in both tearing and tensile strength of fabric due to degradation of fiber. Elongation increases after processing and it decreases after finishing. The bending length of grey fabric is more. After processing it decreases in desizing & combined scouring bleaching. In case

of dyeing & finishing bending length is increasing simultaneously. Dyeing and finishing gives better protection against UV radiations. The finish applied on fabric acts as UV absorber giving good protection against UV rays.

It is also recommended to have fabric with high cover factor, dyed with darker shade. The results of which gives us higher UV protection.

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Cotton yarn mills planning to halt production

The rise in cotton prics, poor demand of yarn due to the apparel industry scaling down production and a growing stockpile have forced cotton yarn mills across the country to look at ceasing production recently, say industry sources.

Cotton prices have increased by over 60 per cent in August compared to the same period last year. And the apparel industry has been hit hard by the dip in exports due to the Russia-Ukraine war and the slow demand owing to the lingering effects of the Covid-19 pandemic.

The Tamil Nadu Spinning Mills Association (Tasma) has already urged its members to stop production from 22nd August and to use the existing stock to meet the orders of yarn. Sources said that other states like Gujarat, Maharashtra and Andhra Pradesh are also going for either a complete shutdown or cutting their production further by the end of this month.

"Mills are suffering losses due to the low demand of yarn and the artificially high price of cotton in the cotton market. Due to this, industry has already cut down production by 40 per cent. But there was no relief despite that, and now mills have to go for a complete stop in production," said K Venkatachalam, chief advisor, Tasma. India has the second-largest capacity in the world, after China, for spinning cotton yarn with 50 million spindles, out of which Tamil Nadu's share is around 48 per cent.

According to Arvind Kumar Raichura, managing director of Gujarat-based Balkrishna Spintex, most of the 90-odd spinning mills are running at 50 per cent capacity due to the shortage of cotton. "Cotton availability continues to be down by at least 25-30 per cent compard to the same period last year. Many mills are likely to shut down by September from if the situation does not improve," said Raichura.

Gujarat has an estimated 1.8-2 million spindles of cotton yarn spinning capacity. In addition to the rise in cotton prices, there has been a considerable drop in yarn prices over the last three months — by 16 per cent, after touching a peak of ₹450 per kg in May 2022.

This rise was from a low average price of ₹220 per kg in 2020. Apparel industry insiders say that production has been slashed to 70 per cent capacity in the last few months. "In May cotton yarn prices rose to 450 per kg. Due to this pricing, the apparel industry faced issues in confirming orders. But over the last three months yarn spinners have reduced the average price by ₹70 per kg," said M P Muthurathinam, president, Tiruppur Exporters and Manufacturer industry will naturally have an impact on supporting industries like spinning, knitting, dyeing, and so on, resulting in possible job losses. Apparel industry sources said that the dip in demand is due to Covid-related cut in orders, the Russia-Ukraine war and the decline in customer purchases, among others. ■

Call for Nomination—"India ITME Society Awards 2022"

India ITME invites community belonging to Textile Engineering Industry for nomination in awards presentation ceremony during the event from 8th to 13th December 2022 at Greater Noida, U.P.

It is my pleasure to present the 2nd edition of India ITME Society awards 2022 and invite you to submit your nominations in appropriate category for the competition.

India International Textile Machinery Exhibitions Society (India ITME Society) is a non-profit apex industry body established in 1980 to support and serve the Textile Engineering Industry through exhibitions, Events, Trade Promotion Services. India ITME Society plays a pivotal role in strengthening the domestic as well as international Textile Industry by facilitating exchange of knowledge, technology transfer & encourages Foreign Direct Investments & Joint Ventures etc. in India.

India ITME Society introduced the 1st edition to commemorate successful completion of 40 years servicing the textile & textile engineering industry in the year 2019. To know about the awards presented in 1st edition and more information on the program, please follow the link https://www.india-itme.com/reports/40-years-celebration-flipbook/

The 2nd Edition of India ITME Society awards will be presented during India ITME 2022 – The biggest textile engineering & technology event in India scheduled to take place from 8th to 13th December 2022 at India Exposition Mart Ltd, Greater Noida, U.P.

These awards are a humble attempt by the India ITME society to recognize the exceptional & significant contributions that have influenced positive change in the textile world. The aim is to give due credit to textile engineering & technology providers. This award will also aid to recognize, encourage & empower women to come forward & make their mark in the highly competitive textile engineering & technology segment.

The society also believes that the young minds of todays are the future of our Textiles, thus in order to encourage & attract more youth towards research in textiles & textile engineering, the society will also recognize innovative researchers from Technical Institutes along with their faculty.

In this 2nd Edition, we have added new categories, which are as follows :

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   ii. Spinning -Engineering & Technology Industry
   iii. Weaving & weaving preparatory -Engineering & Technology Industry
   iv. Finishing -Engineering & Technology Industry
   v. Garmenting - Engineering & Technology Industry
   vi. Printing – Engineering & Technology Industry
   vii. Accessories for Textiles - Engineering & Technology Industry
   viii. Technical Textiles - Engineering & Technology Industry
2. **Category 2 - Award for - Best Innovative Technology for Pollution Control**
3. **Category 3 -Women Leadership Award in Textile & Textile Engineering** (for Individual)
4. **Category 4 -Award for Research Excellence** (Student/ Student + Faculty / Student + Faculty+ Institute / Individual or team)

Please click here https://forms.gle/yyA6qefKKsUEjGdE8 to submit your application. You can submit the application for multiple Categories. Please feel free to contact us in case of any queries at itme@india-itme.com The last date for submission of application is 15th September 2022.

I look forward to your nomination across the suitable categories & wish you the best in your successful journey in Textile industry of our great nation

From the Desk of
Seema Srivastava, Executive Director
India ITME Society
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World Textile – Redefining Strategy

Textiles over thousands of year have been playing a major positive role in the growth of civilization. Wool, Flax and a few other natural fibers took the initiative that was eventually taken over by Cotton. Till 12th Century, India led the path of development of cotton cualtivation, textile manufacturing and product development of cotton cultivation, textile manufacturing and product development. Egypt, China, Peru and others followed India. In the 16th Century Cotton turned out to be the most important item in world trade. Historians observed "In shaping markets and serving fashion, Indian cotton prepared global consumer markets for the modern industrial age".

The first step in Strategy formulation challenging the then leadership came from Britian through the 19th century Industrial revolution. For more than two centuries, textile manufacturing and fashion shifted towards the western world led by Europe and USA. Population growth and availability of raw material took center stage in redefining strategy which happened through development of man-made fibers primarily through commercial emergence of cellulosics.

Two consecutive world wars and particularly World War II brought in radical changes in the product needs and in turn the technology. Man-made Synthetics emerged with the advent of Polyamide followed by Polyester, Acrylics, Polypropylene etc. In the beginning of the 1970s, Polyester took the lead in the global fiber consumption scenario. Thanks to growth in population, limitations of natural raw materials pushed the development to the third stage o defining strategy. The reuse of fibers, and garments through recycling played an important role in the circular economy with the intent of containing the growing population needs.

Over the ages, continued defining and redefining of strategy lead to massive growth of Industry giving birth to new raw material, technology, and novel applications. Computer science and lately Artificial intelligence made all the strategic decisions sustainable and highly pervasive.

Commemorating the 75th year of Indian Independence, The Textile Association India's proposed World Textile Conference (3) attempts to address key strategic changes in manufacturing, marketing, trade, policies & research to redefine the strategy & pathway for Industry to be future ready. The two day "Hybrid" event to connect with the audience globally will have major participation from Industry & Technology leaders, Trade & Industry Associations, Education & Financial Institutions, Policy Markers, Researchers and Economists worldwide.

Key Topics for Deliberation :

- New World Order in Textile & Apparel Industry
- Digital Revolution Driving Sustainability
- Denims Beyond 2025
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- Technology & Product Development across Textile Value Chain
- Startup Opportunities & Financial Ecosystem
- Cotton Vs MMF or Cotton & MMF-Pathway to Economic Leadership
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About the Textile Association (India)

TAI is the foremost leading and largest Nonprofit making National Professional and Technocrates body in the country having more than 25000 strong memberships of 26 affiliated units at various textile centres in the country. TAI has more than 8 decades of service to the industry to its ceredit. It has been providing guidance and services of various kinds to the Textile Industry. TAI organizes various National and International Textile Conferences & other activities and also conducts distance textile ATM/GMTA Exams annually.

The Textile Association (India) has been publishing a prestigious bi-monthly peer reviewed technical Journal of the Textile Association since 1940. Journal is devoted to articles and papers of practical interest to technicians of all segments of the textile industry which reaches to around 4600 textile professionals directly and has a readership of more than 23000 readers. Journal of the Textile Association is available online as an e-journal. Journal is being circulated to almost key decision makers in the textile industry across the textile, Apparel & Fashion sectors. Textile Educational and

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Reserch Institutes. To add value to our activities, the Textile Association (India) has also launched the website www.textile assocationindia.org.

Diagonal Consulting (India)

Diagonal Consulting (India), A leading Strategic & Management Consulting firm specializes in Textile & Apparel Industry. Headed by Dr. P. R. Roy, a PhD from University of Manchester and the Former Group CEO of Arvind Mills Ltd. The Firm and its associates integrate a renge of expert knowledge through its wide experience and alliances globally. Some of the key services offered include Market Research, Project and Technology Management, Strategic Partnerships, Business Development and Organizing International Events.

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Textile Ministry to mandate BIS certificate to curb import of sub-standard VSF

To check the import of low-quality Viscose Staple Fibre (VSF) — a man-made, bio-degradable fibre used for manufacturing various textiles — the Textiles Ministry is planning to make the BIS standards for the item mandatory by issuing a Quality Control Order (QCO) and imposing it on imports as well.

The Department of Commerce, following a communication from the Textile Ministry, has notified the draft VSF QCO 2022 at the World Trade Organisation on 25th August, seeking comments of interested member countries within sixty days.

The government's attempt to check the quality of imported VSF (by drafting a QCO) comes just a year after antidumping duties on import of VSF from China and Indonesia were revoked to make the domestic user industry, including manufacturers of garments and yarn, more competitive. Domestic production of VSF is mostly done by Grasim Industries, the dominant producer of the fibre in the country.

A draft QCO for VSF has been formulated by the Ministry after consultations with industry bodies, including Synthetic & Rayon Textiles Export Promotion Council and Confederation of Indian Textile Industry, as per the Textile Ministry's communication to the Department of Commerce.

"There is an urgent need to make them applicable on imports which will restrict imports of sub-standard VSF products by mandating the BIS Certification with BIS VSE Standard," the communication added.

The draft QCO has been duly revised, and the Legislative Department, Ministry of Law and Justice have also vetted the draft QCO and found it formally in order, it said.

As per the QCO, VSF should bear the standard mark under a licence from the Bureau of Indian Standards (BIS). The BIS shall be certifying and enforcing authority for VSF and, in addition, an officer not below the rank of Assistant Director, Textiles Committee, Ministry of Textiles, shall also be the enforcing authority.

The QCO shall not apply to VSF meant for export, which conform to the specification required by the foreign buyer, the draft points out. The order will come into force 180 days after its adoption.

More than 450 products are under the ambit of mandatory certification, per data shared by the government. Consumer products under mandatory certification include toys, cement, electric, iron, electric immersion water heater, domestic food mixer, switches, helmets, domestic pressure cookers and automotive tyres.

Several consumer electronic products are also under the ambit of compulsory certification such as mobile phones, laptops, TV, power adapters, power banks and digital camera. ❐

Textile Ecosystem can touch $250b in 5-7 yrs

Textile minister Piyush Goyal recently said India's textile ecosystem can reach $250 billion in the next 5-7 years and help it become a developed economy.

At the Asian Textile Conference (ATEXCON) organised by the Confederation of Indian Textile Industry, he also asked industry to make best use of the free trade agreement (FTA) India is entering into.

"We can have at least a quarter of trillion textile ecosystem in India in the next 5-7 years and become a developed nation," Goyal said, and asked textile industry to expand to $100 billion business at the earliest.

"FTAs with the developed world is the agenda of the government. I hope you will study our FTAs and make their best use, enjoy the fruits of that," Goyal said.

The minister stated that unless there is a significant ramp up of India's exports to these areas, "we won't get the satisfaction that we're doing the right thing".

"You get market access for labour intensive sectors such as textiles, leather, sportswear but for that we will also be sacrificing or opening our markets," Goyal said.

He emphasised on greater and visible outcome from the textile sector. Referring to the memorandum of understanding (MoU) that CITI and Egyptian Cotton signed, Goyal said

: "Digitisation will play an important role in traceability. We have had some issues with Egypt in the recent past. I hope the new MoU you're doing, we can cross that hub and reduce the trust deficit typically between two friendly nations."

He suggested that the industry should think about high quality products and elementary products like zip and embellishments which are being imported. ❐

Textile industry confused over 'Abnormal' trend in domestic cotton futures

The behaviour of cotton futures on the Multi Commodity Exchange of India (MCX) has surprised textile industry players with a section of them expressing concern over the developments.

The trade, in particular, is concerned over the huge difference between August, October, November and December futures, especially the huge premium for the near-term contract.

According to MCX data, August cotton contracts on MCX are currently ruling at ₹48,600 a bale (170 kg) or ₹1.01 lakh per candy of 356 kg. October contracts are quoted at ₹39,250 a bale (₹65,450 a candy), November contracts at ₹34,300 (₹71,828) and December at ₹32,600 (₹68,268). This means there is a difference of ₹35,000 between August and October futures, ₹30,000 between August and November futures and ₹32,000 between August and December futures.

"I have never seen such a huge rate difference in my life. The ₹30,000 difference between August and November month is hard to believe. Also, the open interest in MCX is only 30,000 bales for the August contract with stocks in the exchange's godown only 3,000 bales," said Atul Ganatra, President, Cotton Association of India (CAI)-a body of cotton traders.

Intercontinental Exchange (ICE), New York, October cotton futures are currently quoted at 103.99 US cents a pound (₹65,405 a candy) and December futures at 98.51 cents (₹61,908). MCX spot cotton price as of August 8 was ₹94,067, while spot prices in Gujarat for benchmark Shankar-6 cotton is currently ₹95,000.

"If you take into account the ICE benchmark futures in July and MCX cotton August futures, there is about 60 per cent premium for Indian cotton prices. International yarn buyers are quoting ICE July rates for importing from India," Ganatra said.

It is only recently that Indian cotton is being sold at a premium to New York ICE cotton. At least during eight of the past 10 years, Indian cotton was sold at discount, he said.

"Current artificially high cotton prices in India are playing their own damaging role already in our export competitiveness across all products starting from yarn, fabric, home textiles to apparel," said Prabhu Dhamodharan, Convenor of Coimbatore-based Indian Texpreneurs Federation (ITF).

MCX hikes margin

"The problem is that this is a record high difference between these two exchanges — MCX and ICE," said the CAI President.

"On MCX, huge speculation is going on. The futures need not result in delivery. So, every buyer or seller is playing a role in pushing up the prices," said Anand Popat, Rajkot-based cotton, yarn and cotton waste trader.

Ganatra said as the textile industry and spinning mills have to buy cotton based on the MCX rates but sell yarn in the export market based on ICE futures, they are forced to incur huge losses.

Dhamodharan said the development comes at a time when the textile industry is undergoing a painful trend with low utilisation levels combined with operational losses.

On MCX's part, it has raised the margin for the August contract to 11 per cent from 6 per cent from August 8. It has narrowed the daily price limit for the August contracts in cotton to 2 per cent. ❐

Dive into children's wear paying dividends : Page

Page Industries said foraying into the children's wear segment through exclusive womenswear stores was a smart thing to do.

"Our strategy of introducing kids wear across exclusive womenswear stores has shown good results and we are confident of making inroads into this nascent and fast-growing segment," MD V.S. Ganesh said.

Page is the exclusive licensee of Jockey International Inc. (USA) for the manufacture, distribution and marketing of the Jockey brand in

EXPORT PROSPECTS AND MARKETS

India, Sri Lanka, Bangladesh, Nepal, Oman, Qatar, Maldives, Bhutan and the UAE. Tier 2 and 3 centres were also becoming important marketplaces for given increased awareness of healthy lifestyles and availability of quality, functional innerwear and atheleisure wear.

The firm had posted a multi-fold rise in net profit to ₹207 crore and an almost threefold growth in revenue to ₹13,41.3 crore in Q1FY23.

"Riding on the back of strong sales performance and robust financial planning, despite external challenges, we have successfully delivered yet another milestone performance this quarter," Mr. Ganesh said. ❐

Exports rose 2% in July, imports jumped 44%

India's goods exports grew 2.1% in July to $36.27 billion while imports jumped 43.6% to $66.27 billion, as per quick estimates from the Commerce and Industry Ministry that raised the export figure by about $1 billion compared with the preliminary data released recently.

Consequently, India's merchandise trade deficit moderated from an earlier estimate of $31.02 billion to $30 billion, still an all-time high deficit in a month.

The merchandise trade deficit for the first four months of 2022-23 is now estimated at $98.99 billion as against $42.07 billion in the same period last year, reflecting at 135.3% rise. July marks the third successive month where India's goods trade deficit has breached previous records.

The upward change in outbound shipments' estimates, which had earlier indicated a 0.8% contraction year-on-year, seemed to stem largely from petroleum products exports that increased 9.2% to cross $6.3 billion. They were earlier reckoned to have dipped 7.07% in July.

Sectors such as handicrafts and cotton yarn saw a decline in exports compared with July 2021. Gold imports fell 43.6% to $2.37 billion but coal imports soared 164.4% to $5.18 billion. Petroleum imports grew 70.4% to $21.13 billion. ❐

Export likely to be $470-480 bn in FY23 : commerce secretary

India's merchandise exports are likely to be around $470-480 billion in the current fiscal against $420 billion in 2021-22, Commerce Secretary B V R Subrahamanyam said recently.

The secretary also said the trade deficit, which crossed $100 billion in the first four months of the current fiscal, will not cross the "discomfort level".

Talking to reporters, Subrahmanyam said the merchandise trade during 2022-23 will be $470-480 billion and the services sector is likely to contribute another 280 billion.

"We are pretty much on track," he said, adding the exact target for the fiscal may be announced later. India's overall exports (merchandise and services) touched an all-time high of $669.65 billion in April-March 2021-22, up 34.50 per cent over the same period last year. ❐

Exports from job-intensive sectors decelerating

Amid Mounting Concerns about an economic slowdown in India's top export markets, the country has another reason to worry about. Growth of exports from key labour-intensive sectors has been decelerating at a faster pace than that of overall goods despatches.

Exports from the job-sensitive sectors rose 15.7% on year in the June quarter to $37.6 billion, compared with a 26.8% jump in the overall merchandise exports to $121.2 billion. Consequently, the share of such sectors in merchandise exports dropped to just 31.1% in the first quarter this fiscal from 34.1% a year before. Despite an export resurgence in FY22, the share of such sectors in total outbound shipment of goods shrank to 33.3% from 36.2% in FY21, according to an FE analysis, based on the official data.

In fact, their share in merchandise exports has been steadily declining in recent years—it was 37.8% in FY19 and 36.5% in FY20. These sectors include textiles & garments, farm, plantation, marine, gems & jewellery, leather, stone, cement, ceramic, glass and glassware, and some other allied

segments. This slowdown also partly explains why not enough jobs are being perceived to have been created in recent years.

This trend may accentuate in the current fiscal, with key markets — the US, the EU and China — already gripped by slowdown fears, while supplyside woes in the wake of the Ukraine war are yet to dissipate substantially.

More importantly, given that most exporters in the labour-intensive sectors are small and medium enterprises with limited financial muscle, they are more vulnerable to currency volatility and inadequate financing than larger companies.

The pandemic, arguably, hit these small units harder, severely undermining their ability to supply goods and services. Similarly, any sudden spurt in input costs hit them hard, as they struggle to pass on the rise in costs to end-customers, especially in times of subdued demand. Moreover, domestic supply bottlenecks, including elevated logistics costs, crimp their ability to ship out. Importantly, most of these factors come into play this year.

Although a weak rupee is expected to offer some cushion to all exporters, a slowdown in over flow and depreciation of the currencies of India's competitors in the export market will blunt the advantage for New Delhi. A ban on wheat exports, tight regulation of shipment of wheat flours, cap on sugar despatches and non-availability of cotton at reasonable rates for months for the textile industry are weighing on export prospects. The move to raise the import duty on gold to 15% from 10.75% to curb current account deficit has driven up costs of jewellery exporters.

More importantly, thanks to the usual structural issues — elevated expenses on logistics (as much as 15-16% of consignment value, according to industry executives) and higher costs of raw materials and labour — India has been beaten by countries like Bangladesh and Vietnam in segments where China has been trimming its dominant exposure.

The International Monetary Fund (IMF) in July pared down its forecasts of world trade volume growth for 2022 by 90 basis points from its April projection to 4.1%; for 2023, it's cut by 1.2 percentage points to just 3.2%. This will also weigh on the trade prospects of India, which witnessed an export resurgence in FY22. ❐

Aug goods exports flat but trade deficit widens imports rise

India's goods exports declined in August by 1.15 per cent (year-on-year) to $33 billion, with a dip in shipments of engineering goods, textiles, and gems and jewellery, as exporters grappled with disruptions caused by the weak global demand, rising interest rates in key economies, and the Ukraine conflict.

A sharp jump in purchases of petroleum products, coal and coke, and chemicals increased goods imports in August by 36.78 per cent to $61.68 billion.

This more than doubled the trade deficit to $28.68 billion, per preliminary trade data shared by the Commerce Department on recently.

"We are being buffeted by strong winds globally. We have the disruptions because of Ukraine and Russia. You are aware of the high interest rates. You are award of the actions being taken by various centrla banks," Commerce Secretary BVR Subhrahmanyam said at a press birefing.

Yet, the silver lining is that India's exports are holding ground, the Secretary said. In the April-August 2022 period, India's goods exports increased 17.12 per cent to $192.59 billion.

Despite the slowdown in exports over the past few months, the Commerce Department estimates that exports in FY23 would be $450 billion — up from $421 billion in 2021-22.

"Based on current trend and after detailed analysis, on a conservative basis, India's exports this year will cross $750 billion. Of this, services exports will be $300 billion, while goods exports will be $450 billion. Our own internal target for goods exports is $470 billion," he said.

Exporters are worried about the looming uncertainty in the global market. "It is likely to hit especially MSMEs, which have been grappling with back-to-back challenges such as the Covid crisis and the subsequent spike in raw material prices," said Mahesh Desai, Chairman, EEPC India.

A decline in demand from China is another area of concern, he added. India's exports to China in April-August fell about 35 per cent to $6.8 billion, while imports increased 45.64 per cent to $317.81 billion with the trade deficit more than doubling to $125.22 billion. ■

ITAMMA's strategy during Texfair 2022 at Coimbatore registered a record winning enrolment of New Members

We at ITAMMA, take pride in being closely associated with SIMA, and appreciate the remarkable progress made in the Texfair exhibitions, both in its arrangements and it's response through increase in footfalls. And so we are confident that this event has given a platform to the exhibitors to know the exact requirement of the users and further strengthen their understandings.

Considering this environment during the Texfair exhibition for ease of doing business, ITAMMA prepared its strategy with a focus on interaction with the Entrepreneurs/ Enterprises from the Textile Supply Industry to explain them about the proactive involvement of ITAMMA with it's various activities/schemes for the development of Textile Engineering Industry.

ITAMMA's participation in the "Additive Manufacturing Congress" organized by EM-Efficient Manufacturing magazine group on June 21, 2022 at Hotel as the Supporting Association

Many ITAMMA members got an opportunity to know the latest technological developments taken place in the field of "3D-Technology" from the Stalwards of the Industry.

Mr Purvik Panchal, President, ITAMMA delivering Technical Presentations on Textile Trends after COVID-19 during Seminar on Additive Manufacturing Congress organized by EM-Efficient Manufacturing magazine group on June 21, 2022 at Hotel Gokulam Park, Coimbatore

Mr Purvik Panchal, President of ITAMMA, delivered his Key-Note Address on "Textile Trends After COVID-19". Where he mentioned that the benefits of additive manufacturing on supply chains takes many forms. It reduces material waste, simplifies production processes, and the on-demand production offered by additive manufacturing improves supply chain flexibility because the finished product can be manufactured in proximity to the end-user.

Mr Purvik Panchal, President, ITAMMA was felicitated by the Organizer, EM-Efficient Manufacturing magazine group

The application of additive manufacturing, well known as 3D printing, in textile industry is not more totally new. It is giving significant increase of the product variety, production stages reduction, widens the application areas of textiles, customization of design and properties of products according to the type of applications requirement

Mr N D Mhatre, Director General (Tech), ITAMMA giving Opening Remarks

The advancing technical possibilities in 3D printing and 3D scanning make developments possible that will revolutionize production and trade in the fashion and textile industry. Clothing and shoes will soon be coming out of the 3D printer in an individualized way, new possibilities will open up for functional textiles, and 4D printing will take the 3D process to a new level with fascinating applications.

In the production of technical textiles, the main focus is on functional properties. For textile companies, 3D printing processes open up possibilities that cannot be realized with conventional processes. Elements such as plug-in connections can be applied directly to textile

surfaces using 3D printing. In this way, textiles are created that integrate functionalities right from the start.

Mr Ajay Shah, Managing Committee Member of ITAMMA welcoming Mr with a flower bouquet

However, the use of 3D printers in the production of textiles is extremely complex, as plastic filaments are not used as usual.

Possible applications include tailor-made components made of narrow textiles and plastics for technical applications, the application of 3D structural elements for textile sun and noise protection, sportswear and the application of adapted mould reinforcements for protective and functional clothing.

Mr Bhavesh Patel, Hon Treasurer, ITAMMA welcomes....with a flower bouquet

By using 3D printing in production, the textile industry can not only functionally optimize its products right from the start, but production steps such as cutting, sewing or gluing functional components to a textile can even be saved in this way.

For 4D biometric printing, the researchers use a special hydrogel that contains cellulose fibres and transforms into an appropriate form upon contact with liquid. Areas in which the hydrogel could be used range from biomedicine and robotics to textile production and electronics.

Mr Purvik Panchal, President, ITAMMA delivered Welcome Speech

The digitalization of the textile industry and further development of 3D/4D technology is leading to a strong change in the industry. In the near future, tailor-made products will become realistic for consumers, production will be replaced by flexible production facilities at the point of sale and innovative applications for functional and smart textiles will be developed. The environment also benefits from the elimination of transport routes and textile waste generated during production.

Guest Speaker Dr. L. Ashok Kumar, professor, department of electrical and electronics engineering, PSG College of Technology, Coimbatore delivered presentations on ' Energy Efficiency" delivered his prentations on Energy Efficiency

With the help of Make in India drive, followed by ATMA Nirbhar Bharat and well supported by Vocal for Local, India is on the path of becoming the hub for hi-tech manufacturing. Whereby global giants have either set up or are in process of setting up manufacturing plants in India, thus many textile machine companies in the country are joining hands with their western counterparts to produce technologically advanced machines.

Today's Seminar subject of "3D printing technology" will be playing a very vital role in the changing trends of Man-Made Textiles, not only

ITAMMA's strategy during Texfair 2022 at Coimbatore registered a record winning enrolment of New Members

in the stream of Fashion designing but also in the Safety Textiles and its machineries. This Technology offers enormous opportunities in production, design and performance.

Mr Purvik Panchal, President, ITAMMA offered Memento to Guest Speaker Dr. L. Ashok Kumar, professor, department of electrical and electronics engineering, PSG College of Technology

ITAMMA invited MoU Partners as Guest Speakers for the Seminar on " Trends in Textile Industry after COVID-19" at Jenny Club, Coimbatore on 25th June 22 which was attended by more than 78 delegates

Guest Speaker Dr. B. Vinod, Head-Robotics and Automation Engineering PSG College of Technology Coimbatore delivered presentations on " Low-Cost Innovations in/for Textile Industry

The Seminar was organized with an objective to connect ITAMMA Members as Industry Stake-Holders, Stalwarts and Scientists of PSG College of Technology as Knowledge Partner and ITAMMA as Industry Association facilitator and explore Technical Project Proposals, (joint Projects in the subject of Low-cost Innovations and Energy Saving aspects) which can be jointly submitted to the Government Bodies like MHI, PCRA, DST, etc for funding under various schemes.

Mr Purvik Panchal, President of ITAMMA, delivered his Welcome Speech where he mentioned that "Covid 19 / Corona Virus made our life fearful, but there is always a spark of light in the dark environment. India being an opportunist country and Jugad based economy, Indian has flourished in the difficult situation, and we are 2nd highest supplier of PPE kits in the world during this difficult period. In a short span of time, Indian has transferred operation from conventional garment

Mr Purvik Panchal, President, ITAMMA offering a Memento to Guest Speaker Dr. B. Vinod, Head-Robotics and Automation Engineering PSG College of Technology Coimbatore

/ fabric units to PPE kits units. India has always proved to be in the front when it calls for low cost innovations, whereby an appreciation needs to be recorded for those ITAMMA members who has developed the mask making and automatic sanitizer disposal machines and disinfection chambers during the crucial and challenging Lockdown period.

Mr J M Balaji, Chairman, Events & Publications Sub-Committee, ITAMMA delivering Special Remarks

Its noteworthy to mention that the demand for man-made fibre (MMF) textiles all over the world is increasing as a substitute for cotton amid changes in global fashion trends. Currently MMF dominates global textile fibre consumption with 72: 28 ratio i.e., MMF 72% and 28% is Natural fibre.

ITAMMA's strategy during Texfair 2022 at Coimbatore registered a record winning enrolment of New Members

At the same time the demand for Artificial Textile Machinery is also increasing with a total trade of $887M. Looking at the Global scenario, Indian Govt. is also promoting man-made fibres and thus it is an alarm as well as opportunity to Indian Textile Machinery Manufacturers for the development of machines especially for the processing of these fibres.

Vote of thanks by Mr Sundar Raj, Member of Managing Committee, ITAMMA

Also it is very important to note that in 2020, Artificial Textile Machinery were the world's 916th most traded product, with a total trade of $887M. Whereby the top exporters of Artificial Textile Machinery were Germany ($362M), China ($239M), Japan ($91.1M), Italy ($86M), and United States ($34.4M). While top importers were China ($303M), Turkey ($123M), Japan ($72.8M), Vietnam ($43.8M), and Russia ($42.4M).

A ~$2.5 bn textile machine industry which is growing at 5% currently reflects on the growing strength of this sub-segment in the textiles value chain in India.

Looking at the Global scenario, Indian Govt. is also promoting man-made fibres and thus it is an alarm as well as opportunity to Textile Machinery Manufacturers for the development of machines especially for the processing of these fibres. ITAMMA is also helping its members to work on different Basic and Applied R & D Projects in accordance with schemes of Govt. Bodies viz., MOT, MHI, MSME, DST, etc.

The other Technical Presentations were made on

- Reduction of energy consumption in the production process of textile industry using Smart Energy IoT Meter with Energy Management Systems.
- Techniques for Implementing Predictive Analytics, Deep learning and Machine learning in Textile Machineries
- Importance of Wearable Electronic Products and avenues for Indian Textile Machinery manufactures in this business

By Dr. L. Ashok Kumar, professor, department of electrical and electronics engineering, PSG College of Technology on 'Energy Efficiency' ITAMMA. And by Dr. B. Vinod, Head-Robotics and Automation Engineering PSG College of Technology Coimbatore on " Low-Cost Innovations in/for Textile Industry.

Mr Purvik Panchal, President, Mr N D Mhatre, Director General (Tech) and Ms Nanthini, Liaison Officer, Coimbatore at ITAMMA Stall No C21C during Texfair'2022

Mr Sundar Raj, Member of Managing Committee, ITAMMA delivered vote of thanks.

Thanks to SIMA, for allotting a Complimentary stall No C21C to ITAMMA being a Supporting Association for this exhibition. During the exhibition distribution of Brochures and proactive interaction with more than 70 Entrepreneurs/ Enterprises was had and were able to enroll about 30+ new members for ITAMMA.

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International Conference on Digitalization
A Step Towards Textile 4.0

Friday, 14th October 2022
Hotel The Lalit, Mumbai
Sahar Airport Road, Andheri (E), Mumbai - 400 059, India

The Textile Association (India), Mumbai Unit to organize International Conference on "Digitalization - A Step Towards Textile 4.0".

The Textile Association (India), Mumbai Unit is organizing an international conference "Digitalization: A Step Towards Textile 4.0" on Friday, 14th October 2022 at Hotel The Lalit, Mumbai.

This Conference aims to educate how Digitization, Digitalization and Digital Transformation are shaping up and transforming the global textile business. This Conference will discuss the major challenges faced by the textile industry in today's digital marketplace & identify practical steps to be taken to digitalize their value chain. This will be the First Textile Conference in Asia on this topic and just the second in the World. We will have galaxy of speakers who would make the topic very simple and illustrative on this very challenging subject. This high profile conference will be attended by 500 participants where they will get the rare opportunity to listen to such high quality experts. We are sure that the participating delegates will be benefitted immensely from this conference and help them in conveying that digitalization is not a choice anymore but a necessity.

Many global textile machinery manufacturers have already adapted digitization & subsequently digitalization. Textile 4.0 is an interpretation and application of Industry 4.0 in the textile technology and textile manufacturing sectors across the value chain in spinning, weaving, processing & garmenting.

The Textile Association (India), Mumbai unit is the largest unit of the Association with around 4,000 members. The unit has a reputation of organizing events of topical interest both at national and global level.

Topics to be covered

- How Digitalization Affects the Textile Industry
- The Impact of Digitization on Textile Manufacturing Operations
- Digitalization in the Garment Industry
- Robotics in the Garment Industry
- Artificial Intelligence in Textile & Garment Industry
- Textile Industry – A digital Step Ahead
- Modern Textile process automation
- Software applications for textile process automation
- Artificial intelligence and supportive techniques in textile & garment manufacturing.

Speakers & Panelists

All the conferences organized by The Textile Association (India), Mumbai Unit has always selected contemporary & innovative topics presented by high profile speakers. This Conference is also no exception to this.

This conference will be addressed by policy makers, reputed textile professionals and renowned experts from different parts of the world and India who are experts in the technologies.

This high profile conference will be attended by 500 quality participants who will get the rare opportunity to listen to such high quality experts.

Invitation for Participation

About Conference

In our last International Conference on Textile 4.0, we had introduced to Indian Textile fraternity, the importance of digitization, robotics, artificial intelligence (AI), Internet of Things (IoT), cloud computing etc. which would create the manufacturing processes into 'Smart Factory'.

We all are familiar with the Industrial Revolution 1.0 that has been set in motion since 1760 when mechanisation, steam power came into existence. Over the period, Industrial Revolution 3.0 happened during seventies in terms of automation, usage of computers. Now, the world is in the midst of the new industrial revolution characterised by advanced robotics, artificial intelligence, Internet of things, cloud computing and other others. Industry 4.0 is the future of the manufacturing technologies and increasingly important trend of automation & data exchange. The enhanced technology, digital systems and automated processes will make it possible for manufacturing of quality products with high

productivity and at optimum cost. Industry 4.0 includes cyber-physical systems, the Internet of Things, cloud computing which would create what is being defined as 'Smart Factory'.

By adapting to Digitization, Digitalization and Digital Transformation, one converts his processes into a 'Smart Factory'.

These three buzz words lead ultimately to Textile 4.0 which every textile manufacturing industry is dreaming to follow. Many global textile machinery manufacturers have already adapted digitization & subsequently digitalisation.

Textile 4.0 is an interpretation and application of Industry 4.0 in the textile technology and textile manufacturing sectors across the value chain in spinning, weaving, processing & garmenting. This Conference aims to educate how Digitization, Digitalisation and Digital Transformation are shaping up and transforming the global textile business. This Conference will discuss the major challenges faced by the textile industry in today's digital marketplace & identify practical steps to be taken to digitalize their value chain.

This will be the First Textile Conference in Asia on this topic and just the second in the World. We have made all-out efforts to cover most of the topics. We will have galaxy of speakers who would make the topic very simple and illustrative on this very challenging subject.

We are sure that the participating delegates will be benefitted immensely from this conference and help them in conveying that digitalization is not a choice anymore but a necessity.

About TAI, Mumbai Unit

The Textile Association (India), Mumbai Unit is the largest Unit of the Association having around 4000 members. The Unit has reputation of organizing events of topical interest both at national and global level. In this pursuit, Mumbai Unit is organising one day International Conference on Digitalization for the first time in India/Asia.

An Appeal

The successes of our Conferences / Seminars depends on the financial support from our valued sponsors. You have been very supportive and proactive in the activities of TAI, Mumbai Unit and we look forward for the same support and active participation in this conference. We assure you to provide maximum publicity and visibility to your valued products / activities. Your participation in this conference by way of sponsorships, advertisements and delegates would provide a common platform to meet the experts from the industry. The main advantage will be an opportunity to exchange the views on the latest developments in the field of the textiles.

We appreciate your support to The Textile Association (India), Mumbai Unit in its activities and it is our pleasure to invite you to be part of this event. Let us join hands to make this conference a great success.

Office Bearers

President	: Mr. Rajiv Ranjan
President Emeritus	: Mr. C. Bose
Vice President	: Mr. Vikas Sharan
Chairman	: Mr. V. C. Gupte
Vice Chairman	: Dr. G. S. Nadiger
Vice Chairman	: Mr. R. R. Patil
Hon. Secretary	: Mr. A. V. Mantri
Jt. Hon. Secretary	: Mr. R. R. Mehta
Jt. Hon. Secretary	: Mr. A. K. Narkar
Hon. Treasurer	: Prof. K. D. Gawand

Organising Committee

Conference Chairman	: Mr. G. V. Aras
Convenor	: Mr. V. C. Gupte

Members :

Mr. Rahul N. Mehta	Creative Casualwear
Mr. Rahul Bhajekar	GOTS, Germany
Mr. Manohar Samuel	Consultant
Mr. Navin P. Agrawal	A.T.E. Enterprises
Dr. A. N. Desai	Chartered Engineer
Mr. Haresh B. Parekh	Consultant
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Some interest-growing themes

Can Viscose be the answer to making disposable sanitary pads more sustainable?

The feminine hygiene sector in India - especially menstrual products, is evolving as quickly as the users of the products themselves. For the environment, sustainable period pads are important because of the toxins in them and the toxins they add to the environment. Conventional pads are filled with plastics, even though they are marketed to be pure cottony clouds. Then when actual cotton is used, the cotton was treated with pesticides then bleached with chlorine. Since leakage is often a period pad consumer's biggest concern, companies began using superabsorbent polymers or SAPs. These synthetic materials are designed to hold large amounts of liquid but also are known to cause many health complications including reproductive, hormonal, and immune system issues among many others. Viscose sanitary pads maybe the answer to sustainable solutions for menstrual hygiene.

Expert from Birla Cellulose can provide insights on the practicality of such a product and other details on the application of viscose for sanitary pads.

Textile innovation – how can we make disposable sanitary napkins sustainable?

Currently, the world is facing a very big problem of carbon footprint of feminine hygiene product. As there is a huge amount of non-biodegradable material dumped in landfill, which releases harmful gasses into to the atmosphere. India being a developing country, with a population of 1.34 billion, out of which 323.6 million female between the age group of 15-49. If we consider that 10% of Indian women uses disposable sanitary pad then each individual will generate at least half a kilo of waste a month. In that way, 10% of the female population in India will generate 16180 tons of waste every month. In order to deal with it, we need to focus on developing a more sustainable product by choosing the raw material having low carbon footprint. Material which are used in feminine hygiene product are derived from natural resource mostly petroleum based which cannot be reused or compost and at the same time over-exploitation of these resources have to be stopped otherwise nothing will be left for our future generation. We have to find an alternative raw material that is sustainable in nature, without compromising on the functional requirement of the product.

Talk Points

What type of materials can be used to create eco-friendly pads

How does eco-friendly pads differ from regular pads

The global eco-wakening: why Sustainability Is Now the Key Driver of Innovation

Indeed, the quest for sustainability is already starting to transform the competitive landscape, which will force companies to change the way they think about products, technologies, processes, and business models. The key to progress, particularly in times of economic crisis, is innovation. Just as some internet companies survived the bust in 2000 to challenge incumbents, so, too, will sustainable corporations emerge from today's recession to upset the status quo. By treating sustainability as a goal today, early movers will develop competencies that rivals will be hard-pressed to match. That competitive advantage will stand them in good stead, because sustainability will always be an integral part of development.

While there are alternate products which are more sustainable than sanitary pads, a very minute percentage of the Indian population uses these new-age products. Most prefer pads and therefore a sustainable sanitary napkin is the innovation the world is awaiting.

Talk Points

What type of materials can be used to create eco-friendly pads

How does eco-friendly pads differ from regular pads

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Iconic Brand Linen Club shows gratitude to Kerala by launching special Onam song and a heart-warming ad film

Renowned singers Resmi Sateesh and Libin Scaria present a beautiful fusion of folk and youthful vibe through their Onam song, while actress Mala Parvathy and George Kora tell a tale of homecoming and passionate joy of giving

Linen Club, the pioneering linen brand from the Aditya Birla Group, unveiled today, a unique campaign- 'Homecoming' - to mark the annual celebration of Onam. The brand has reciprocated to the love Kerala has given them with this film and a beautiful Folk song as a celebration of the biggest festival in the market. The campaign showcases a heartfelt home-coming of family and friends to their roots based on the age-old tale of the King Mahabali and a celebration of the folk artforms of Kerala to bring in the new year. The song Thiruvonamullil Nirayenam is a unique endeavour by a fashion brand to present a local folk melody and join their customers as they celebrate their most important annual festival – Onam.

The campaign further brings alive the authentic aesthetics of the festival Onam & the expertise and expanse of Linen Club with a showcase of wide palate of fabrics and apparel that the brand offers. With Mala Parvathy and George Kora helming this beautiful video story, the TVC strikes a chord instantly with the viewer. It signifies celebration and prosperity, while evoking a sense of plenitude.

It starts with a mother, symbolic of many families who look forward to Onam as an annual celebration where the families come together from across the world. There is a sense of sadness as her son is unable to make it this year as he is busy due to work. He decided to surprise his mother by coming over and making the Onam celebration much grander than what she was expecting. His passionate creativity enables him to create an innovative Pookalam with beautiful linen fabrics. He invites performers for a traditional Onam performance to bring a smile on his mother's face. He then uses the fabrics as gifts for all, bringing forth the sentiment of giving and inclusivity. The campaign includes the mesmerising original folk song Thiruvonamullil Nirayenam to honour the spirit of Onam.

The song has been performed by popular singer, actor, performer, and sound designer Resmi Sateesh known for her many hits in Malyalam, Tamil and Hindi movies. Her band Resatrippin's first single Paduppatu got millions of views and great reviews. Supporting her is Saregamapa Malyalam Season 1 winner Libin Scaria who had lent his voice to a song from latest movie Kaduva.

Linen Club's passion, authenticity and expertise in creating the best linen fabrics and apparel is apparent in the campaign focussed towards Onam. It displays the variety and the robust portfolio of products the brand offers. Linen Club and Linen Club Studio offer premium linen fabrics and ready-to-wear apparel like shirts, jackets, trousers, kurtas, mundus, etc respectively.

The concept of Fabrik Pookalam is exceptional and brings alive a beautiful harmony between the brand's offerings and the festival's spirit. "Kerala has always been a special market for us and our loyal customers have given us a lot of love. Passion is an inherent quality with which Kerela celebrates Onam. Taking our brand ethos of being 'Passionate Like You', Linen Club is excited to launch the campaign full of emotions and no compromises as we mark the beginning of the celebrations this year; post isolation of two years due to pandemic," said Satyaki Ghosh, CEO, Domestic Textiles (Grasim Industries) Aditya Birla Group.

"Ahead of Onam as Kerela begins preparations, we are excited to demonstrate the wide palette of colours, categories, designs & textures we offer in pure Linen. Combined with consummate craftsmanship using cutting edge European technology we ensure best in class sustainable Linen products in both tailored as well as ready-to-wear category," he added.

Campaign Links:

Facebook: https://fb.watch/f4dLEjb5E0/

Instagram: https://www.instagram.com/tv/ChH4umcsy5A/?igshid=YmMyMTA2M2Y=

Youtube: https://www.youtube.com/watch?v=GlAWUkbx5x8

About Linen Club

Linen Club is a pioneering brand of Linen in India with over 7 decades of expertise in weaving the finest quality linen fabrics crafted with authentic flax fibres sourced from France and Belgium. Linen Club offers the widest range of designs in India and is synonymous with the finest quality linen. Linen Club produces 3000+ designs every year and has 7000+ point of sales as multi-brand outlets and 200+ networks of stores and exclusive brand outlets With the largest retail chain of linen in India, Linen Club serves as one stop destination for all linen lovers

and is the No.1 Linen Brand in the country. They are conscious about offering fashion that is natural, eco-friendly, moisture absorbent, anti-bacterial, lustrous, soft with strong durability. Their Wealth-Out Of- Waste is an initiative centred around the idea of a circular economy and involves recycling and reusing materials and industrial symbiosis.

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Lenzing ties up with Red Points to fight counterfeits and protect its customers

- Collaboration with Red Points addresses consumers' increasing expectations on transparency and highlights Lenzing's commitment to trademark protection
- Protects interest of Lenzing customer and partners who are making real efforts to enhance the transparency of their value chains
- Builds upon Lenzing's overall brand protection efforts that verify the authenticity of fibers up to the end products

Lenzing Group, a leading global producer of wood-based specialty fibers, has announced a partnership with Red Points, a global leader in online IP infringement detection and removal, to strengthen Lenzing's existing brand protection efforts globally and enable round-the-clock brand monitoring services. As Lenzing's textile brands TENCEL™, LENZING™, ECOVERO™, as well as nonwovens brand VEOCEL™ continue to generate widespread demand from industry partners and customers worldwide, it is becoming increasingly important to protect the company's trademarks and provide full visibility into the brands' presence online.

"Brand protection has always been a top priority at Lenzing. The purpose is not only to avoid infringement and counterfeiting issues, but also to protect our supply chain and brand partners. Our ultimate aim is for end-consumers to receive greater value for money in terms of sustainability," says Harold Weghorst, Vice President of Global Marketing and Branding at Lenzing AG. "Our verification, certification, and licensing efforts provide partners and consumers along the value chain confidence in the authenticity of Lenzing fibers in the finished products."

Protecting the interest of Lenzing's partners and consumers

Red Points provides the ideal technology solution to help Lenzing monitor and remove unauthorized use of its trademarks and counterfeits online. The technology works by using Artificial Intelligence (AI) to automatically detect intellectual property infringements of Lenzing' trademarks with high accuracy and efficiency.

"We are delighted to partner with Lenzing and provide them with effective solutions to detect and remove online counterfeits at scale. There is an increasing need for brand protection across all industries and having Lenzing on board shows us that consumers are looking for more transparency." said Sergi Garcia, Chief Marketing Officer of Red Points. "At Red Points, our mission is to make all ecommerce channels –from global social media to NFT marketplaces– a safer place for brands and consumers."

Brand protection is just one of Lenzing's ongoing proactive measures aimed at enhancing transparency in the supply chain and protecting the interest of Lenzing's partners by ensuring they are purchasing genuine Lenzing fibers which meet their high standards.

In 2018, Lenzing launched the Lenzing E-Branding Service which allows Lenzing's customers, retailers and brand partners to effectively use trademarks in their marketing materials. The platform has been welcomed by partners globally as it continues to deliver value to the fashion, textile and nonwoven

sectors by facilitating the traceability of Lenzing's fibers and enabling customers to promote them effectively.

About TENCEL™, VEOCEL™ and LENZING™ ECOVERO™

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. Featuring botanic origin and biodegradable quality, TENCEL™ branded modal and lyocell fibers are also gentle on skin with smooth, longlasting softness, color vibrancy and color retention features.

VEOCEL™ is Lenzing Group's flagship specialty nonwovens brand. Derived from renewable raw material wood, VEOCEL™ provides natural care every day, and is committed to driving industry standards around sustainability and comfort in the nonwovens sector. The VEOCEL™ brand is categorized into four branded offerings including VEOCEL™ Beauty, VEOCEL™ Body, VEOCEL™ Intimate and VEOCEL™ Surface. The VEOCEL™ product portfolio features VEOCEL™ Lyocell fibers and VEOCEL™ Specialty Viscose fibers that are tailored for sustainable lifestyles and help to maintain environmental balance by being fully integrated into nature's cycle. All VEOCEL™ branded fibers are certified clean and safe, biodegradable from botanic origin and manufactured in an environmentally responsible production process. All standard VEOCEL™ fibers are certified compostable and biodegradable under industrial, home, soil, fresh water and marine conditions, enabling them to break down safely into raw materials and fully revert into nature.

LENZING™ ECOVERO™ branded viscose fibers is the industry's new standard for eco-responsible viscose. Derived from certified renewable wood sources using an eco-responsible production process by meeting high environmental standards, LENZING™ ECOVERO™ fibers tailor to a sustainable lifestyle, contributing to a cleaner environment.

About the Lenzing Group

The Lenzing Group stands for ecologically responsible production of specialty fibers made from the renewable raw material wood. As an innovation leader, Lenzing is a partner of global textile and nonwoven manufacturers and drives many new technological developments. The Lenzing Group's high-quality fibers form the basis for a variety of textile applications ranging from elegant clothing to versatile denims and highperformance sports clothing. Due to their consistent high quality, their biodegradability and compostability Lenzing fibers are also highly suitable for hygiene products and agricultural applications. The business model of the Lenzing Group goes far beyond that of a traditional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for the efficient utilization and processing of all raw materials and offers solutions to help redirect the textile sector towards a closed-loop economy. In order to reduce the speed of global warming and to accomplish the targets of the Paris Climate Agreement and the "Green Deal" of the EU Commission, Lenzing has a clear vision: namely to make a zero-carbon future come true.

Key Facts & Figures Lenzing Group 2021

Revenue: EUR 2.19 bn

Nominal capacity: 1,145,000 tonnes

Number of employees (headcount): 7,958

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ACIMIT revises its corporate identity with a new logo and website

ACIMIT, the Association of Italian Textile Machinery Manufacturers, has presented its renewed corporate identity, the result of a collaborative effort involving the association itself and the communications agency Take, which handled the logo's restyling, new brandbook design, and the development of the new website.

CORPORATE NEWS

ACIMIT's new image reflects its evolving and dynamic soul. The logo has been renewed so as to remain faithful to the association's values, which are strongly rooted in Italy, while accentuating its international impetus, representing evolutionary nature of the entire textile machinery sector. The official website has been completely renovated both in its look feel and structure, but remains essentially unchanged in its DNA.

"Creativity, technological innovation, and a coming together of Italian concepts — these are the ideas that have guided us in conceiving and redefining our logo and our association's coordinated image," states ACIMIT president Alessandro Zucchi. "The new logo was designed to mirror our organization's core values, with two main goals : promoting the idea of closeness and coming together, while reflecting a spirit of belonging for all our associated partners, and proposing ACIMIT to the global textile supply chain, communicating Italy's leadership role in the textile machinery sector."

A further innovation announced by ACIMIT is the all-new communications concept promoting the presence of Italy's textile machinery manufacturers at ITMA 2023, which will be held in Milan from June 8-14 this year. The key communications concept designed to bring people together at ITMA is ***Shaping the Future***, a project developed to link ACIMIT's core values to those of ITMA, comprising the association's various activities, initiatives and communications schemes, all of which will be presented with the support of Italian Ministry of Foreign Affairs and International Cooperation and the Italian Trade Agency. The aim is to promote an immediate desire to shape the future of the textile supply chain, tracing an innovative and ever-changing path.

The website and communications initiatives enhancing ACIMIT's corporate identity, as well as the creative project Shaping the Future, can be viewed online on the association's official channels as of end of April.

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TENCEL™ LUXE succeeds in achieving strong growth in 2022 as eco-couture movement booms

- Market growth in the sustainable luxury segment largely driven by Gen Z and millennials.
- Greater business opportunity for TENCEL™ LUXE as premium fashion brands extend use of eco-friendly materials.
- Upcoming collaborations with valued brand partners to boost sales growth further in 2022.

TENCEL™ LUXE, the unique brand of lyocell filament yarn under Lenzing's textile specialty brand, achieved a 2021 sales growth of 5 times the volume in 2020 and is on track to increase its existing production capacity by 25% in 2022 to cater to growing demand. As premium brands are increasingly introducing eco-friendly collections, it presents an area of opportunity for TENCEL™ LUXE to expand its footprint. The luxury sector, which is currently undergoing a sustainability evolution, is also poised to achieve a sustained growth of 6 to 8% annually1. Companies, especially those in the luxury and high-end fashion industry, are sourcing green solutions to reshape their value chains – and selecting TENCEL™ LUXE as a highly versatile new generation solution.

"We are seeing a significant shift towards sustainability in the luxury and premium industry, largely driven by the younger generation who are greatly concerned with the future of our planet," said Vineet Singhal, Vice President Global Business Unit Noble Fibers at Lenzing AG. "As a result of this rising consumer demand, the TENCEL™ LUXE brand is looking to expand its footprint even further in haute couture, bridalwear, ready-to-wear, denim, activewear, traditional wear, intimate, and red-carpet fashion segments. We experienced strong sales growth in 2021 and are continuing this momentum into the second half of 2022, with the help of our valued partners."

Through material and technological innovations, along with co-branding partnerships, TENCEL™ LUXE is able to bring the high-end fashion market a sustainably produced and biodegradable

alternative that follows the cycle "From Nature to Skin to Nature".

Diversifying growth with multi-dimensional partnerships

TENCEL™ LUXE targets all corners of the luxury and premium market to facilitate co-branding opportunities, bringing TENCEL™ Lyocell filament yarn to public figures and runways. It has repeatedly appeared in collections by renowned designers such as Italian sustainability ambassador Flavia La Rocca, multi-disciplinary artist Osman Yousefzada at London Fashion Week and eco-couture house PEET DULLAERT, which recently celebrated its 10th anniversary during Paris Couture Week.

In the pipeline for this year, TENCEL™ LUXE will continue its collaborations with Dutch cult design duo Viktor & Rolf, who are using exclusive TENCEL™ LUXE fabric developments for their haute couture and bridal collections, conscious luxury brand Bav Tailor, and Vogue UK's "One to Watch" Anciela, whilst expanding its partnership portfolio through collaborations with brands including Deepika Govind, Taneira and Safaa.

TENCEL™ LUXE will also be showcased in exciting new collaborations with Patrick Mcdowell at London Fashion Week 2022 and LVMH Prize finalist Róisín Pierce at Paris Fashion Week 2022.

"TENCEL™ LUXE symbolizes our mission to embed sustainability in the premium and luxury sector through our pursuit of exceptional quality and deep respect for nature," added Vineet. "We are thrilled that more designers and brands are recognizing the versatility of TENCEL™ LUXE as a blending partner of various noble fibers and incorporating it in their collections globally, especially as we expand our scope to cover activewear and premium wear."

About TENCEL™ LUXE

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.

Fabrics containing TENCEL™ LUXE filaments drape beautifully while offering natural comfort. Created to be versatile, TENCEL™ LUXE filaments can be made from 100% TENCEL™ LUXE and also blend superbly with other noble filaments and fibers such as silk, cashmere, linen or wool.

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 the Lenzing Group

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

The Lenzing Group's high-quality fibers form the basis for a variety of textile applications ranging from elegant clothing to versatile denims and high-performance sports clothing. Due to their consistent high quality, their biodegradability and compostability Lenzing fibers are also highly suitable for hygiene products and agricultural applications.

The business model of the Lenzing Group goes far beyond that of a traditional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for the efficient utilization and processing of all raw materials and offers solutions to help redirect the textile sector towards a closed-loop economy. In order to reduce the speed of global warming and to accomplish the targets of the Paris Climate Agreement and the "Green Deal" of the EU Commission, Lenzing has a clear vision: namely to make a zero-carbon future come true.

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India ITME Society set to launch nomination programme for the 2nd grand edition of India ITME Society awards 2022

India's Pioneer and largest textile machinery exhibition is all set to invite nominations for the 2nd Grand Edition of India ITME Society Awards 2022. With India aiming towards becoming a super technology provider to the world and having a vision of developing 100 Indian textile machinery champions, the India ITME Society has seen textile engineering and technology provider's rise from scratch. Now, we are glad to introduce the 2nd edition with a focus on recognizing the dedication and hard work of textile technology & engineering stakeholders.

India ITME Society Awards 2022 is scheduled to be presented on 8th December 2022 at India Exposition Mart, Greater Noida, Uttar Pradesh. These awards will set the tone for the start of the biggest textile engineering show which will have the presence of international & national delegates representing ambassadors, council members, various ministries, state ministers, textile & state commissioners and global investors. The renowned textile entrepreneurs and emerging textile investors will all be a part of this event. The winners will be felicitated with cash award, trophy & certificate in the format best suitable to the category. With the wide network of the India ITME Society, the recognition of the awards will not just be limited to the delegate present at the award function but will also be circulated to the wide database & the entire press & ministry associated with the India ITME Society. The booklet copies will be presented to all the international and national delegates in current as well as all subsequent events India ITME Society is an active part of.

These awards are society's humble attempt to recognize the exceptional & significant contributions that have influenced positive change in the textile engineering sector of our nation.

This 2nd edition of awards looks to recognize and felicitate awards in the following new categories:

- Category 1 - Award for Overall Best Performer in Engineering Industry presented in 8 Specific categories (Ginning | Spinning | Weaving & weaving preparatory | Processing & Finishing | Garmenting | Printing | Accessories for Textiles | Technical Textiles)
- Category 2 - Award for Best Innovative Technology for Pollution Control
- Category 3 -Women Leadership Award in Textile & Textile Engineering
- Category 4 -Award for Research Excellence
- Category 5 – Textile Mastero

The nominations are open through the following google form link https://forms.gle/yyA6qefKKsUEjGdE8

The link also contains details about every award category, eligibility criteria, and general instructions. The last date for submission of nomination through the above link is 15th September 2022.

Society strongly believes that education is the foundation platform that has lifted this textile sector to such a glorious stage. So it has also introduced an award category specifically targeting youth, research & innovations.

Commenting on the progressive work undertaken by the India ITME Society, Mr. S Hari Shankar, Chairman, India ITME Society said, "The society & self strongly believes that the young minds of today are the colourful future of our Textiles, this is why in addition to the dedicated award category for our innovators in 2022 edition, we have always introduced knowledge programs for the learners. Our society over the years is initiating several constructive programs to recognize & empower knowledge to innovative researchers, and technical faculties as well as to act as an active connect between the knowledge hub -technical institutes & the ever-changing industry. I am sure, the success story of innovator recognized in our awards will attract more youths towards R & D in textiles"

Mr. S Hari Shankar, Chairman
India ITME Society

To ensure fair practice and true unbiased nature towards the awards selection, the society has brought on board reputed textile technocrats from different sectors of textile. All the nominations will be checked and verified for their eligibility by the

coordinator for this event -SUVIN, a company led by Mr. Avinash Mayekar.

The scrutinized nominations will then be put forth to the panel jury on their final meet. The jury will meet on 30th September. Valued Jury Panel includes:

- **Mr. Uday Gill,** Chief Executive Officer, Fibers, Indorama Ventures Ltd a magnificent textile fibre expert having a knack for identifying hidden gems from across the globe & successfully leading acquisitions
- **Mr. Updeep Singh,** President & CEO, Sutlej Textiles and Industries Ltd is a genius in textiles & a resourceful personality in textile technology
- **Mr. Manohar Samuel,** Advisor R&D, Reliance Industries Limited an expert in core dynamics of fibers and a passionate researcher, brand developer & value chain builder
- **Mr. Gurudas V Aras,** India consultant to the ITA group, Germany and APS GmbH & Strategic Business Advisor & Mentor for many textiles & engineering businesses, a true technocrat.
- **Mr. Sanjay Jayavarthanavelu,** Chairman & Managing Director at Lakshmi Machine Works Ltd & a Past Chairman of India ITME Society & is a prosperous & anambitious businessman
- **Mr. R. Anand,** Partner, Eastern Engineering Company a mentor for MSMEs in engineering & a recognizable market specialist for the engineering sector
- **Mr. Sanjiv Lathia,** Past Chairman of India ITME Society & a well-known entrepreneur from Rubber Industries is a sharp business acumen having expertise in technical operations of engineering & technologies
- **Dr. Manisha Mathur,** Director, SASMIRA has in-depth knowledge of textiles and textile processing with a keen curiosity for research as well as a strong women leader
- **Mr. Ketan Sanghvi,** Hon. Treasurer of India ITME Society a wizard in weaving technologies
- **Mr. S. Hari Shankar,** Chairman of India ITME Society a successful entrepreneur & a renowned personality in the textiles accessories world.

India ITME Society by introducing the 2nd edition of awards has again remained true to its industry label of being a torch bearer for the engineering sector in textiles. Today once again when our industry is coming back on track post the unseen pandemic effects, society is making the much-needed effort to recognize the vastly evolving textile engineering sector, the innovative researcher & the women power of 2022.

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Make Your Participation Green

When planning your participation, exhibitors are encouraged to reduce waste in all aspects to reduce the environmental impact. An ITMA 2023 Green Exhibition Planning Guide has been prepared to assist you in planning a greener participation as part of the concerted effort.

RSVP Now for Exhibitor Site Visit

The upcoming site visit will be held on 28 September 2022. Click here to RSVP by 31 August 2022.

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For further information, please contact :
email marcom@itma.com ❐

DyeChem World Exhibition – Ludhiana Edition From February 24-26, 2023

Textile Excellence, alongwith Society Of Dyers & Colourists has announced DyeChem World Exhibition – Ludhiana Edition, from February 24-26, 2022, in Ludhiana's Dana Mandi venue. Tirupur's NIFT-TEA College of Knitwear Fashion, AIC NIFT TEA Incubation Centre for Textiles and Apparels are the co-organisers of the event.

The event will bring onto a single platform, the textile dyes and chemicals industry for the Ludhiana textile industry. The textile dyes and chemicals industry has been investing in innovative technologies and greener products. All this will be on display for the Punjab textile industry.

Punjab is growing in importance as a textile manufacturing hub, with three important clusters – Ludhiana, Jalandhar and Amritsar. Textile and clothing exports from the three clusters alone amount to around Rs 12,000 crore (USD 1.6 billion) annually. Punjab boasts of over 1200 textile and apparel manufacturing companies in the state, providing direct employment to 1.2 lakh people in the state's textile and clothing industry. The state has abundant supply of cotton and MMF. PP and PE production is getting ramped up in the state.

Punjab is home to major textile players including Trident, Nahar, Vardhman, Shingora, SportKing, Nivia, Savi, Avani, JCT, Indian Acrylics, among others.

The Punjab State Government has identified textiles as a focus area under the Industrial Business Development Policy (IBDP), 2017. The state offers attractive incentives such as net GST reimbursement and employment subsidy to ultra-mega, mega projects, anchor units, thrust sector units and MSMEs.

Being the first of its kind show in Ludhiana, DyeChem World will create a platform for interaction and knowledge sharing between the dyes and chemicals and textile industry.

The last edition of DyeChem World Exhibition, which was held in Tirupur this June, evoked a lot of interest from the industry in and around Tirupur. The trade fair welcomed over 2000 visitors from various parts of Tamil Nadu, Andhra Pradesh, Telangana, Karnataka. There was unanimous consensus within the industry that a show like DyeChem World is the need of the hour as the textile and garment industry of Tirupur is set to expand exponentially. Exhibitors have confirmed meeting good number of potential customers at the show, way beyond their expectations – an indication of the dynamism of the southern textile industry.

According to Bhaskar Dutta, AVP – Sourcing, Jockey India, "Events like DyeChem World are much needed, as textile manufacturers have to interact with chemicals and dyes suppliers very often. It's a great platform to know the latest that is happening in this segment."

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GFT 2023

21-24 June 2023 at BITEC

Growing demand for Safety apparels

Growth of Protective Wear, nowadays the apparels have been developed as a protective clothing which are used in various industries to help shield wearers from dangerous working conditions or accidents. Due to the past world situation, the demand of protective clothing has increased dramatically. These high demands are expected to help drive the growth of safety apparels in the coming years.

Read full article at GFT Blogs

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Composites for the Energy Sector in India

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Mr. PKC Bose, Global Sustainability Advocate, **Dr.-Ing. Mohit Raina**, Managing Director, Raina Industries Pvt. Ltd, **Mr. Kumar Jois**, Scientist, RWTH Aachen University (ITA), Germany, **Prof Asim Tewari**, Indian Institute of Technology Bombay, **Dr. Rajalakshmi Natarajan**, Former Senior Scientist and Head, Centre for Fuel Cell Technology, ARCI, IIT Madras, **Ms. Gözdem Dittel**, RWTH Aachen University, Germany

Customised Joining Technologies for Technical Textiles

Presented By

Mr. Philip Huber, RWTH Aachen University, Germany, **Dr.-Ing. Yves Simon Gloy**, RWTH Aachen University, Germany, **Mr. Antonio Braz dos Santos Costa**, General Manager at CITEVE – Portuguese Technological Centre for Textile and Clothing Industries, Portugal.

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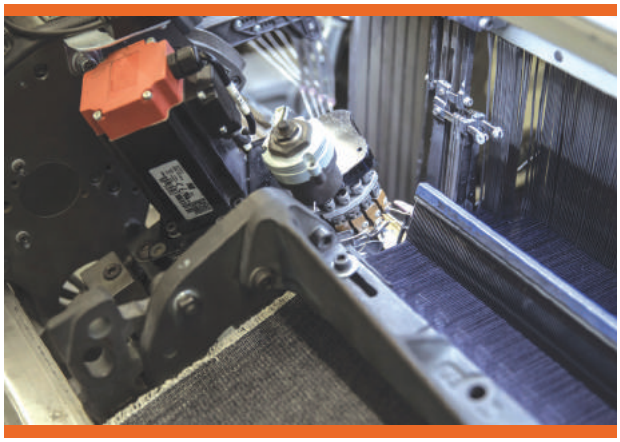
Itema S.p.A

Sharabati Denim confirms the trust in the Itema rapier technology and puts in an additional bulk order to the Italian company

Sharabati Denim is today among the most renowned denim mills in the world, featuring a customer portfolio that includes globally famous fashion brands and mass retailers, and exporting its fabrics to 27 countries worldwide. With production sites in Egypt and in Turkey, Sharabati Denim weaves more than 80 million meters of denim, corduroy, and grey fabrics every year.

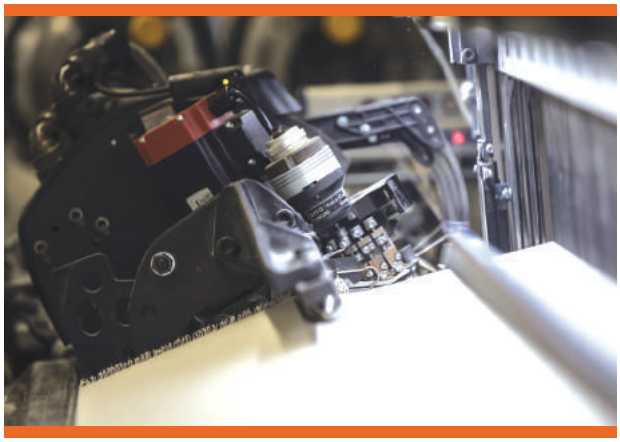
Ever since committed to respecting environmental sustainability, Sharabati Denim introduced process optimizations to decrease water and energy waste and to promote responsible employment of chemicals. Fundamental driver of the mission of the Company is, in fact, the eco-centric approach which consists in a tireless pursuit of solutions for sustainable production with the aim of reducing the environmental impact to provide final consumers with sustainable fabrics.



Precisely because of this vision, after the market launch in 2018 of the Itema rapier weaving machine exclusively dedicated to weave denim - the R9500-2denim, Sharabati Denim was among the pioneers to install a first group of this machine model, equipped with the one of a kind iSAVER®, the device that completely eliminates weft and warp waste on the left side of the fabric leading to significant cotton and water savings.

The R9500-2denim and iSAVER® performances were very satisfying– the best in their category – and led in 2021 to a repeat order both for the Egyptian and the Turkish plant for a total of more than 180 machines. Just consider that – as reported by the company – the iSAVER® equipped on the weaving machines in production ensures to Sharabati Denim a yarn saving that ranges from 650 Kg to 900 Kg per machine per year.

In 2022, Sharabati Denim implemented an expansion project aimed at significantly increase its production capacity. The weaving partner selected to provide 200 weaving machines for the Egyptian mill is Itema and, once again, its rapier R9500-2denim with iSAVER®.



With this last order, Sharabati Denim owns a fleet of more than 400 Itema rapier R9500-2denim, thus achieving outstanding levels of performances, sustainability and technological prowess.

Sustainability and textile mastery are the added values that led Sharabati Denim to confirm the trust in the Itema weaving technology, also considering the significant enhancements introduced on iSAVER® also thanks to the fruitful cooperation between the two companies.

About Itema

Itema is a leading global provider of advanced weaving solutions, including weaving machines, spare parts and integrated services. The Company is the only manufacturer in the world to provide the top three weft insertion technologies: rapier, air jet and projectile, with an ample product portfolio and a commitment to continuous innovation and technological advancement of its weaving machines.

Itema is the sole shareholder of Lamiflex, leading producer of advanced composite products and owns majority stakes of Schoch, manufacturer of textile industry accessories.

Sixty per cent of Itema is held by Gianni Radici's family heirs (the siblings Angelo, Maurizio, Paolo, Maria Grazia and Bruna). The remaining shares belong to the Arizzi and Torri families.

More information about Itema can be found on the website www.itemagroup.com

For further information, please contact :
Itema S.p.A.
Via Cav. Gianni Radici 4
Colzate, BG 24020, Italy ❐

A.T.E. Enterprises Private Limite

Sustainable carded/pulp nonwoven solutions from Truetzschler

More than 50% of nonwovens produced annually are converted into single-use products such as diapers, wipes, and other hygiene or medical products. On disposal, several million tons of these products find their way into landfills. Moreover, most single-use products contain petroleum-basedfibres made from PP, PET, bi-component polymers etc. Discarded carelessly, these nonwovens containing synthetic fibres can disintegrate into micro-fibres or micro plastics that do not biodegrade for decades and infiltrate soil, water, air and living things.

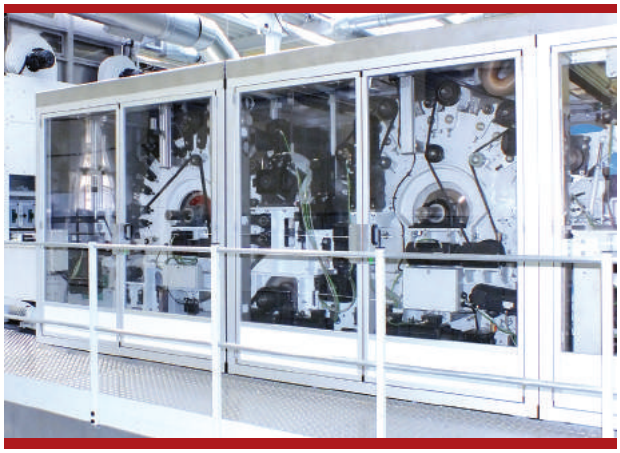
India is ranked 94 out of 100 in single-use plastic waste generation. With domestic production of 11.8 Million Metric Tonnes (MMT) and import of 2.9 MMT of plastic annually, India's net generation of single-use plastic waste is 5.6 MMT per year.

The Indian Government has proactively banned the use of 'single-use plastic' from 1July 2022. A notification issued by the Ministry for Environment, Forest and Climate Change has prohibited manufacture, import, stocking, distribution, sale and use of various types of single-use plastic, including polystyrene and expanded polystyrene commodities.

The ban makes it imperative for manufacturers to explore other, sustainable raw materials to manufacture products, thereby helping to reduce the detrimental effects on the environment.

Enter Carded/Pulp (CP) nonwovens solutions by Truetzschler

Carded/Pulp (CP) is aneco-friendly alternative to technologies that use non-biodegradable materials.CP consists ofwet-laying technology combined with a separate carding process resulting in two-layer, composite carded/pulp webs which can be used to produce excellent body and baby wipes. The wet laid layer, which is produced from 100% pulp, is cost effective, voluminous, and quickly absorbs liquids. The lyocell or viscose fibres carded layer lends sufficient strength to the wipe to maintain structural integrity while ensuring softness.



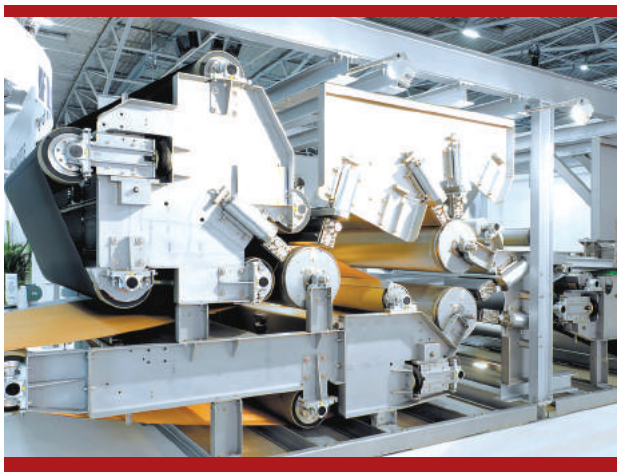
Truetzschler TWF-NCT card

Carded/pulp (CP lines for pulp-based nonwovens)

NBSK (Northern Bleached Softwood Kraft) pulp is a new, cost-effective, sustainable material suitable for the production of carded pulp spunlaced nonwovens.A blend of NBSK pulp and short viscose or lyocell fibres can be used to generate a web, which can belaid down on a belt.

The WLS (Wet-laid Spunlace) process is the technology of choice for producing Moist Toilet Tissue (MTT). Voith's HydroFormer has been specifically optimised for the formation of wet-laid nonwovens. In the wet-laid process,Voith's HydroFormer prepares the fibres and forms the

web. Aslurry of fibres and water is passed over a wire mesh on which a homogeneous fibre mat forms. The downstream hydro-entanglement



Truetzschler AquaJet

(spunlacing) process is accomplished using Truetzschler Nonwovens' AquaJet system which produces bonded nonwovens that can also be textured or perforated, if required. Because AquaJet bonds the nonwovens through the momentum of the water jets, there is no need for binding agents or bi-component fibres. The bonded web is then dried and wound.

With more than 70 HydroFormer and 100 AquaJet successful installations, both the HydroFormer and AquaJet are proven products.

Additionally, Truetzschler's TWF-NCT high-speed card can be integrated into the line, in front of the AquaJet. This allows production of CP nonwovens. Combining the wet-laying with a separate carding process results in two-layer, composite carded/pulp webs. These composite materials, each consisting of one layer of wet-laid and carded webs enables the production of a wide variety of high-quality products – from carded nonwovens to wet-laid/spunlaced WLS materials to multi-layer CP products.

Features

- Raw material: paper-grade wood pulp, re-generated cellulose fibres (viscose, lyocell)
- Flexible lines: for CP and WLS nonwovens
- Web weights: 50 gsm; pulp layer more than 25 gsm
- Line speed: up to 300 m/min
- End products: baby and body wipes; flushable wipes/MTT without card

About Truetzschler Nonwovens – the expert in spunlacing

Truetzschler, founded in 1888, is one of the world's leading textile machinery manufacturers with more than 2,800 employees. This traditional family-owned company specialises in machines, installations and accessories for spinning preparation, nonwovens and man-made fibre industries.

About A.T.E.

A.T.E. is a leader in textile engineering with more than 80 years of experience. A.T.E. has partnered with some of the world's leading brands in textile machine manufacturing and is fully geared to help the Indian textile industry maximize business opportunities in the nonwovens sector.

For further information, please contact :
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M : +91-98696 57281, T : +91-22-6676 6100
W : www.ategroup.com ❐

S.K. Associates

S.K. Associates are one of the leading Manufacturer and supplier of many Textile products in which few of them are listed below.

1. SKA Spring loading for Top Arms.
2. Bobbin Holders.
3. Rotary Filter to stationery filter conversion.
4. Pneumafil conversion for individual suction to common suction.
5. Compact spares for spinning.
6. New advanced fully automated smart plucker.

And S. K. Associates are dealing with servicing of all ranges of Textile Electronic PCB's (Blow Room to Spinning) & specially we are undertaking servicing & Providing spares for Vouk Draw Frame.

Skaat Bobbin Holder

Bobbin Holders have found acceptance world wide and has been making continuously outstanding product improvements, backed by a prove track record, SKAAT continuously offers tried and tested bobbin Holders trusted with assurance of durability and trouble free performance.

Features

- Fully closed and protected against entry of fly and fluff.
- The spherically centered bearing mechanism for a smooth and consistent unwinding of roving.
- The ratchet mechanism ensures superior performance and a reliable longer duration of life.
- All components are of anti-static nature and aesthetically appealing with perfect finish.
- The polymer parts are made from worlds leading polymer manufacturer material.

Pneumafil conversion for individual suction to Common Suction

We S.K ASSOCIATES offering our client an excellent quality range of Components for Pneumafil Conversion for individual suction to common suction.

ADVANTAGE

1. To improve suction and save energy
2. Free from lapping on Rollers.
3. To improve in breakage Rate
4. Due to less lapping, Operator can Piece broken end faster
5. While compared to individual suction system, Suction level gradually increase from offend to gear end.
6. Rubber cots damages can be avoided

SCIENCE IN INDUSTRY

Conversion for LR Ring Frames Rotary Filter to Stationery Filter

We S.K ASSOCIATES offering our client an excellent quality range of Components for LR Ring Frames conversion for Rotary Filter to Stationery Filter.

Pneumafil Conversion for individual suction to common suction.

Pneumatic to Spring Loading

We S.K ASSOCIATES offering our client an excellent quality range of Components for LR RING Frames Pneumatic to spring load Top arm conversion.

Advantage

1. To maintain uniform pressure.
2. Individual top arm pressure adjusted.
3. Eliminated all pnumatic pressure hose and fittings.
4. To avoid machine starting end breaks.
5. Save Power.

Top Arm Pressure setting gauge

Suitable for all makes of drafting systems of Ring Frames & Speed Frames.

For further information, please contact :
S.K.ASSOCIATES
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Ayasamy Nagar, Thottipalayam
Chinniyampalayam Post
Coimbatore-641062, Tamilnadu, India
Ph No. : 0422-2912018
Email : salesska@skassociates.org ❐

BB Engineering GmbH

BB Engineering gearing up energy towards the participation at the K show 2022

Plastics expertise and innovative PET recycling for high-quality products

As a sub-exhibitor of Oerlikon, BB Engineering will present itself as an expert in extrusion, mixing and filtration as well as an inno-vator for PET recycling with the VacuFil and VarioFil R+ systems at the K.

Plastics competence - extruders, mixers, filters

BB Engineering is no newcomer to the plastics industry. As a joint venture of Brückner Maschinenbau (leading with film extru-sion lines) and Oerlikon Barmag (leading with man-made fiber spinning lines), BB Engineering took over the extruder division of Oerlikon Barmag already in 2002. BB Engineering can thus draw on more than 60 years of experience in extruder construction

and is constantly engaged in development work to further optimize its products. To date, approx. 20,000 extruders have been delivered worldwide. The extruders are mainly used in film and synthetic fi-ber spinning lines for PP, PET, PA and PE. BB Engineering is the exclusive supplier for its parent companies and also sells extru-sion and filtration technology to third party customers. The portfo-lio also includes various continuous and discontinuous polymer filters from small to large (0.1-40m² filter area) as well as various polymer mixers.

The quality of the melt and thus of the end product is BB Engineering's top priority for all components and equipment. "Our company has always stood for high-quality, durable machines and components that enable our customers to manufacture first-class products. A high-quality melt is crucial for trouble-free production and good, consistent product properties" underlines Dr. Klaus Schäfer, Managing Director.

Recycling technology

BB Engineering has been focusing its development work increasingly on recycling technologies for several years. In addition to extruders, filters and mixers that are suitable for both recycling processes and the processing of recyclate, BB Engineering offers a complete PET recycling plant called VacuFil.

With VacuFil, BB Engineering has developed an innovative and unique PET LSP recycling process. And here, too, the focus is on product quality. The process combines gentle large-scale filtration and targeted IV regulation for consistently outstanding rPET melt quality. Thus, much more than simple "downcycling" is possible with VacuFil. VacuFil processes a wide range of input materials - post-production and post-consumer. The patented key component Visco+ vacuum filter removes volatile impurities quickly and reliably. VacuFil is a modular system that can be designed for different recycling applications. There are no limits to the downstream processes. Simple granulation is possible, but also direct feeding into further processing, e.g. in the synthetic fiber spinning mill. BBE offers VacuFil in combination with its own VarioFil compact spinning plant to produce polyester yarn.

Open House

Exactly this process can be visited during the K show at an open house of BB Engineering and Oerlikon Barmag. Not far from Düsseldorf, at the company's site in Remscheid, BBE and Oerli-kon Barmag will open their doors and give customers and inter-ested parties an insight into the technical center. Here, visitors can experience the VacuFil Visco+ recycling technology in opera-tion with a connected VarioFil spinning plant and see live how high-quality recycling yarn is produced from PET waste.

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, focusing their business on the development, engineering, design and manufacturing of extrusion, mixing and filtration technologies as well as complete spinning lines (VarioFil) and recycling technologies (VacuFil, Visco+) for the plastics and textiles industry. The services offered range from the design and planning phases all the way through to the implementation of projects.

For further information, please contact :
Mrs. Pia Kürten
Marketing, BB Engineering GmbH
kuerten.pia@bbeng.de
www.bbeng.de ❐

Bluemoon Machines

Know about Bluemoon

Bluemoon engineering was established by Mr. Moiz Akbar Kalavadwala in 1968 with a vision to offer quality steam based textile machines. It eventually diversified in manufacturing a perfect range of machines & equipments for textile industry.

Bluemoon is recognized for its tradition of ensuring long term business relationship with customers by achieving total customer satisfaction in its products. The company is assuring leading position in textile industry by providing high-tech, efficient, safe and reliable products to customers at very competitive price and well on time.

Its manufacturing facilities are situated at Surat, famous for its jari, silk and diamond industries at world level and one of the important hub of

indian textile business. It gives a privilege to the company, Surat is just 300 Kms away from Mumbai, India's financial capital.

At Bluemoon, we are committed to provide our customers cost effective solution for their various process needs by applying intensive R&D and 43 years engineering expertise of our engineers and specialists.

Yarn Conditioning Plant

Bluemoon Advantage

- Low power consumption
- Low maintenance
- Low process cost
- Short payback period
- High quality conditioning
- Uniform moisture gain through out the package
- Moisture level increases by 1.5-2%.

Advantages of conditioned yarn

- Increased single yarn strength and elongation.
- Improved hairiness.
- Constant friction coefficient.

- Better running ability for subsequent production process.
- Enhances productivity, reduces fly generation, improves fabric softness.

Salient Features

- Designed as per ASME SEC VIII DIV I.
- Non corrosive stainless steel used for material of construction.
- Welding joints are tested with radiography.
- Vessel is insulated externally to maintain negative (vaccum) pressure which helps in producing cold saturated steam at low (46°c) temperature.
- Option of normal vaccum (700 mm-Hg) or high vaccum (750 mm - Hg) i.e. 99%.
- Precise process control as sensors interfaced with PLC based control panel. This allows the process to activate only as per prescribed limit of parameters like water level, pressure, temp, & time etc.
- Precise software ensures accurate repeatation of process.
- Single or multicycle process facility.
- Hydraulic door opening system for utmost safety.
- Automatic platform for feeding and removing trolley from the chamber.
- Condensation prevention roofplates are provided to avoid water droplet on yarn package.

Yarn Steaming Autoclave

Each production step like spinning, twisting or knitting causes tension in yarn & fibre. Yarns tend to snarl in order to relax. Tension and snarling lead to problems in downstream processing. Blue moon yarn steaming autoclaves provides optimal and smooth treatment for following application.

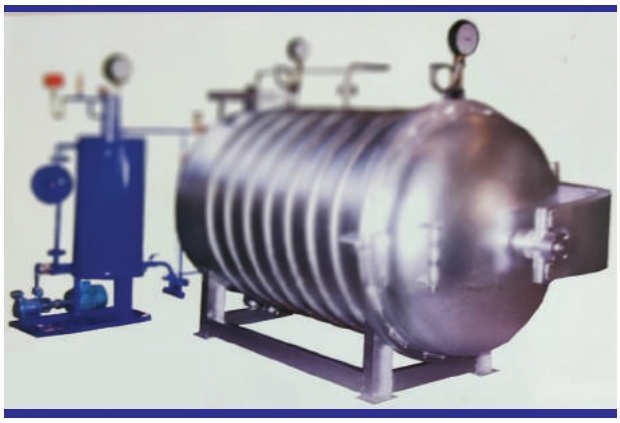
1. Heat setting.
2. Fixation of textured & twisted filament.
3. Relaxation of high twisted yarn.
4. Torque Stabilization.

Advantages

- Twist set and relaxed.
- Treatment of Natural fibre, Synthetics, Blends & Micro Fibre.
- Inexpensive paper tubes can be used.
- Treatment in plastic boxes, trolleys & crill.
- Absolutely saturated - dry steam for steaming.
- Steaming from 70°C-150°C.

- No Shock treatment, No condensate.
- Uniform steam distribution.
- Even steam penetration.
- Less electricity/energy consumption.
- Short payback time.
- Better dye affinity.

Yarn Setting Autoclave



Salient Features

- Best solution for steaming/heat setting.
- Treatment is suitable for both man made and natural yarn.
- Treated yarn eliminates undesired twisting effect from fibers.

- Improves shrinkage & elasticity of yarn.
- High vacuum (700mm-Hg) in vessel allows steam to reach inner most layer of yarn package.
- Unfiorm distribution of super heated steam avoids condensation drop on yarn package.
- Easy to operate electronic control panel.

Application

- Polyester
- Viscose
- Nylon
- Metallic film covered yarn
- Jari covered yarn
- Acrylic
- Silk
- Cotton
- Blends like PV. PC.

Hot Air Ager for Yarn Setting & Yarn Drying

A Revolutionery Concept

- This is a revolutionary concept innovated to set low twisted yarn (max 1000 TPM).
- We make forced air to penetred in side the cone.
- Fully Automatic process controlled through control panel to ensure best quality of twist setting through out a lot.

Salient Features

- Low twist yarn setting. (up to 1000 TPM)
- Drying of dyed yarn.
- No colour shade change.
- To cut down production cost by changing of conventional system. (steam to Air)
- To avoid damages to the Paper tubes.
- To cut down batch time.
- To eliminate Bobbin winding-rewinding cost.
- Also to accommodate in small scale industry.
- To make more safer by avoiding steam pressure in machine.

Yarn Setting Steam Ager

Salient Features

- Fully Automatic Process.
- Accurate Temperature & Time Control.
- Short Process Cycle.
- Optimal Process Cost.
- Adequate Process Safety
- Heat Source : LP Gas/CN Gas/Wood/Oil.
- Less Energy Consumption.

Application

- Medium & High twisted yarn steaming.
- To operate at 70°C to 130°C.
- To operate upto 2 Kg/Cm^2.
- Polyester, Nylon, Viscose, Pure Silk, etc. with High Twist.
- Multicolour Spcae Dyed yarn dye fixation.

Availibility

- Fully Automatic/Semi Automatic/Manual

Technical Specifications

Model	Capacity (Kgs)
BSA 50	50
BSA 100	100
BSA 200	200
BSA 250	250
BSA 300	300

M.O.C.

- Stainless Steel.
- Carbon Steel.
- Aluminium.

H.T.H.P. Vertical Dyeing Machine

Salient Features

- Airpad dyeing system helps keeping low liquor ratio from 1:4 to 1:7 compared to fully flooded system. It leads to saving of water, dyestuff, chemical and heat energy.
- Coil type heat exchanger made out of high grade seamless tubes for high heat transfer efficiency.
- In addition to spring loaded safety valve, the machine is equipped with an additional pressure switch to release pressure if it exceeds set limit for utmost safety.

- There is no need to rotate the lid on main vessel to lock the machine but outside ring clamps the lid with vessel for locking. As there is no rubbing of lid, lipseal life increases.
- Option of various type of carriers for fibre, hank, muffs, tops & beams.
- Control panel is fabricated form stainless steel for longer life.

- Modular design. Two machines of same capacity can be coupled to increase batch size.

For further information, please contact :
Bluemoon Machines
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bluemoonsrt@gmail.com
Web : www.bluemoonmachines.in
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Sumanlal J. Shah Sons Private Limited

Few words about Sumanlal J. Shah Sons (P) Limited

We, Sumanlal J. Shah Sons Private Limited, are renowned organization engaged in manufacturing and exporting a comprehensive range of Textile Machinery Replacement Spare Parts. We are driven by quality and are determined to offer quality products coupled with premium services.

We have developed state-of-the manufacturing unit, which is located in Coimbatore, Tamil Nadu (India). The unit is equipped with all requisite facilities, which helps us to fabricate our range in tandem with the set industry standards. With the assistance and support of our professionals, we are successful in meeting the demands of our clients by providing customization facility.

In order to keep ourselves abreast with the global economic changes in textile field & textile machinery, we constantly upgrade our existing range of Replacement Spare Parts. Thus, this helps us to offer a quality range of products at industry leading prices. All these aspects have enabled us to consolidate a reputed position in the regions of North America, South America, Eastern Europe, Southeast Asia, Africa, Mid East and Eastern Asia.

Envisioned in the year 1945, Sumanlal J Shah Sons P Ltd., 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.

We keep regular stock for replacement spare parts for below machineries & we can supply all spares on Catlogue number basis

- Blowroom
- Carding
- Draw Frame
- Speed Frame
- Comber
- Lap Former
- Ringframe
- Over head clearer
- Autocorner
- TFO
- Humidification
- Sensors
- Valves & Pnuematic Solutions
- Textile Bearings
- Electromagnetic brake and clutches
- Electronic

Replacement spares for Lakshmi LA23 Unifloc, Blend O Mat, Rieter Unifloc A2, A3, A10, A11

Replacement spares for Lakshmi & Rieter Blowroom

Replacement spares for Rieter Carding C-4, C-4A, C-10, C-50, C-51

For further information, please contact :
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08-13 December 2022
IEML, Greater Noida, India

ITMA 2023
08-14 June 2023
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We also manufacture all types of critical spare parts for LR E7/4, LK250, VOUK,MARZOLI, CHERRY HARA COMBERS AND LAP FORMERS

GAYATRI

Delivering Qualitative Excellence

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Model GCGHY-200-25-AF

Cot Grinding Machine
Model GCGHY-200-AF

Hydraulic Cots Mounting &
De-Mounting Machine

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Machine

Auto Feeder with Flocked Clearer
Roller Cleaning Machine

Ultra Violet Treatment
Machine

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INDIA ITME 2022

Hall No. H10
Stall No. H10H21

Our products are specifically engineered and designed for meeting the needs of spinning industry, with our expertise and continued in quality, we are providing leading solutions allowing you to increase efficiency and gain competitive advantage

Other Range of Products

- Eccentricity & taper tester machine
- Ultra violet treatment machine
- Top Roller greasing machine [Vertical]
- Top Roller greasing machine [Automatic]
- Top Roller de - greasing machine
- Clearer roller cleaning machine
- Fluted Roller truing machine
- Cot Mounting machine [Hand/Pneumatic]

GAYATRI

GAYATRI TEXTILE MACHINES

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