VOL. LXIX. NO.06, TEXTILE TRENDS, SEPTEMBER - 2026

Textile Trends

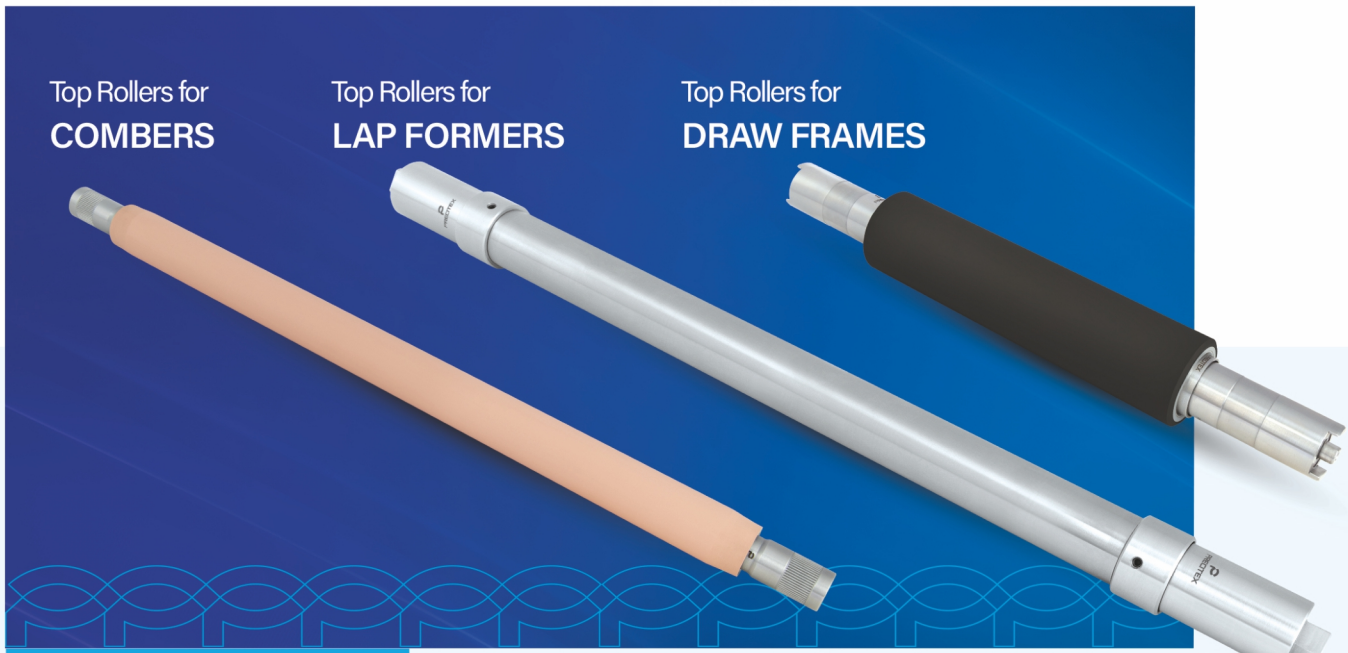
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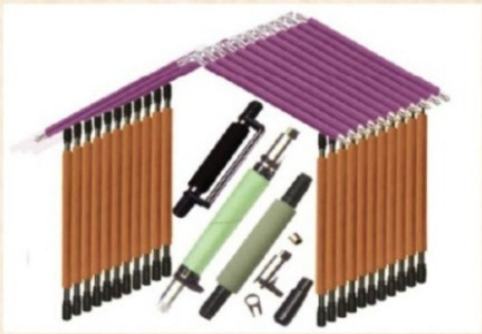
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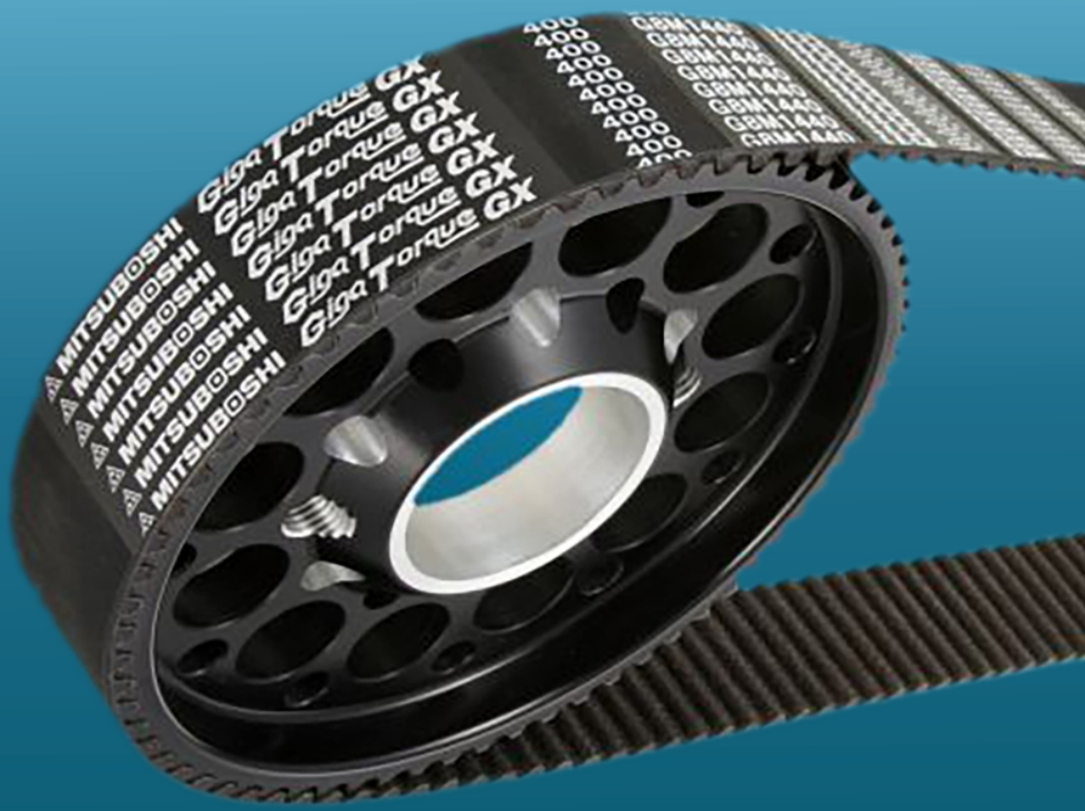
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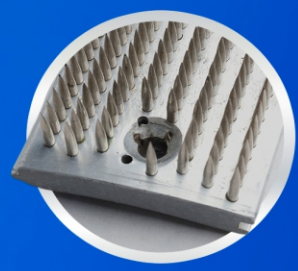


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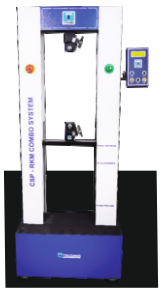
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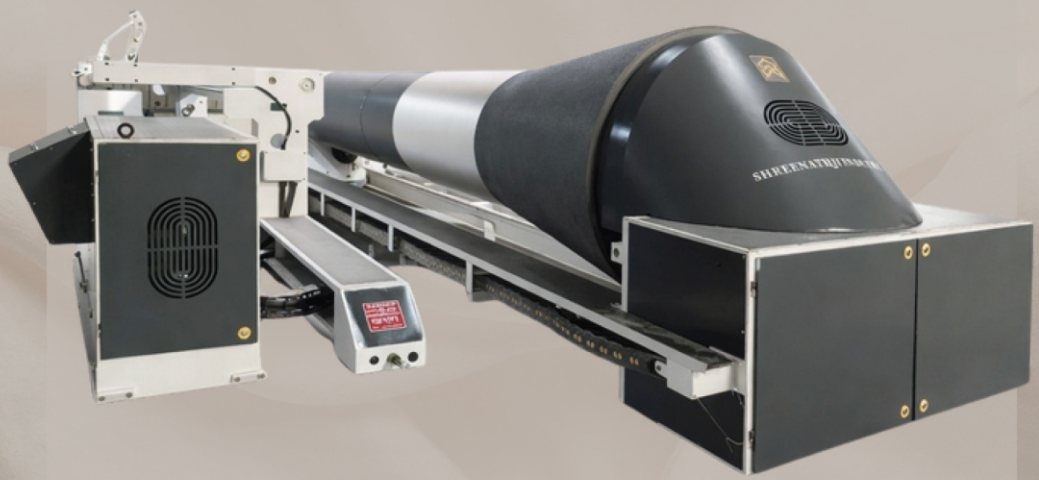
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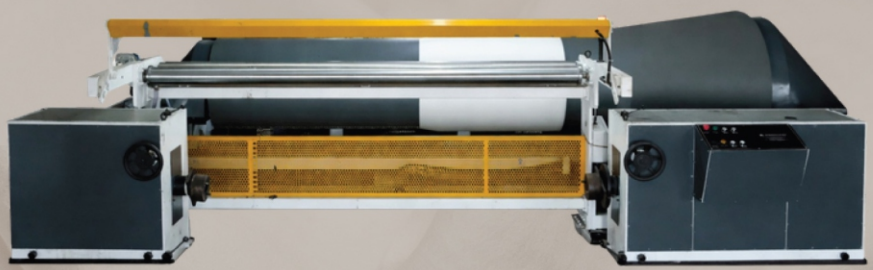
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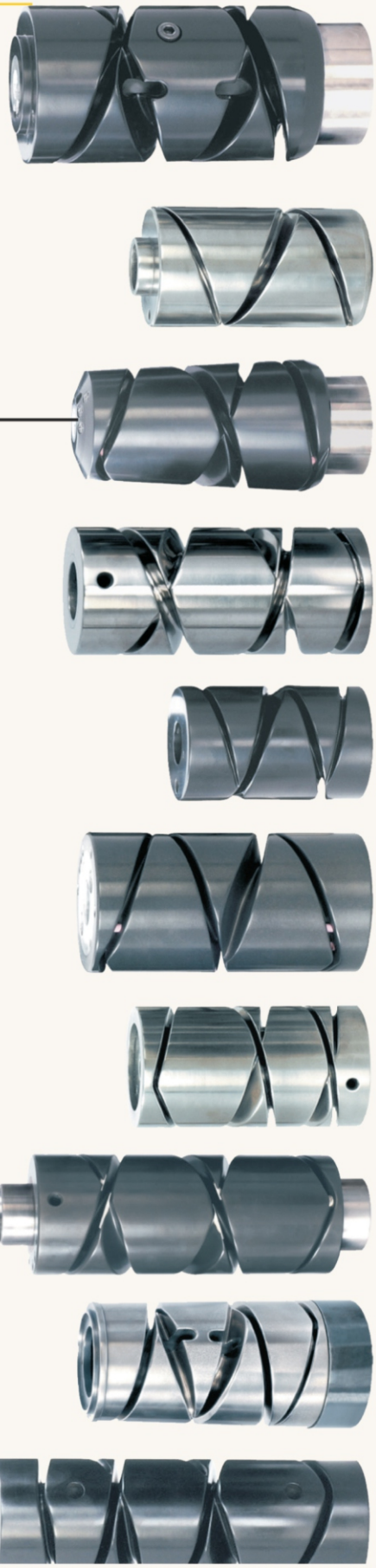
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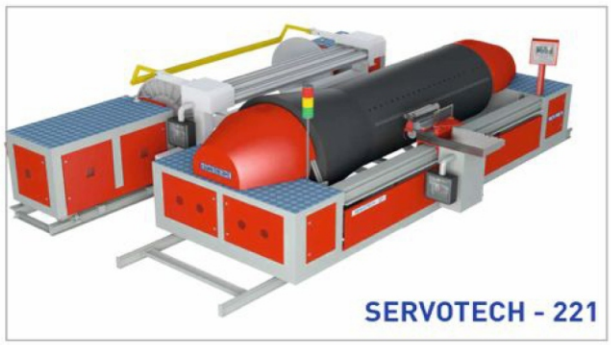
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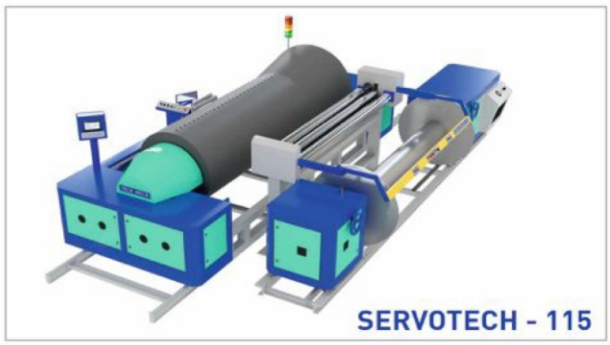
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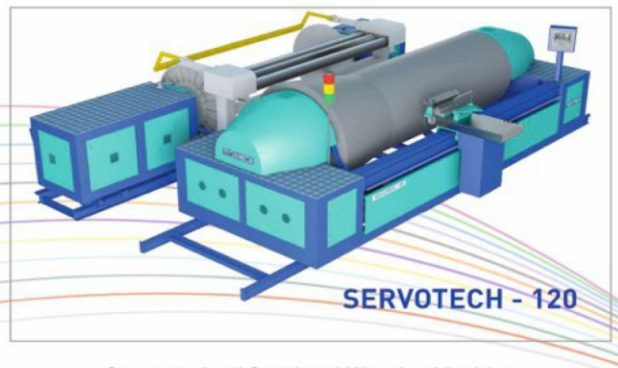
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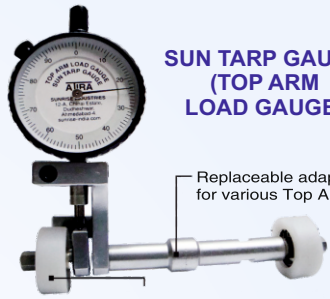
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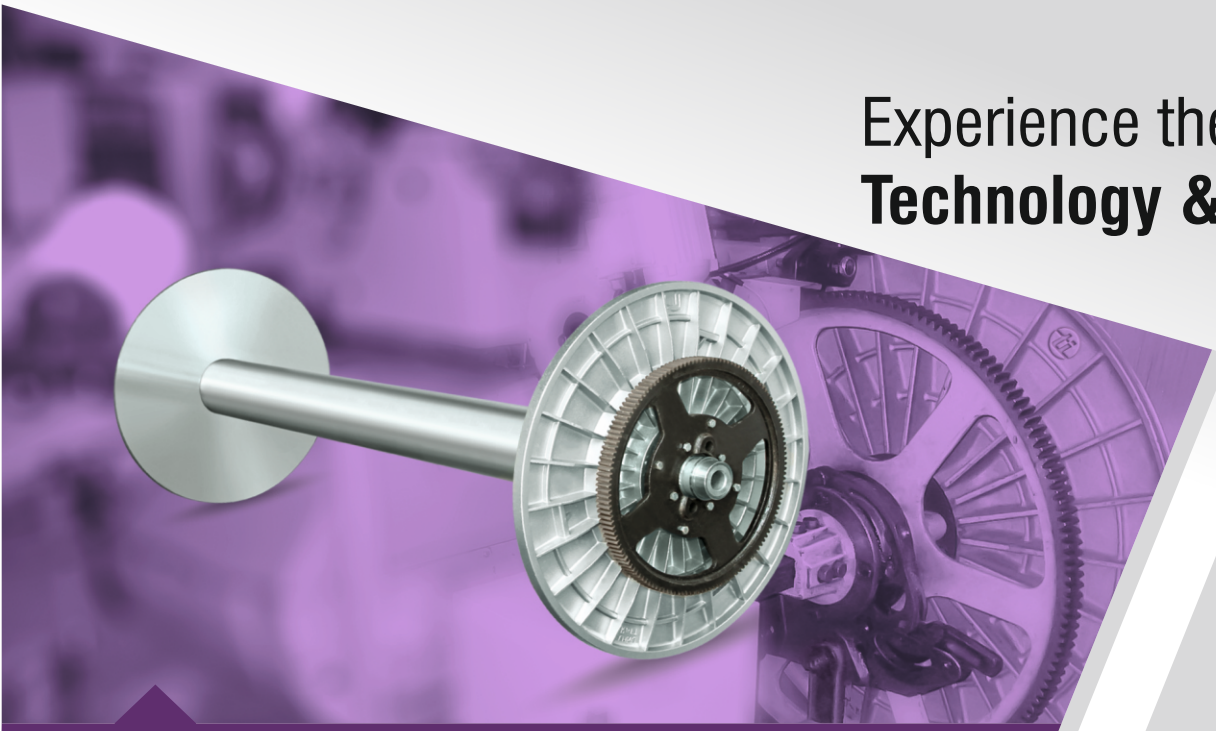
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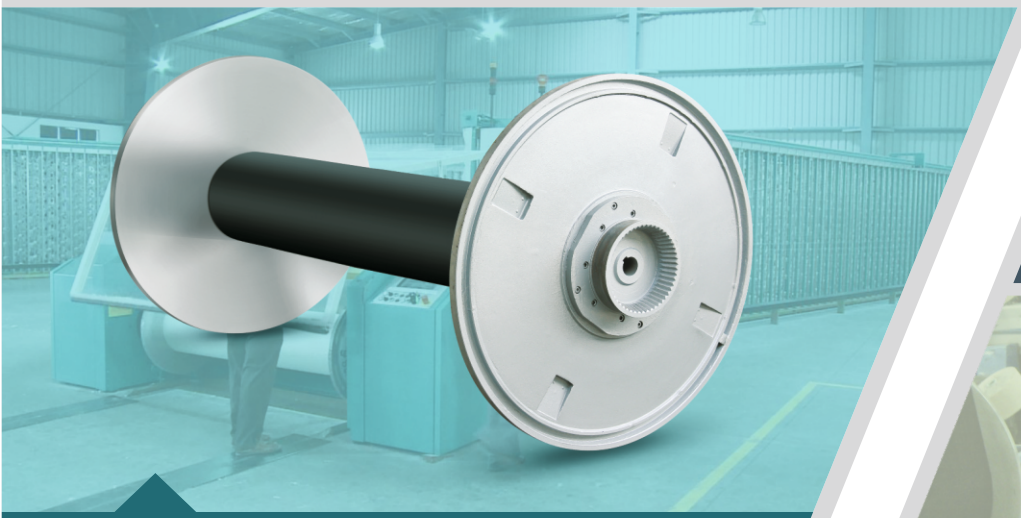
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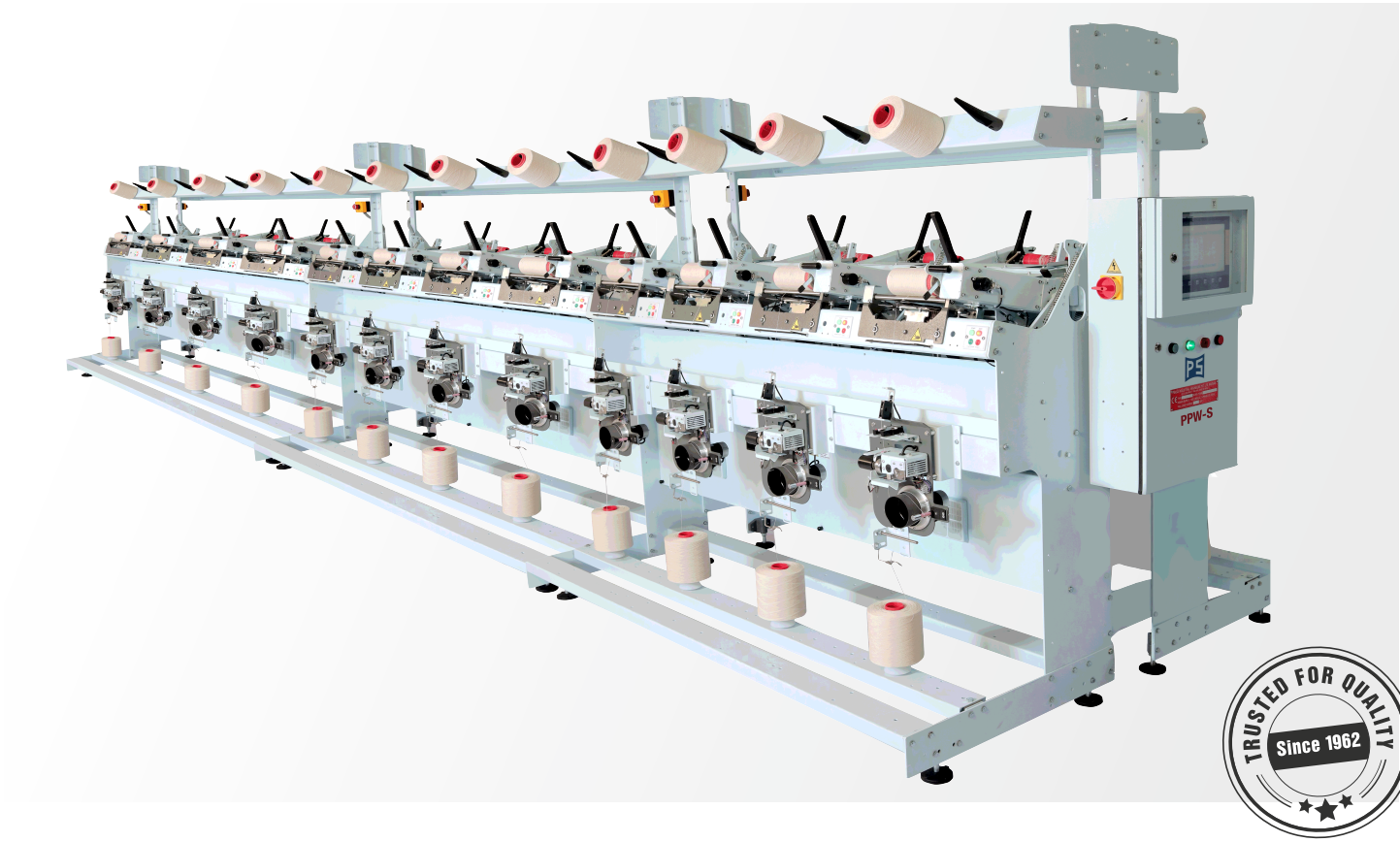
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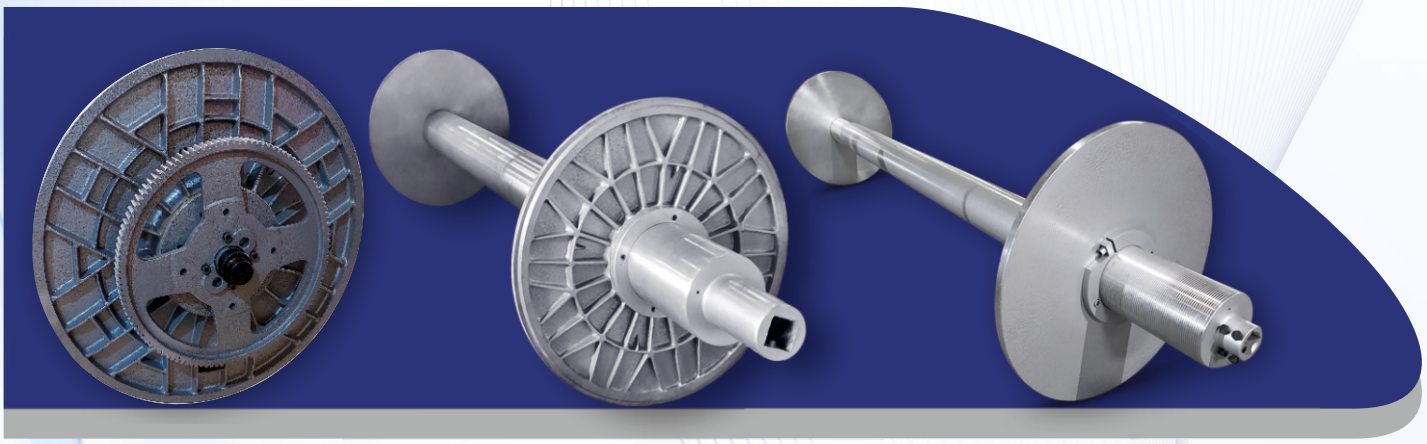
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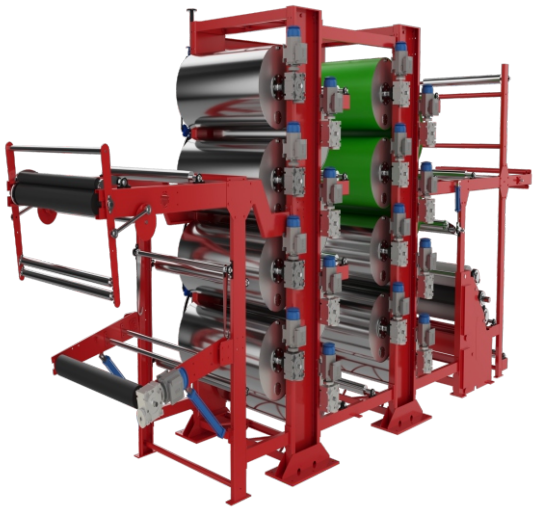
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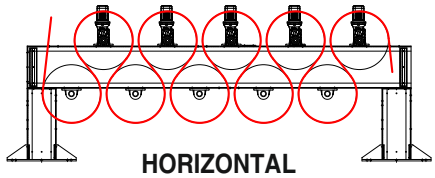
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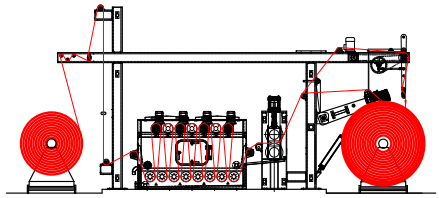
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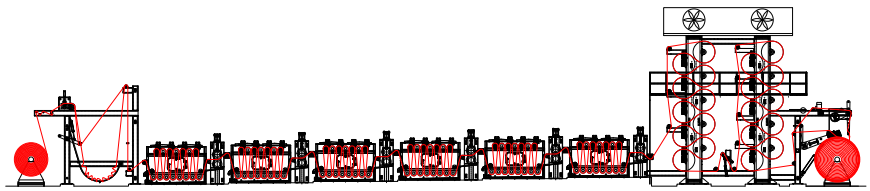
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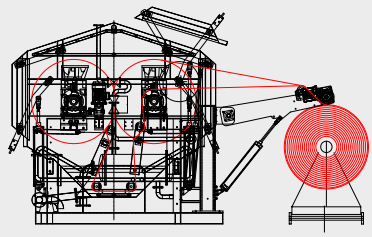
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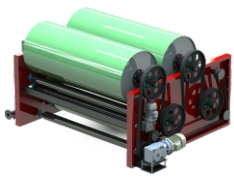
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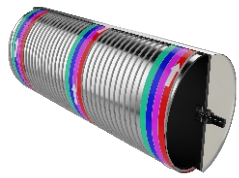
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CONTENTS

Textile Trends
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Editorial	----	27
World Economy and Trade Trends	----	28
Indian Economy and Trade Trends	----	31
Handlooms still plays significant role in India's economy	----	33
Cotton area getting enlarged as monsoon gathers pace, coverage tops 100 lh	----	34
National apparel sizing framework to finalise buying decisions, reduce returns	----	34
India's ancient handloom traditions can transform heritage into a globally competitive creative economy	----	35
From weapons to weaves: Ex-Maoist women walk the ramp in Raipur with hope and independence at a fashion show	----	36
Domestic cotton prices surge over global cues, firm demand	----	36
PM's Handloom vision: Weaving heritage direct sentiment of self reliance and national identity	----	37
Textile ministry close to finalise a national apparel sizing framework	----	37
Global clothing brands try to win over Gen Z with a needle and thread	----	38
LMW expects govt policies, incentives reviving textile machinery demand	----	38
Role of Information Technology (IT) in Bengal's traditional Handloom Weaving Sector — *Niladri Sekhar Singha*	----	39
Designing and Development of Garments for elderly women with physical disability — *Kanchan Rani, Prof. Suman Pant*	----	47
Cotton output to contract in 2025-2026 season	----	53
Self-Motivation challenge in online learning in Fashion Education — *Dr. Shipra Sharma and Dr. Chavi Goyal*	----	54
Export Prospects and Markets	----	59
ITAMMA hosts International Conference on AI — A friend & not enemy of Textile Industry scheduled at Coimbatore on 25th September	----	64
Profile of newly elected Office Bearers of ITAMMA for the year 2026-27	----	68
Corporate News	----	72
Textile Events	----	82
Science in Industry	----	89
Index	----	108



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EDITORIAL

Why Indian men could not pride unlikely Arabs wearing their traditional Dhoti-Kurta/Shirt and Bundi!

Even till mid-twentieth century Indian people go to college, university and workers go to their work place wearing dhoti unless they happened to be scions of Anglicized families. In Kolkata till 1940s all through the college days a Bengali Hindu student wore a long loose collared and cuffed shirt over a white cotton dhoti and slippers or sandals, their attire was not included trousers and laced shoes. But if one used to be called on interview of high official jobs like IFS/ICS he had to comply dress-code and he had to wear suit-boot and had to be skilled in impeccable English because interview boards were biased with British colonial system.

In high official government job atmosphere was never conducive for IFS & ICS officials to wear dhoti-shirt. Achkan—churidar was regarded as India's designated formal attire as declared by Jahar Lal Neheru. Much water has flown down through Ganges— since then, neither suit-boot savoir faire nor 'Cut Glass' accents are now deemed necessary for bureaucratic, diplomatic or corporate careers in India any more. For men, a synthesis between desi and western attire has become acceptable in government, corporate, business and politics.

But yet that Indian ethos has not permeated the corporate world beyond the Bundi. Indian suit-wearers who do not work in government or government-aligned jobs mostly follow international trends in cut and colour, they remain curiously reluctant to make a more definite desi switch to dhoti-kurta for work places. But they are very willful to wear embellished version of the same combination at wedding, thereby referring its appropriateness as formal attire.

Rising temperature and humidity are affecting workers' health and disrupting productivity in garment factory. 'Too Hot to Ignore'; extreme heat in garment supply chain is escalating cost of production. So climate appropriate clothes are to be used in work place as an effective way of reducing cost for cooling and heating offices. Cotton dhoti-Shirt combination is found very convenient and comfortable specially for in summer season in work place. So why should Indian wear— veshti-shirt or dhoti-kurta be associated with politician only? Gulf Arabs wear their thawb and bisht with pride and no loss of power. It is time for Indian men start doing the same with dhoti-kurta/shirt and bundi.

US June Trade Deficit narrows by 5.6% as Imports Shrink

The US trade deficit narrowed in June as imports fell for the first time since the start of the year in a broad decline. The gap in goods and services trade shrank 5.6% from the prior month to $73.3 billion, Commerce Department data showed recently. The value of imports declined 1.8% while exports fell 0.9%. The trade data wrap up a quarter in which net exports continued to weigh on growth. Trade has been volatile month to month amid fluctuating tariff policy, disruptions from war in West Asia and a rush to invest in artificial intelligence. While many levies on imports were struck down by the Supreme Court in the first quarter, the Trump administration is seeking other routes to tariff imports.Imports of computers, peripherals and parts surged in 2025 into early this year as companies aggressively pursue investment in AI. The latest trade report, however, showed imports of computers and semiconductors took a breather in June. The broader capital goods category that includes such equipment declined for the first time since September. On an inflation-adjusted basis, the merchandise trade deficit narrowed to $94.5 billion in June. Meanwhile, the value of outbound US shipments of industrial supplies such as oil and petroleum products decreased 4%. The decline reflected cheaper crude prices and a pullback in volume. Despite the drop in goods exports, shipments of non-monetary gold surged. Trade in this category has been particularly volatile since early last year. By country, the US merchandise-trade deficits with Mexico and Canada widened. The Trump administration has recently decided it won't renew its trade deal with its neighbours, pursuing annual reviews instead, which could fuel additional uncertainty for firms in the months to come. On the services front, spending by international visitors to the US rose for a second month as the Fifa World Cup kicked off. US travel exports, which measure expenditures by non-US citizens, increased 2.4% to the highest since the start of 2025. ❐

China's exports beat expectation with 24% jump on AI infra boom

China's exports beat expectations in July, remaining a key driver of economic growth as the global artificial intelligence (AI) infrastructure boom fuelled demand for high-tech goods and exporters rushed shipments ahead of higher US tariffs. Frictions in China's relations with trading partners may prompt further protectionism in an uncertain global environment due to war in West Asia. China's exports expanded 23.9 per cent year-on-year in US dollar value terms in July, customs data showed recently, slowing from a 27 per cent surge the previous month and compared with a 22.2 per cent rise forecast in a *Reuters* poll. Imports were up 27.5 per cent from July last year, slowing from the 36 per cent jump in June and in line with an expected 27.9 per cent gain..China's central bank stepped up its gold purchases for a fifth straight month in July, adding the most bullion to its reserves since October 2023, official data showed of late. The People's Bank of China extended its gold-buying run to a 21st consecutive month, with reserves rising to 76.08 million fine troy ounces at the end of July from 75.44 million a month earlier. ❐

US Manufacturing surges at strongest pace since 2022

US manufacturing activity expanded in July at the fastest pace in more than four years as demand remained strong, production surged and firms added workers. The Institute for Supply Management's July manufacturing gauge rose to 55.6, the highest since May 2022, according to recent data out. Readings above 50 indicate growth, and the sector has now been above that mark for seven consecutive months. The gauge for production rose to 58.5, its highest level since late 2021, while the employment measure indicated manufacturers increased headcount for the first time since September 2023. New orders growth—a sign of demand—also picked up. The manufacturing sector has gained momentum this year, with factories

benefiting from resilient consumer demand, solid business investment and government outlays on defense. Susan Spence, chair of the ISM Manufacturing Business Survey Committee, said sustained demand, more certainty around tariffs and expectations that war-related disruptions would fade tipped companies toward hiring. The last burst of hiring, in September 2023, lasted only a month. All but one manufacturing industry reported growth in July, with chemical products being the only sector that contracted. Printing, apparel and electrical equipment were among the industries that grew. ❐

Artificial Intelligence raises Q1 global trade despite West Asia conflict: WTO

Global trade in goods grew faster than expected in the Q1 of 2026 despite the out breaking of the West Asia conflict as booming trade in artificial intelligence (AI)-related electronic components offset the negative impact of the dusruptions which began in the final month of the quarter, the World Trade Organization (WTO) said recently.The WTO, however, cautioned that the full impact of the conflict, including the disruption of shipping through the Strait of Hormuz, would only become visible in Q2 trade data, with much steeper contractions expected in trade flows involving the Middle East/West Asia. “The effects of the Strait of Hormuz disruption on world merchandise trade is expected to become visible primarily in data from April 2026 onward,” the report said. According to recent WTO/UNCTAD data, the seasonally adjusted volume of world merchandise trade rose 1.9 per cent in the Q1 of 2026 compared to the previous quarter and 3.2 per cent (exceeding the earlier forecast of 1.9 per cent). "Strong trade in electronic components related to AI outweighed the negative effects of the outbreak of war in the Middle East, including disrupted shipments of goods through the Strait of Hormuz and dampened GDP growth in net fuel-importing countries due to higher energy prices," the report noted. WTO economists expect to see larger contractions in Middle East trade flows by the end of the year, together with stronger growth in Asia and North America. "The global impact, meanwhile, will depend on whether it will be AI boom or the Middle East conflict that predominates," the report stated. The conflict has already taken a heavy toll on Middle East/West Asia trade, it noted. The region’s merchandise export volumes fell 9.7 per cent y-o-y in Q1, while imports declined 11.9 per cent. WTO estimates, based on available reporting country data, also showed world crude oil imports from the Middle East/West Asia falling by around 45 per cent in March, with imports of liquefied natural gas (LNG) and fertilizers declining 52 per cent and 26 per cent, respectively. The WTO expects even larger contractions in the region’s trade during Q2 as the disruption to shipping and energy supplies is more fully reflected in official statistics. Asia emerged as the main engine of global trade growth, with exports rising 12.9 per cent and imports 14.6 per cent y-o-y. The expansion was led by strong intra-regional trade in AI-related goods, with China, Singapore, South Korea, Thailand and Chinese Taipei recording particularly strong export growth. North America’s Q1 exports were up 7 per cent y-o-y. North American imports were down 10.7 per cent from Q1 of 2025, which saw a surge of imports due to front loading ahead of expected tariff increases. ❐

India, EU and others fueling Chinese exports: US report

The US has admitted that its efforts to restrict imports from China with higher tariffs during President Donald Trump’s first term failed as trade shifted and has put 40 countries, including India, on notice with allegations of facilitating transshipments of Chinese products to its markets. It placed India in the group of Tier 1 countries—comprising also Canada, the European Union, Israel, Japan, Mexico, South Korea, and Taiwan—where "illegal transshipment risk is embedded within broad legitimate trade flows." While a report—"The Great Transshipment Scam"—released by White House stops short of

recommending immediate punitive measures, it lays the groundwork for potential trade enforcement actions or leverage in future bilateral trade talks. The report rests on the fact that higher tariffs have brought down imports from China but led to higher imports from other geographies. Based on this, it assumes that Chinese goods are either being shipped through other countries after re-labeling or slight modification or light assembly. Trade experts, however, said substantial Indian manufacturing capacity exists in the product groups listed in the report. The US report suggests strengthening transshipment enforcement and using Artificial Intelligence to support US Customs and Border Protection (CBP) ability to distinguish legitimate nearshoring and foreign investment from illegal pass-through trade, identify high-risk shipments, and convert analytical findings into interdiction, duty collection, penalties, and exclusion. Quoting US government agency's estimates, it says that $67 billion in US-bound goods were transshipped from China through the top hubs—Mexico, India, and Vietnam—in 2025, producing an estimated $2.8 billion in lost tariff revenue. The savings in tariffs enable financing the capital equipment, logistics infrastructure, light assembly plants, repackaging operations, and "screwdriver factories" needed to support the scam across Southeast Asia, Mexico, India, and Eastern Europe. The two products—identified in the case of India are originating from Chennai, Pune and Gujarat. The report suffers from many weaknesses and India should ask the US to disclose the country, product and shipment level basis of its allegations, including India's share of the $67 billion estimate, Founder of Global Trade Research Initiative (GTRI) Ajay Srivastava said. According to GTRI, in FY26, India exported liquid pumps worth $1.61 billion globally, including $414.5 million to the US, while importing $326.4 million from China. India also exported air pumps and gas compressors worth $1.48 billion globally, including $335.4 million to the US, while importing $1.63 billion from China. ❐

World Bank urges emerging nations to embrace AI

Developing Economies must move fast in adopting artificial intelligence for their businesses, Governments and businesses, the World Bank said, urging countries to adapt existing tools to local needs. The Washington-based lender said that emerging countries should not compete with richer economies on building big data centres or creating large language models, while adapting small, low-cost AI tools could drive better medical care and educational outcomes. The bank said that AI could help bring developing countries back to a growth path, as these economies are facing their weakest average economic performance in three decades. "AI is more likely to lend their workers a hand than put them out of work," the report released recently said. "AI could help extend otherwise costly medical, legal, educational, and agricultural services to underserved billions—doing in a decade what might otherwise take a century." Jobs in high-income countries are more than three times as likely to be at risk of automation by generative AI than those in low- and middle-income countries, the report said. AI can address shortages of skilled workers by helping teachers prepare lessons, enable nurses to read medical scans, and give farmers guidance on crop decisions to help make them more productive. The biggest challenge is that some of these countries still struggle with lack of internet access, energy and skills needed to use AI. For instance, three out of 10 rural schools in Sub-Saharan Africa did not have regular access to electricity as of 2024 and 89% of 10-year-olds could not read and understand simple text. AI adoption could widen productivity gaps with richer countries rather than close them without better infrastructure, skills, institutions and access to finance, the World Bank said. The report also warned of job losses in areas such as call centres and entry-level software services, as well as greater inequality, cybersecurity, and dependence on foreign technology. ■

Core sector growth slides in July

Growth in India's nine core sectors decelerated to 5.4 per cent in July from an upwardly revised 6 per cent in June, as five of the nine sectors recorded a deterioration in performance compared with the previous month, according to provisional data released by the Ministry of Commerce and Industry recently. The reading marked the second print under the new series, with 2022-23 as the base year. The series replaced the earlier 2011-12 base and expanded the basket to nine sectors from eight with the addition of iron ore. The overall index rose to 121.2 in July from 120.7 in June. Electricity, which has the highest weight of 30.9 per cent in the index, saw its growth slow to 9 per cent from 11.4 per cent in June. Iron ore, which carries a weight of 4.9 per cent, was the single largest contributor to the slowdown in the headline print, with growth more than halving to 29.5 per cent in July from 44.5 per cent in June. "This alone exerted a downward pressure to the tune of 95 basis points on the core output print in July relative to the previous month," said Aditi Nayar, chief economist at Icra. Data showed that six of the nine sectors registered positive growth during the month. Iron ore, electricity, cement, steel, refinery products and coal remained in positive territory, while natural gas, crude oil and fertilisers contracted. Notably, refinery products, which carry the second-highest weight in the index, reversed course after three consecutive months of contraction. The sector grew at a nine-month high of 2.7 per cent in July, compared with a 4 per cent contraction in June. Cumulatively, the index grew 4.3 per cent during April-July 2026 against 1.5 per cent in the corresponding period a year earlier. Cement output rose to a seven-month high of 13.1 per cent in July from 9.9 per cent in June, while coal output grew sharply to an 11-month high of 7.6 per cent from 1.4 per cent. "The replenishment of inventory after the extended period for construction activity in June, owing to the sizeable monsoon deficit in the month, is likely to have supported cement output in July," said Nayar. On the other hand, steel growth slowed to a series low of 2.9 per cent in July from 5.6 per cent in June.Among sectors that remained in contraction, the declines in crude oil and fertiliser output deepened to 5.3 per cent and 8 per cent, respectively, from 4.2 per cent and 3.3 per cent in June. Fertiliser output contracted for the fifth consecutive month. In contrast, the contraction in natural gas output eased to 3.7 per cent in July from 4.8 per cent in June. ❐

Rise in imports bill pushes trade deficit to 6-month high

A sharp rise in imports in July pushed up India's trade deficit for the month to a six-month high of $31.98 billion even as both merchandise exports and imports hit their second-highest levels in the same period, according to the commerce ministry data released recently. The trade deficit stood at $30.42 billion in June and $27.88 billion in July a year earlier. Imports of goods in July rose to a nine-month high at $76.22 billion while goods exports jumped nearly 20 per cent to $44.24 billion during the month. The commerce department said the rise in exports was owing to elevated prices and a swift rebound in shipments to West Asia following disruption amid the United States-Iran war. The department estimated services exports at $35.89 billion in July, up a little over 6 per cent year-on-year (Y-o-Y), while services imports were estimated to have risen nearly 10 per cent to $18.94 billion. This resulted in an estimated services trade surplus of $16.95 billion. The Reserve Bank of India (RBI) released the data on final services trade in late August. Elevated commodity prices led to the sharp jump in imports in July with crude oil, electronic goods, coal, and fertiliser shipments being the key drivers. India's imports of crude oil rose nearly 18 per cent Y-o-Y to $18.31 billion in July; while that of electronic goods jumped 46 per cent to $14.37 billion. Fertiliser imports grew a little over 55 per cent to $2.48 billion and coal shipments increased 29 per cent to $3.05 billion. India's gold imports were $4.16 billion in July, up nearly 5 per cent Y-o-Y. Inward shipments of chemicals also surged nearly 22 per cent to $1.22 billion. Among exports, those of engineering goods grew nearly 18 per

cent Y-o-Y to $12.24 billion, while outward shipments of electronic goods rose 57 per cent to $5.92 billion. Exports of petroleum products increased nearly 68 per cent to $6.92 billion. India's exports to West Asia inched to $5.70 billion in July from $5.34 billion a year ago. Imports from the region, however, were $9.81 billion, down nearly 21 per cent Y-o-Y. The US remained India's top export market in July with exports rising nearly 13 per cent Y-o-Y to $9.02 billion. India's outward shipments to the US have registered growth in July after falling in each of the last two consecutive months. China continued to be India's largest import source, with inward shipment increasing a little over 34 per cent Y-o-Y to $14.67 billion in July. Exports to China also jumped 65 per cent to $2.20 billion. Experts had a word of caution on the rising import bill and the widening trade deficit. "While imports of energy, capital goods and intermediates are associated with higher domestic economic activities, we need to simultaneously strengthen domestic manufacturing capabilities in critical inputs, electronics, machinery and other areas of high import dependence," Federation of Indian Export Organisations President S C Ralhan said. Economists expect the country's current account deficit to widen in July-September. ❐

India's high income goal faces bumpy roads

NITI Aayog Vice Chairman Ashok Lahiri estimated that the country must achieve an annual average nominal growth rate of 9.25 per cent to become a developed nation by 2047. The country has never witnessed such an expansion for any two decades. After beating China on per capita income growth in the first 20 years from 1960 in dollar terms, India trailed it by a huge margin in the next 40 years. India again beat China in the past six years even though its growth rate was lower than the 9.25 per cent that Lahiri called for. India's growth rate in per capita income a year on average was not far behind China during 1980-2019 — if national currencies are concerned. Higher depreciation of the Rupee than Yuan against the dollar tilted the growth rate in China's favour. For per capita income to rise, investment levels must increase and the incremental capital-output ratio (ICOR) needs to fall. Barring a few odd years, India's investment rate consistently trailed China's. The gap widened starting in the 2010s when China's investment rate went beyond 40 per cent, while India's averaged 30 per cent. However, in the last decade, India's ICOR was below China's. Major East Asian economies took 19-26 years to transition from a lower-middle-income country to the high-income status. However, India has been stuck in the lower-middle income phase for 16 years, since 2010. ❐

Task forces formed to pushup exports

The industries and commerce department has constituted separate task forces for the textile, handicraft, logistics, and agro, food and milk-processing sectors, according to a senior official. Shikhar Agarwal, additional chief secretary, Department of Industries and Commerce, said that Rajasthan is rapidly strengthening its position as a leading exporting state in the country. "In 2025-26, the state's exports exceeded ₹1 trillion, with the textile and allied sectors contributing over ₹13,700 crore," he added. The textile sector constitutes a key pillar of the state's exports, therefore, a task force has been formed to enhance investment, production, and exports in that sector, he added. "Special emphasis will be placed on taking Rajasthan's handicrafts to new markets as they enjoy a unique global identity," Agarwal said. As opportunities in the logistics sector are growing rapidly, he said, a task force has been created to speed up investment and infrastructure development. Despite being a leader in agriculture and milk production, a task force has been constituted to minimise post-harvest losses, ensure better prices for farmers, and promote food processing. He stated that these task forces would ensure better inter-departmental coordination and regular monitoring of projects. This initiative will also play a pivotal role in attracting investment, boosting exports, and creating new job opportunities. ■

Handlooms still plays significant role in India's economy

From the Swadeshi Movement's boycott of British textiles to Mahatma Gandhi's adoption of the spinning wheel as a symbol of self-reliance, weaving became an instrument of economic resistance and national identity. National Handloom Day, marked on August 7, commemorates the launch of the Swadeshi Movement in 1905 and honours generations of Indian weavers.

A legacy beyond craft

Today's handloom sector is often viewed as a small artisanal activity — important culturally but peripheral economically. Long before the Industrial Revolution transformed manufacturing in Europe, India's handlooms were among the world's greatest industrial enterprises. Indian textiles travelled across continents, powered global trade and established India's reputation as one of history's foremost manufacturing economies. Handloom was the backbone of India's manufacturing strength and one of the foundations of its global influence.

The sector remains far more significant than it is generally acknowledged. It provides livelihoods to more than 35 lakh weavers and allied workers across over 31 lakh households, with women constituting nearly 70% of the workforce. It remains one of rural India's largest sources of non-farm employment while producing nearly 15% of the country's cloth despite relying largely on manual technology. Few manufacturing sectors create as many jobs with such modest capital investment.

While celebrated traditions continue to enjoy strong recognition, hundreds of lesser-known weaving traditions face gradual extinction. Younger generations are leaving the profession as returns diminish, markets remain fragmented and traditional skills are no longer transferred within families. Every disappearing weave represents not merely the loss of a product but the disappearance of centuries of accumulated knowledge, distinctive design vocabulary, and cultural identity. Therefore, protecting handloom heritage is not only an economic necessity but also our civilizational duty.

The government's recent policy and programme support seems to be making a difference. The National Handloom Development Programme has focused on skill development, design innovation, technology adoption, branding, and improved market access. Greater integration with e-commerce platforms and expanding export opportunities have enabled many artisan clusters to reach consumers who were previously inaccessible.

Several success stories illustrate what targeted intervention can achieve. The revival of Tangaliya weaving in Gujarat, the transformation of Badturang village in Odisha's Sambalpur district and the growing popularity of Siddipet Gollabhama sarees demonstrate that traditional crafts can thrive when design, market access and institutional support converge. It was more than a fashion statement when Brad Pitt wore a handcrafted shirt in the traditional Tangaliya weave in the F1 film.

The Office of the Development Commissioner for Handlooms, in collaboration with UNESCO, has initiated the identification and documentation of India's languishing and endangered weaves. This should be extended to every nook and corner of the country. This aligns with Textiles Secretary Neelam Shami Rao's focus on promoting India's rich. Geographical Indication (GD-tagged handloom and handicraft products and strengthening their presence in domestic and international markets.

Making handloom aspirational

The next phase of policy must shift from preservation to aspiration. For younger consumers, especially Gen Z, handloom must become contemporary, fashionable, and aspirational rather than merely traditional. Celebrity ambassadors, collaborations with leading designers, limited-collection collaborations, digital storytelling, and partnerships with influencers can reposition handloom as premium lifestyle products. The objective should not be to celebrate handloom because it is old, but because it represents craftsmanship, sustainability, and exclusivity. Limited production should become a premium feature.

India must also think beyond domestic markets. The world increasingly values authenticity, sustainability, and handcrafted luxury — all areas where Indian handlooms enjoy a natural competitive advantage. Expanding exports, self-reliance, stronger branding, better standards, increased sourcing from ancient exports, and building our soft power are essential components of our cultural misappropriation.

Measuring the contribution

India should leverage its traditional weaves, which for some global markets are ancient imports, to build its soft power. Unlike most manufacturing sectors. India's handloom economy is inadequately measured. Policymakers need reliable data on its contribution to GDP, exports, tax revenues, employment and household incomes. Better measurement will enable better policy and allow the sector to be recognised for the economic value it already creates.

Similarly, establilshing a national platform through which States. producer organisations and cooperatives can exchange successful practices would accelerate innovation across the sector.

Handloom is not a relic of India's past ; it is a strategic asset for its future. Few sectors similitaneously generate rural employment, empower women, preserve cultural heritage, promote sustainability, and strengthen India's global brand. As the country pursues the vision of Viksit Bharat, handloom deserves to be viewed as a serious economic sector. The measure of success will be how many looms remain active, profitable, and capable of attracting the next generation of weavers. ■

Cotton area getting enlarged as monsoon gathers pace, coverage tops 100 lh

Cotton sowing has picked up pace with the monsoon gathering momentum across key producing States. The total acreage has crossed 100 lakh hectares (lh) with Telangana, Madhya Pradesh and Andhra Pradesh registering an increase in area compared to last year. The delayed onset and progress of the monsoon pushed back the sowing window by a couple of weeks this year.

Stakeholders said the crop condition is good and expect the area to surpass last year's levels.

Atul Ganatra, Chairman, Crop Committee at the apex trade body Cotton Association of India (CAI), said sowing had been completed on over 100 lh against 103 lh a year ago.

Ganatra said due to the delayed rain, the sowing window for cotton had now been extended till August 25.

"We feel the government's target of over 120 lakh hectares of cotton sowing is very much possible by August 20," he said.

Sowing is taking place on about 50,000 hectares every day, Ganatra said, adding that in Andhra Pradesh, the area had increased by 31 per cent and by 4 per cent in Telangana.

In Gujarat, with the recent rain, coupled with the ₹14,000 per acre subsidy announced by the State government, the cotton acreage is likely to increase by 7-10 per cent this year, he said.

In Maharashtra, the cotton area was 35.76 lh (37.89 lh in the corresponding last year), while in Telangana it was 4 per cent at 17.64 lh. Madhya Pradesh has also seen an increase in area to 5.79 lh (5.52 lh).

Healthy Crop

Ramanoj Das Boob, a sourcing agent in Raichur, said the sowing is complete in Telangana and the crop condition is good. Also, in Raichur, Karnataka and Andhra Pradesh, the crop looks better with recent rain. "Overall, the crop condition looks satisfactory, but there's a need for further big showers to improve the growth of the plants."

In the Khandesh region of Maharashtra, the crop condition looks good, "Though there is deficit rain, the crop condition looks healthy as of now. In the irrigated areas, the crop is good," said Pradeep Jain, Chairman, Khandesh Gin Press Association in Jalgaon. ■

National apparel sizing framework to finalise buying decisions, reduce returns

As the Textiles Ministry is gearing up to finalise a framework for standardisation of Indian apparel sizing, industry players said this move is expected to bring more convenience for consumers, simplify purchase decisions and reduce size-related product returns, especially during online shopping.

However, players also pointed out that the implementation of the national standardised sizing framework should not stifle innovation around fit and design given India's diverse cultural sensibilities and each brand's unique positioning.

Value Chain

Nitin Mohan, Co-founder, Blackberrys, told reporters, "The Indian apparel industry has evolved significantly over the years, and as the market matures, an industry-wide sizing reference can bring greater consistency across the value chain." A framework developed around Indian body measurements can support product development, strengthen planning efficiencies, and provide consumers with greater confidence while shopping across channels.

Unique Approach

"As brands continue to innovate and cater to diverse customer preferences, standardisation should be viewed as an enabling framework that complements, rather than replaces, each brand's unique approach to fit and design," Mohan added.

The Indian apparel market is projected to reach ₹ 16 lakh crore by FY30 from ₹ 9.30 lakh crore in FY25, as per estimates released by CareEdge Ratings in January. Nearly 41 per cent of the industry is in the organised segment.

Akhil Jain, CEO & MD, Madame, said, "We have always believed that great fashion starts with a precise fit, which is why we were among the early brands to tailor our styles specifically around Indian body types. Seeing the Ministry of Textiles champion this through the Indian Size System (ISS) initiative is deeply encouraging."

The Clothing Manufacturers Association of India (CMAI), has been closely associated with this initiative working alongside with NIFT and technical experts from leading apparel brands to help shape a sizing framework that reflects India body measurements. ■

India's ancient handloom traditions can transform heritage into a globally competitive creative economy

The making of a developed nation is not defined by technology alone. It is shaped by the ability to transform enduring strengths into engines of future growth. As India advances towards Viksit Bharat 2047, it is investing in frontier technologies, strengthening manufacturing and building globally competitive industries.

Yet, one of India's greatest strengths has been with India all along — its handloom tradition. On August 7, as India marks the 12th National Handloom Day, it is time to view handloom as a strategic sector for a world that values sustainability, authenticity and resilient supply chains.

Prime Minister Narendra Modi's vision of Viksit Bharat 2047 is built on prosperity, self-reliance, inclusivity and cultural confidence. Handloom embodies this vision by bringing together heritage and innovation, while driving women-led development, rural entrepreneurship, livelihoods and global competitiveness.

Threads of India's Legacy

Every handwoven fabric reflects the courage to preserve tradition, the patience to perfect every thread, the integrity of honest craftsmanship and the wisdom passed down through generations. That is why handloom is not merely a craft, but one of India's greatest civilisational strengths. From the Indus Valley Civilisation, where cotton was first cultivated and woven, to the 18th century when Indian textiles dominated global trade, India set global benchmarks in textile excellence. Bengal's legendary muslin — so fine that a 25-metre length could pass through a ring — along with Banarasi silk, Kanchipuram weave, Pochampally Ikat and countless regional traditions, earned India worldwide admiration.

Today, as the world turns toward authentic, sustainable and handcrafted products, India has a historic opportunity to reclaim that leadership. India's next handloom revolution must export not just textiles, but also craftsmanship, heritage, innovation and trust, making every handloom product an ambassador of brand India.

Transformation through policy

Handloom is India's largest cottage industry, supporting the livelihoods of more than 35 lakh weavers and allied workers, nearly 72% of whom are women. Over the past decade, the Raw Material Supply Scheme, 797 handloom clusters, over 1.24 lakh improved looms, skill upgradation for nearly 97,000 artisans, and initiatives such as Producer Companies, GI tagged products, the Handloom Mark, India Handloom certification, Urban Haats and Design Resource Centres.

Today, 29 Weavers' Service Centres provide end to end support through training, upskilling, design development, raw material assistance and market linkages, while the 11 Indian Institutes of Handloom Technology are being strengthened to expand advanced training and develop niche, high-value handloom products. The forthcoming National Handloom and Handicraft Programme will strengthen 1,800 clusters across 500 districts, benefit 65 lakh weavers and artisans, and establish Handmade in India as a globally recognised brand.

Innovation has always been part of India's handloom journey. Mahatma Gandhi's Ambar Charkha made spinning easier, faster and more efficient, advancing the vision of self-reliance.

More recently, Assam's Maina Loom and Chintranjan Handloom developed in Sivasagar have shown how better loom design can make weaving easier and more productive. The Centre of Excellence for Handloom Technology, established with the Indian Institute of Technology, is developing lighter, stronger and easier to use looms that reduce physical effort and improve productivity, including for persons with disabilities. Under the Centre, the Handloom 4.0 initiatie uses digital tools and Artificial Intelligence to monitor productivity, quality and maintenance, and is being piloted on 100 looms before excpanding across the States.

Technology should empower the artisan, not replace the artisan. Platforms such as VisioNXT can help forecast demand, identify design trends, authenticate genuine handloom products and connect weavers directly with global markets. At the same time, product diversification into premium silk, natural fibres, sustainable fibres and innovatie blends can create high-value products and unlock new markets. Combined with better branding, value addition and direct market access, these innovations can significantly enhance weavers' incomes. The vision is to enable every weaver to earn a dignified and aspirational income, with the ambition of ₹50,000 per month in the years ahead.

India's identity

India's weavers are not merely a workforce. They are entrepreneurs, innovators and creators of value. By enabling them to build brands, move up the value chain and reach global markets, handloom can be best transformed into one of India's most dynamic creative industries. This is also a call to India's youth to bring together heritage and technology, creativity and enterprise, to shape the next chapter of handloom.

On this National Handloom Day, let us celebrate India's weavers not only as custodians of our heritage, but also as architects of India's progress. Every handloom product we buy and wear strengthens a weaver's livelihood, preserves a timeless tradition and carries India's story to the world. ■

From weapons to weaves : Ex-Maoist women walk the ramp in Raipur with hope and independence at a fashion show

Nine tribal women walked the ramp at a fashion show in Raipur to commemorate the National Handloom Day on August 7.

But, there was more to them than just showcasing fashion — they once wielded guns, as naxals their reign of terror spanned Chhattisgarh and adjoining Telangana.

The rehabilitated women naxals, who participated in the fashion show, were Poonam Deve, Madvi Deve, Medium Gangi, Madvi Nandni, Dondi Rame, Madkam Bhime, Podiyam Raje, Pooname Jyoti, and Hidme Markam. While one of them gave up arms and surrendered at Sukma, the remaining did that in Telangana, and were rehabilitated at a centre next to the district hospital in Sukma which came up in March last year, Chhattisgarh sub-inspector Sheikh Abdul, who is in-charge of the facility, told reporters.

According to Suman Morya, who looks after the reformed women naxalies at the centre, two of them — Medium Gangi alias Sundari and Madkam Bhime alias Sunita — were Platoon Party Committee Members (PPCM) of the CPI-Maoist organisation. The PPCM would be a part of leadership embedded within a military platoon. They were tasked with managing ideological training, party discipline, and political alignment alongside military commanders in tactical guerrilla units.

Overall there are 44 female and 85 male reformed Naxalites residing at the rehabilitation centre at Sukma, she stated.

Their confident walk reflected their new lives and carried a message of hope.

"These women are now embracing a new path built on skill, culture and dignity," said the State government officials. After rehabilitation, whoever wants to go home will be released and the remaining who face threat to their lives will remain at the rehabilitation centre, they explained.

"Koshal Fab'

At the event, Chief Minister Vishnu Deo Sai launched "Koshal Fab", a premium brand aimed at giving Chhattisgarh's traditional Kosa silk a stronger market identity.

"Together, the women's confidence on the ramp and the Kosa woven on traditional looms conveyed a simple message: Bastar's new identity is being shaped not by guns, but by skill, culture and self-reliance," officials remarked.

India was declared free from Left-Wing Extremism or Naxalism as of March 31 this year.■

Domestic cotton prices surge over global cues, firm demand

Cotton prices in the domestic market have strengthened further, tracking the global trend and firm domestic demand.

Recently the Cotton Corporation of India increased prices by ₹700 per candy (356 kg) on firm demand from mills, amid depleting stocks. A potential delay in new crop arrivals is seen aiding the price trend, stakeholders said, Mean-while cotton acreage, after trailing last year's levels for most of the sowing season, has now caught up with the area estimated at over 106 lakh hectares (lh) as of 7th August.

In Gujarat, cotton area picked up and as on August 7 stood marginally higher at 20.87 lh (20.35 lh). Other States reporting higher acreage include Telangana at 19.05 lh (17.68 lh), Madhya Pradesh at 5.81 lh (5.56 lh), Andhra Pradesh at 3.46 lh (3.29 lh), Tamil Nadu at 0.5 lh (0.05 lh) and Odisha at 2.24 lh (2.06 lh). In Maharashtra, the acreage stood marginally lower at 37.84 lh (38.28 lh), Karnataka at 6.97 lh (7.59 lh) and Rajasthan at 5.53 lh (6.28 lh).

CCI Prices Surge

"Overall prices of CCI cotton are up by around ₹1,400 per candy in the middle weeks of August as the cotton market continued to rule firm as the arrival of the new crop is delayed due to the late onset of monsoon and consequent delay in sowing," said Ramaraj Das Booth, a sourcing agent at Raichur.

Considering the firm demand, the resale market is also witnessing good demand. Pressed bale cotton prices are ruling around ₹67,500-68,500 per candy, while resellers and multinationals' quotes are approximately higher by around ₹1,000 above CCI prices.

Despite the increase in prices, the CCI is witnessing good daily sales, Das Boob said, adding that total sales on 10th August were estimated around 70,000 bales.

Meanwhile, cotton futures on the ICE for December continue to gain and are hovering around 84 cents per pound.

"A weaker dollar, weather concerns in the major US domestic growing region, tightening global stock expectations and improving demand sentiment supported the market," according to Anand Popat of CotYarn TradeLink. ■

PM'S Handloom vision : Weaving heritage direct sentiment of self reliance and national identity

In the vast landscape of Indian heritage, few traditions embody our civilisational identity as intimately as our handlooms, where a single woven thread can trace its origins back to a specific town, family or centuries-old tradition.

The heavy drape of Banarasi silk, the natural golden sheen of Assam's Muga, the geometric symmetry of Patan Patola or the temple borders of a Kanchipuram saree, each weave carries centuries of collective memory.

These handlooms serve as living archives to civilisation, safeguarding stories, beliefs, landscapes and communities that have endured across generations.

It is this extraordinary continuity that Bharat honours annually on National Handloom Day. The choice of August 7 is not accidental. On this day in 1905, through the Swadeshi movement, handwoven cloth stopped being just a household commodity and became a tool of economic resistance. Choosing local weave over imported textiles was a direct statement of self-reliance and national identity.

Today, as we advance toward the vision of Aatmanirbhar and Viksit Bharat, that foundational spirit finds expression.

Scale of creativity

Beyond its historical importance, handloom is proving to be a practical driver of rural enterprise and local employment. The farsighted vision of Prime Minister Narendra Modi for the handloom sector has brought it renewed policy attention, with a strong emphasis on empowering weavers, strengthening value chains and positioning handlooms as a symbol of Aatmanirbhar Bharat and India's global cultural soft power.

This sector supports nearly 35 lakh weavers and allied artisans, with women comprising over 72 per cent of this workforce.

Under the guidance of Union Minister of Textiles, Giriraj Singh, the Ministry has pursued a strategic vision — ensuring that artisans not only preserve tradition but also achieve tangible prosperity through it. Targeted initiatives, such as the National Handloom Development Programme, Raw Material Supply Scheme, Weavers' Mudra Scheme, and Hathkargha Samvardhan Sahayata, along with specialised design development programmes and market assistance, have strengthened the value chain. Through financial inclusion, equipment modernisation, robust infrastructure, digital storefronts, product diversification and structured capacity building via SAMARTH training, weavers are being empowered to adapt to contemporary markets with confidence.

Local to global

Long before "sustainable fashion" became a buzzword, Indian handlooms operated on low-carbon principles through manual looms, minimal power consumption, plant-based or low-impact dyes, and localised material sourcing. In an era dominated by synthetic waste and fast-fashion overproduction, handlooms prove that economic progress and environmental consciousness can seamlessly coexist.

Driven by this global shift towards conscious consumption, Indian handlooms are captivating new audiences through participation in international expositions, Geographical Indication (GI) protection, strategic branding, e-commerce integration and high-level designer collaborations.

The future of this sector will be defined not only by seasoned master artisans but also by emerging designers, entrepreneurs, researchers and tech innovators. Their capacity to synthesise heritage-craftsman-ship with modern design aesthetics, digital storytelling and global brand positioning will shape the next era of handloom legacy.

The observance of National Handloom Day reminds us that a purchase of a handloom means contributing to the livelihood of India's artisans and preserving hundreds of years of artisan-ship. Making a decision to use a handloom is more than just putting on a cloth, it is honouring an age-old tradition with pride. ■

Textile ministry close to finalise a national apparel sizing framework

The next time you pick up a 'medium' size shirt or any other garment, it could finally mean procuring a standardised apparel product across brands regardless of individual body types, as the government moves towards a one-size-fits-all approach, similar to Europe and the US.

The textiles ministry is close to finalising a national apparel sizing framework, with discussions leaning towards adopting alphabetical sizes such as S (small), M (medium), and L (large), said a government official. "Sizes have been fixed... Focus is now on defining the acceptable variation within each size category, as revising the standards after they are notified would be challenging," the official told reporters.

The broader aim is to keep it simple and adopt a standard that has familiarity in the country, the official said, pointing out that generally people aren't very comfortable with numerical sizes. Small, medium, and large apparel sizes resonate with a larger consumer base, the official said.

A task group comprising industry representatives, retailers, and the ministry is now firming up the finer details of the framework. ■

Global clothing brands try to win over Gen Z with a needle and thread

Encouraging Customers to mend worn clothes instead of buying new ones might seem like a defeating sales strategy.

But in-store repairs and sewing workshops are becoming essential retail services for clothing brands as they try to appeal to young consumers who want to save money and the planet.

While luxury fashion houses and select specialty retailers like Patagonia and L.L. Bean have offered product repairs for decades, the concept has caught on. Jeans giant Levi Strauss & Co., casual wear chain Uniqlo and budget retailer Primark are a few of the apparel companies hoping to win over Generation Z shoppers with a needle and thread.

Levi's created a hand-stitching course for high school students after determining that many members of Gen Z lacked the sewing skills to match their interest in thrift store shopping and sustainability. Employees spend 90 minutes instructing teenagers on four tasks: sewing on a button, hemming, patching a hole and fixing a tear.

The Wear Longer programme, which the San Francisco-based company is expanding across the US, builds on the repair and customisation services Levi's offers at hundreds of stores worldwide. "We think it's important to empower the people who buy our clothes with the skill sets to maintain them, to get them to that second life," Paul Dillinger, Levi's head of global design innovation, said.

Detroit resident Chloe Halperin, 25, is the kind of consumer retailers hope to attract with a "fix it, don't ditch it" message. In high school, Halprin shopped at inexpensive, trendy stores. Fixing a big rip felt beyond her limited sewing ability. If she damage a top or skirt from. Forever 21, "I might just throw it away." These days, Halprin buys most of her clothes secondhand. She recently learned to hem with a sewing machine and hopes to tackle projects like turning a skirt into a shirt.

"I try to be conscientious of my carbon footprint," Halperin, a nonprofit grant writer, said. "I really don't like waste. I'm trying to save money as well."

Mending is a tiny part of cutting the world's mountains of textile waste.

The evolution of mending from an economic necessity and traditional craft to a method for cultivating customers didn't happen overnight. The fashion industry as a whole has an overwhelming pressure to reduce its contributions to environmental pollution and climate change.

Textile waste — which includes manufacturing remnants, unwanted clothes and linens, and unsold products — is one of the industry's most pressing challenges.

Each year, the world generates fabric waste at a rate equivalent to a garbage truck's worth getting dumped or incinerated every second, the United Nations Environment Programme estimates.

Researchers broadly agree that repairing and reselling clothes can reduce a garment's environmental impact. But many caution the set continued growth in clothing output and consumption. ■

LMW expects govt policies, incentives reviving textile machinery demand

LMW Ltd, the Coimbatore-based textile machinery manufacturer, expects gradual recovery in demand for textile machinery, supported by new State policies, improving mill economics and the implementation of free trade agreements (FTAs). The company also flagged rising manufacturing costs.

Speaking during the company's post-results analyst call, Chief Financial Officer V Senthil said the textile machinery division (TMD) had a healthy order book of ₹3,200 crore, of which ₹2,400 crore comprises active orders backed by customer advances.

Investment Interest

"The order book is secure because we consider only orders backed by a 10 per cent advance. While the market has not returned to the strong investment cycle seen two to three years ago, we are witnessing encouraging signs of recovery," he said.

Fresh investment proposals were emerging, aided by textile incentive schemes announced by States such as Gujarat, Odisha and Madhya Pradesh. The Gujarat policy, in particular, had extended incentives to spinning units, which the company believes will stimulate new investments.

"The recovery may not be sharp, but we expect a gradual increase in spindle installations. Modernization will eventually become necessary to remain cost competitive," he said.

Senthil also said that higher raw material, logistics and energy costs had increased manufacturing expenses by around 3-3.5 percent.

The company is mitigating the impact through localisation, cost optimisation and selective price revisions, he said. LMW reported a five-fold increase in consolidated net profit for the first quarter ended June 30, 2026. Net profit rose to ₹55 crore from ₹11 crore in the corresponding quarter last year, while revenue increased 24 per cent to ₹861 crore (₹694 crore).

On LMW's earlier disclosed plans to foray into sectors such as EVs, renewables, robotics and pharma, the CFO said the proposal to amend the objects clause of its Memorandum of Association to enter multiple new sectors was only an enabling resolution and did not indicate any immediate diversification plans. ■

ROLE OF INFORMATION TECHNOLOGY (IT) IN BENGAL'S TRADITIONAL HANDLOOM WEAVING SECTOR

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Abstract

India's traditional handloom weaving industry has a glorious history from the immortal past. Indian clothes were very popular in ancient Greece, Rome, Babylon, and many other countries. In per colonial period, India earned a huge wealth by exporting traditional handloom textile products. Indian clothes were so popular in Europe that during the colonial period, the British government imposed a long-term tax policy on traditional handloom weavers and traders. Draconian taxes were imposed on Indian clothing imported into Britain, whereas Britain relaxed the tax and duty on the export of British textiles to India. It badly affected the glorious traditional handloom weaving sector of India. Many traditional weavers left their profession and the traditional weaving sector gradually losing its glorious history. The glorious history of the Indian traditional weaving sector becomes incomplete without the Bengal chapter. Bengal's traditional handloom weaver's products were very popular not only in India but also abroad. Bengal's weavers are experts in the production of Tangail, Baluchari, Garad, Jamdani, Dhaniakhali, Maslin, Santipuri Sarees. and so many others, and recently three of them also got GI tags. In the 1995-96 handloom census of West Bengal 3.5 lakh handloom employed 6.6 lakh weavers which dropped down to 2.83 lakh handloom and 6.39 lakh employment in 2019-20census, but the production and export of traditional handloom products gradually increased after the development of information technology (IT). Almost 50% of the Indian population now use the internet (759 million, 2022), Development of E-commerce, digital marketing, social networking, improvement of online transaction facility, application of computers for designing sarees, application of digital technology in different arenas of handloom sector empower weaving sector. This paper tries to find out the role of modern information technology (IT) in the traditional weaving sector of Bengal.

Keywords: Traditional Weaving, Information Technology (IT), Traditional Weaving and IT, Bengal's traditional handloom weavers.

The Journey of India's Traditional Handloom Weaving Sector

India's traditional handloom weaving industry has a glorious history from the immortal past. Indian clothes were very popular in ancient Greece, Rome, Babylon, and many other countries. During the colonial period, India earned a huge wealth by exporting traditional handloom textile products. Indian clothes were very popular in Europe during the colonial period. Around 2500-2000 BC, the Harappa and Mohenjo-Daro civilizations were highly successful because of their traditional handloom weaving. During the excavation of these civilizations, along with the mini figurines and engraved seals, many spinning whorls of wool, anchors, cotton, and copper sewing needles were found. An impression of woven fabric and a large number of cotton seeds were also unearthed. (Soundarapandian, 2002).

Cloth weaving was also mentioned in the Vedic period, and different terms were used to describe weavers and cloths in India. The Ramayana stated that Sita's clothing was made of wool and embellished with precious stones and silk thread. The Vedas contain references to the textile industry. It is believed by scholars that the textile industry expanded during the later Vedic period, even though knitting fabric is mentioned in the Ṛgveda. The Ṛgvedic period reveals Aryans' expertise in creating fine decorative clothes, as evidenced by Varundeva's beautiful appearance in the Ṛgveda. (Mallick, 2018)

Indian craftsmanship is highly sought after globally, with cotton and silk being the major fabrics during the Mughal era. Mughal India was renowned for its vibrant, printed textiles, which were imported to Europe and became a significant trend. The 16th century saw the 'Golden Age of Textile Production', marked by the introduction of diverse dye sources, refined weaving techniques, and new floral themes. Foreigners were attracted to the intricate patterns of Kalamkari, leading to their export to Europe during the Mughal era. (Dey, 2015).

Indian clothes were so popular in Europe that, during the colonial period, the British government imposed a long-term tax policy on traditional handloom weavers and traders. Draconian taxes

were imposed on Indian clothing imported into Britain, whereas Britain relaxed the tax and duty on the export of British textiles to India. It badly affected the glorious traditional handloom weaving sector in India. Many traditional weavers left their profession, and the traditional weaving sector gradually lost its glorious history. India had been producing 25% of the world's textiles before colonialism, but it dropped to just 2% by the time British rule ended. (Fabriclore V, 2022). By the 1810s, the number of British textile exports to India was greater than that of India. The 1820s saw a gradual decrease in demand for Indian hand-woven fabrics due to Indian yarn costing twice as much as English yarn. Millions of skilled weavers lost their jobs due to the decline of Indian textiles in the 19th century. The Khadi movement was started by Gandhiji to promote hand-woven fabrics in India, but it was hard to compete. The movement was able to evolve Indian handloom fabrics with European designs, despite the competition from British textiles and government support. Brocades that used to be produced in the streets of Varanasi witnessed influence from the West. Traditional Indian plant designs have shifted to modern motifs and patterns. From here, modernization started in the Indian traditional handloom weaving sector. The Indian traditional handloom weaving sector experienced a slight boost during the Second World War, as the war had an impact on British imports, and domestic companies were also producing military products like uniforms and bags. August 15, 1947, was a pivotal moment for the handloom weavers of India. The spinning wheel, Charkha, was used by Mahatma Gandhi as a symbol of national rejuvenation. (Kumar et al., 2021; Fabriclore, 2022)

After India's independence, the traditional handloom weaving sector was given priority treatment. During India's independence, the handloom sector faced challenges due to poor quality and inadequate marketing infrastructure. The All-India Handloom Board was reconstituted in 1945 to advise the government and propose schemes for handloom development. Parliament passed the Khadi and Other Handloom Industries Development Act in 1953 to raise funds and organize weavers' cooperatives. The Weavers Service Centre and Indian Institute of Handloom Technology were established for applied research, service, and training. The Handloom and Handicrafts Export Corporation of India Ltd. was established in 1958 to promote handloom exports. (High Commission of India, Lilongwe, 2021),

The Ministry of Textiles is promoting sustainable development in the handloom sector through various schemes, including skill upgradation, product diversification, technology upgrades, improved access to subsidized raw materials, low-interest credit, infrastructure development, brand building, and marketing assistance. These initiatives aim to increase earnings for weavers and workers and link handloom with high-end fashion. The Government of India launched many schemes for the development of the traditional handloom weaving sector, among them the Cluster Development Programme (CDP), skill upgradation, Hatkharga Samvardhan Sahayata (looms and accessories), the construction of work sheds, engaging designers, the MUDRA Loan, the Handloom Weavers' Welfare Scheme for universal and affordable Social Security to handloom weavers and workers, including life, accidental, and disability insurance, financial support, the Bunkar Mitra helpline program, the Handloom Awards program, etc. This welfare program is somehow able to rejuvenate the traditional handloom weaving sector in India. (GOI, 2021)

India is home to 95% of the world's total hand-woven fabric. After agriculture, handloom weaving is the second-largest job sector in the nation. With 23.77 lakh looms, the handloom industry is the largest cottage industry in our country, and it is the second largest employment provider after agriculture. According to the 2019–20 handloom census, this industry employs about 35,22,512 handloom workers across the country, and out of them, 72.29% are female workers. (Bhowmik 2019; GOI, 2020)

The glorious history of the Indian traditional weaving sector becomes incomplete without the Bengal chapter. Bengal's traditional handloom weaver's products were very popular not only in India but also abroad. Bengal's weavers are experts in the production of Tangail, Baluchari, Garad, Jamdani, Dhaniakhali, Maslin, Santipuri Sarees, and so many others, and recently three of them also got GI tags. In the 1995–96 handloom census of West Bengal, 3.5 lakh handloom employed 6.6 lakh weavers, which dropped to 2.83 lakh handloom and 6.39 lakh employment

in the 2019–20 census, but the production and export of traditional handloom products gradually increased (Bhattacharya and Sen,2018; Ministry of Textiles 2009,2019,2023)

India is passing through the era of science and technology. According to the Internet and Mobile Association of India report 59% or 759 million Indians are actively using the Internet.The development of e-commerce, digital marketing, social networking, improvement of online transaction facilities, application of computers for designing sarees, and application of digital technology in different arenas of the handloom sector empower the weaving sector. So the main objective of this paper is to find out the role of modern information technology (IT) in the traditional weaving sector of Bengal and also to understand the challenges. (ICUBE, 2022)

Bengal's Traditional Handloom Sector

Bengal's handloom industry has a golden past. The weaving industry of Bengal reached its peak during the era of the Sultanate and Mughal. Abul-Fazl's book 'Ain-e-Akbari' mentions textile factories in Bengal. High-quality "muslin" was manufactured in Bengal. Emperor Akbar was personally fond of the liter weaving of handlooms. Nur Jahan Bagam was also particularly fond of muslin produced in Bengal. In addition to Maslin, Nilambri, Meghdambru, and Near Melanietc, sarees leave a deep footprint in Bengal's literature and folk culture. During the period of Laxman Sen, Santipur became the handloom hub, but the weavers of Santipur were not so perfect at producing fine yarn like the weavers of Dhaka. Laxman Sen invited some excellent Maslin weavers from Dhaka to settle down in Santipur. They were not successful because of the weather difference, but the thing they made was like muslin and was admired abroad. The name of this garment was Malmal. India had significant foreign exchange profits from the export of textiles during the Sultanate and Mughal eras. The trade reached its peak during the period 1600–1700 AD. With the arrival of the British East India Company, Bengal's textile sector experienced its darkest days. (Debnath, 2022)

The handloom sector of West Bengal is one of the leading decentralized, labor-intensive sectors. It is the largest cottage industrial sector of the state, providing employment opportunities to a large number of people only next to agriculture. According to a 2009–2010 Ministry of Textiles, Government of India census, there are 3,07,829 handlooms in West Bengal, providing direct and indirect employment for roughly 6,65,006 people, which a little bit dropped in the 2019–20 handloom census, and it now has 2,83,404 handlooms with roughly 6,31,447 direct or indirect workers. (wbmsmet.gov.in, 2020).

Bengal's handloom sector contributes 35.3% of total saree production in India and also contributes 12% of towel, napkin, and gamcha production. Many handloom products are produced in West Bengal (Handloom Census 2019–20). Different districts are experts in the production of different handloom items. Nadia and Bardhaman districts are famous for Tangail, Jamdani, and Santipurisaree production, whereas Hooghly is popular for Dhaniakhali, Begampuri saree, and Fine Cotton Dhoti production. Darjeeling is well known for its woolen shawl. Bankura is popular for Baluchari Sarees, Silk Than, Shirting, and Tassar Scarf, whereas Birbhum district is famous for Tassar Than and Shirting (Bag,2021). According to West Bengal Handloom Organization report.

District-wise handloom product manufacturing details (According to West Bengal Handloom Organization)

I. Bankura - Baluchari Sarees, SilkThan, Shirting, Tassar Scarf
II. Burdwan – Tangail, Jamdani Sarees, Exportable Fabrics (Scarf, Stole, Home furnishing), Coarser Sarees, Gamcha, Lungi, Cotton Khadi, Shirtings, Debipur Dhuti.
III. Birbhum – Tassar Than, Shirting.
IV. Cooch Behar- Tangail Saree, Fine Cotton Sarees, Coarser Saree
V. Darjeeling- Woolen Shawal, Coarser Saree
VI. Dakshin Dinajpur- Tangail Saree, Fine Cotton Sarees
VII. Howrah - Fine Cotton Sarees, Dhuti, Shirting, Furnishing Fabrics, Gamcha, Coarser Sarees
VIII. Hooghly - Dhaniakhali, Begumpuri Sarees, Fine Cotton Dhuty, Sarees, Coarser Sarees
IX. Jalpaiguri - Coarser Saree,Gamcha
X. Murshidabad - Silk Than, Silk shirting, Koria Saree, Coarser Cotton

XI. Nadia - Tangail, Jamdani, Santipuri Sarees, Dress materials, Lungi, Exportable Fabrics (Scarf, Stole), Coarser Sarees, Gamcha

XII. Paschim Midnapore- Fine & Coarser Saree, Tassar Than, Cotton Shirting

XIII. Purba Midnapore - Coarser Sarees, Shirting, Furnishing Gamcha

XIV. Purulia - Tassar Than, Silk Shirting, Coarser Cotton Sarees, Gamcha

XV. Uttar Dinajpur- Gamcha, Coarser Saree, Jute furnishing

XVI. 24-Parganas(N) - Gauze, Bandage, Gamcha, Lungi, Coarser Sarees

XVII. 24-Parganas(S) - Fine Cotton Sarees, Coarser Sarees, Gamcha

The traditional handloom industry in Bengal has a bright future. As the second-largest employment-generating sector after agriculture, the weaving sector has become more significant in Bengal's economy. This sector also earns a good amount of foreign currency through the export of handloom goods (Das, 2017). According to the West Bengal Handloom Organization report, there are five central marketing organizations under the MSSE&T Dept. that procure handloom cloth from primary weavers' co-op societies and weavers outside co-operatives and sell the materials through their retail outlets. The organizations are The West Bengal State Handloom Weavers Co-op. Society Ltd. (Tantuja), West Bengal Handicrafts Development Corporation Ltd. (Manjusha), The West Bengal State Handicrafts Co-op Society Ltd. (Bangasree), and Paschim Banga Resham Shilpi Samabay Mahasangha Ltd. (Resham Shilpi). Presently, they are all making good profits.

Handloom and handicraft products of West Bengal, sold under the brand names 'Tantuja' and 'Manjusha' respectively, According to the report from the West Bengal state assembly (dated November 26, 2018), these two organizations have registered huge profits in the last few years and have now become profit-making bodies. Both 'Tantuja' and 'Manjusha' were state government undertakings. "Tantuja has started making profits for the financial year 2012–13. In 2017-18, the turnover of Tantuja was Rs 204.90 crore, and the profit was around Rs 10.26 crore. Manjusha's turnover in the 2017-18 financial year was Rs 91.04 crore, and its profit was Rs 5.87 crore. Apart from that, three sarees (Santipuri Saree, Baluchari Saree, and Dhaniakhali Saree) from West Bengal got GI tags recently (PTI, March 16,2018), but still, the handloom weaving sector is facing some difficulties like the insufficient supply of raw materials and the rising price of them; acute scarcity of laborers or weavers; unequal competition with the power loom sector; poor living and working conditions of the weavers; poor infrastructural conditions and ill management; and collapse of primary weavers cooperative societies. As a result, the number of weavers and looms is decreasing at a significant rate. The post-liberalization period has also seen the biggest decline in handlooms, either because of the transition from handloom to power loom or because of the exit from handloom (Bhattacharya and Sen,2018). From the 2009–10 to the 2019–20 handloom census period, 24425 looms completely vanished from West Bengal, and 33559 direct or indirect workers left their profession permanently. To boost this traditional and important economic sector, the governments of India and West Bengal have started different development schemes. According to the Ministry of Textiles GOI 2019 report in West Bengal, 97696 beneficiaries have been enrolled under the Mahatma Gandhi Bunkar BimaYojana (MGBBY), 49 yarn depots and 3 warehouses are functional in the state for the supply of yarn at subsidized rates, and the Mega Handloom Cluster has been sanctioned for Murshidabad district of the state. The project cost of Rs. 72.26 crores, block-level clusters have been sanctioned, and a sum of Rs. 9.02 crore has been released, covering 26793 beneficiaries; marketing events have been sanctioned, and a sum of Rs. 34.00 lakh has been released; and concessional loans worth Rs. 5.20 crore have been sanctioned to 1080 beneficiaries. Apart from this, the rapid development of information and technology is gradually expanding the market and demand for the traditional handloom weaving sector in India as well as in West Bengal.

Information technology (IT) and traditional handloom weaving sectors

We are passing through the era of information and technology. India's internet user growth rate is three times faster than the global average, with 835 million people predicted to have internet connections by 2025. (Kaka et al., 2019). According to NSSCOM (2016), 75% of India's new internet

users come from rural areas, which are the hub of the handloom industry. Though it was observed that most of the rural internet users are using the internet for their entertainment purposes (60%), the internet is still used for financial transactions (15%) and for other online services 14 %,(Internet and Mobile Association of India, 2017). This continuous development of internet literacy in rural areas will help in the transformation of the handloom weaving sector from traditional to digital in the coming days. India is ranked tenth globally in terms of e-commerce, with a $400 billion volume (UNCTAD, 2019). E-commerce is very useful for promoting online markets for the indigenous handlooms sector. With the development of information and technology, the volume of traditional handloom weaving products has increased. According to the Export-Import Bank of India (2018), India is the second-largest exporter of handlooms worldwide, with handlooms accounting for 15% of all exports (Majumdar et al, 2021)). This sector also earns a good amount of foreign currency through exporting handloom goods (Das, 2017).

The Digital Empowerment Foundation (DEF), established in 2002, uses the 2.4 GHz and 5.8 GHz spectrums to offer wireless internet connectivity to remote locations in India. It operates at over 14 locations and collaborates with various organizations such as the GoI, United Nations organizations, World Bank, EU, Bill and Melinda Gates Foundation, Intel Foundation, Sir Dorabji Tata Trust, Google Inc., Vodafone Foundation, and Microsoft India The Digital Cluster Development Programme (DCDP) is a DEF initiative aimed at empowering India's handloom clusters through digital transformation, incorporating Wireless for Communities (W4C) and the Community Internet Resource Centre (CIRC) as part of its low-cost internet connectivity program. (Majumdar et al. 2021).In West Bengal, Microsoft India plans to develop an e-commerce platform that will link the state's six lakh weavers. As part of its charitable endeavor, the internet giant has announced the opening of a new online store for handloom weavers under the name "Project ReWeave." "This project will start in the Nadia district and contribute to a 25% increase in weavers' income." The platform would facilitate direct communication between artists and consumers, opening up new markets and customers for them. In addition to helping weavers increase their revenue and reach more consumers, Microsoft India's e-marketplace would also help revive long-forgotten Indian traditional art. Here, Microsoft will carry out "Project Sangam," which seeks to empower municipal functionaries to run community training courses. (Microsoft Philanthropies India - Project Re-Weave, n.d. 2017; Project Sangam: Enabling Skilling at Scale for a Better Tomorrow - Microsoft Stories India, 2019)

Amazon has partnered with Tantuja, the West Bengal handloom weavers' society, to sell sarees internationally under its global selling program. Tantuja will now sell sarees in 10 countries, expanding its reach in India. The company, which had a modest turnover in 2010–11, now has a turnover of Rs 150 crore and an operational profit of Rs 4 crore. With 68 showrooms, Tantuja sells various handloom sarees, including Jamdani, Baluchari, Tangail, Dhaniakhali, Murshidabad Silk, and Tasar Silk. Amazon India's global selling program has grown since May 2015, with over 20,000 Indian sellers selling over 45 million products on its ten global marketplaces (Mukherjee, 2017).

Flipkart has signed a memorandum of understanding with the West Bengal government to train and support local artisans, weavers, and handicraft makers to use its e-commerce platform to scale up their businesses. The agreement was signed with the state's micro, small and medium enterprises and textiles department. The partnership aims to enhance the development of these artisans, weavers, small businesses, and MSMEs by providing access to opportunities through e-commerce. (PTI, 2022). The government has launched an e-commerce portal called Indiahandmade.com to enable artists and weavers to sell their handloom and handicraft products directly to clients without the need for middlemen.

There is a lot of scope for the development and upgradation of Bengal's traditional handloom weaving sector with the help of modern information and technology (IT). E-commerce platforms like Yarn Bazaar connect weavers with certified inputs directly from producers, eliminating middlemen and ensuring competitive prices. Artificial intelligence algorithms can match weavers' requirements with those of suppliers and recommend alternatives. This is an emerging

area of technology integration in the supply chain. Block chain technology can improve transparency and traceability in raw material supply chains by securely recording transactions and handovers from farm to loom. Provenance data on natural fibers can be attached to yarn packages via smart tags, enabling weavers to make informed sourcing decisions and provide a richer marketable story for finished handloom products. (Vani & Meesala, 2023; Arunachalam,2024).

Handloom weaving requires labor-intensive processes like winding bobbins, dyeing, warping, and sizing. Sensor-fitted, IT-enabled yarn winding machines can automate these tasks, generating data on yarn quality. Computer vision systems can detect color inconsistencies early. Digital design software and 3D modeling enable the creation of intricate weaving patterns, color combinations, and structures without physical sampling. These tools enable weavers to experiment with motifs, share designs remotely, and make revisions. Pattern visualization and color-coding software help weavers set up looms and weave complex designs more efficiently. Ergonomic handloom designs with sensors and actuators can improve productivity and reduce physical strain on weavers. Mobile and web apps can provide training and knowledge-sharing content, while online forums allow geographically dispersed weaving communities to exchange ideas. Technology interventions can standardize quality, minimize waste, and speed up fulfillment in post-loom processing. Computer vision systems can automate visual inspection of raw fabric, while image recognition AI models can identify defects. Sensors embedded in machines can monitor and control process parameters, optimize resource consumption, and ensure uniform drying. RFID tagging of fabric rolls can reduce errors and misplacement. Handloom weavers' income relies on the consistent sale of their products at good prices.(Arunachalam, 2024)

Digital platforms can help them reach a wider market and provide payment gateways, logistics support, and customer service. Social media platforms like Facebook, Instagram, and WhatsApp can be used to showcase products and engage customers. Influencer marketing can attract more customers. Virtual and augmented reality experiences can create emotional connections and justify premium prices. Mobile-based CRM apps, ChatbotAI, and analytics can help weavers manage inventory, plan production, and make transactions more convenient and secure. (Brahma & Dutta, 2020, Arunachalam, 2024)

Digital literacy and skills development programs are crucial for weavers. Data security and privacy safeguards are essential for trust. Change management efforts, partnering with community leaders, and performance incentives can sustain technology adoption.(Arunachalam, 2024; Mamidipudi & Bijker, 2018; Choudhary & Bansal, 2022)

To transform the handloom supply chain, weavers need affordable finance for digital tools and connectivity. Governments, cooperatives, and social enterprises can provide loans for upgrading technologies. Weaving clusters with specialized machinery can reduce individual capital expenditure requirements. Investments in rural broadband and low-cost smart phones can bridge the digital divide. Information technologies can revitalize the handloom industry by transforming its supply chain and driving efficiency and innovation. By collaborating with governments, industry players, cooperatives, technologists, and weavers, digital solutions can preserve traditional handloom weaving and artisanal uniqueness, ensuring its survival for generations. (Majumdar et al. 2021)

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DESIGNING AND DEVELOPMENT OF GARMENTS FOR ELDERLY WOMEN WITH PHYSICAL DISABILITY

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Abstract

The growing number of older women with physical disabilities has highlighted the need for adaptive clothing that maintains traditional dressing customs while enhancing comfort, safety, and independence. This study aimed to design and develop functional garments for elderly Indian women with physical disabilities who wear traditional wear. The research was conducted among 30 women aged 80-100 years. Data were collected through structured interviews to identify their clothing habit, preferences, and functional requirements. The findings revealed that more than 80% of the respondents wore a saree with a shirt (blouse) and petticoat throughout the day and night and experienced considerable difficulties related to garment fit, comfort, and ease of dressing. Based on the identified needs, seven adaptive garment designs were developed and evaluated by a panel of sixteen experts from the discipline of clothing and textiles. The two highest-rated designs were selected for prototype development. A shirt and petticoat were constructed using cotton fabric and incorporated adaptive features such as Velcro and magnetic fasteners to facilitate dressing while maintaining affordability and ease of maintenance. The developed prototypes demonstrated improved functionality, comfort, and user convenience for daily wear.

Keywords: Elderly Women, Adaptive Clothing, Physical Disability, Functional Garment Design

1. Introduction

The global population is ageing at an unprecedented rate, resulting in a growing number of older adults who experience age-related physical disability (Mitchell & Walker, 2020). According to the World Health Organisation (WHO), increasing life expectancy has led to a significant rise in the proportion of elderly individuals, many of whom face mobility impairments, musculoskeletal disorders, arthritis, paralysis, stroke-related disabilities, and reduced hand dexterity (Khandelwal & Gupta, 2023). These conditions often make dressing and undressing difficult, affecting independence, comfort, dignity, and overall quality of life. Clothes are not just necessities (Entwistle, 2023). People may participate in social events, express their personalities, and feel confident and comfortable (Cho et al., 2025). However, the majority of clothing on the market is designed for individuals without physical disabilities. They do not meet the special needs of elderly ladies with limited mobility (Miller et al.,2021). For women with limited movement or weak hand control, dressing can be challenging due to small buttons, tight necklines, challenging fasteners, and rigid patterns found in many clothing items (Chan et al., 2025). Due to these difficulties, many older women require assistance getting dressed, which makes them more reliant on others and reduces their self-esteem and independence.

Adapting clothing offers a practical solution to the dressing challenges faced by elderly women with physical disabilities. It helps women dress more independently by combining comfort, style, and user-friendly design elements (McKinney et al.,2023). Dressing is made easier and more pleasant by features including front openings, magnetic buttons, Velcro closures, side zippers, adjustable waist buttons, seamless stitching, and soft, breathable fabrics (Wilkinson et al.,2020). Additionally, these elements increase everyday comfort and confidence, reducing the need for help. Adaptive clothing for older women remains underrepresented, despite growing awareness of inclusive and universal design. It is often expensive and does not always match the cultural clothing preferences of women, especially in developing countries (Jun, G. 2024)

Designing garments for elderly women with physical disabilities requires knowledge from a variety of fields, including ergonomics, textile science, apparel design, gerontology, and rehabilitation. Each of these domains aids designer understands the physical, emotional, and practical needs of elderly women (Muhammad et al.,2024). While textile science aids in choosing materials that are soft, breathable, lightweight, and appropriate for sensitive skin, gerontology ensures that clothing is safe, pleasant, and simple to wear (Abtew et al.,2025). The goal of apparel design is to provide clothes that are aesthetically pleasing, practical, and easy to put on and take off. Apparel designers understand age-related physical changes, mobility limitations, and the difficulties encountered during daily dressing activities by having a solid understanding of gerontology and rehabilitation (Zhang et al., 2022).

Recent developments in smart textiles, wearable technology, and sustainable clothing have created new opportunities for designing better adaptive garments (Bera et al.,2025). These developments can monitor health, regulate body temperature, enhance comfort, and make clothes easier to wash and maintain. Elderly women with physical limitations can also benefit from smart and functional clothing. Many studies do not fully consider the clothing needs of elderly women, especially how to combine functional features with cultural preferences to attractively design clothes (Lmbesi et al.,2021). More research is needed to understand consumers' real needs and identify the problems with current clothes that enhance comfort, independence, dignity, and general quality of life (Frunze et al.,2023).

The present study aims to design and develop functional garments for elderly women with physical disabilities by using adaptive design features and a user-centred approach. The primary objective is to design clothes that are comfortable, easy to wear, and appropriate for their everyday needs. The clothing problems were identified, their preferences for comfort and design were understood, and garment prototypes were made.

Objectives of the study

- To find out types of physical disabilities in elderly women in the selected locale
- To develop designs for garments with self-help features
- To assess the effectiveness of constructed garments

2. Methodology

The study was conducted in two phases

Phase I: Exploratory Survey

Phase II: Designing of garments Phase

Phase I: Exploratory Survey

A field survey was carried out to find out the types of physical disabilities and difficulty faced in dressing among elderly women in the selected locale

The survey was conducted in rural areas of Uttar Pradesh. Three villages, namely Tiyala, Asaura, and Dhanaura of district Hapur were selected for the study. These villages were selected because of ease of accessibility for the researcher.

Purposive sampling method was used to select the sample.30 elderly women, aged 90 years and above, were selected for the study. The women were thoughtfully chosen to represent a wide range of backgrounds and lifestyles. Most of the elderly women were living with their families, and some were not living with their families. Based on the observations made so far, some elderly women who remained physically active and were able to manage their everyday activities independently were selected. Some elderly women were bedridden or needed helpers for their daily activities.

A questionnaire was prepared to find out the types of physical disabilities, difficulty faced in dressing by elderly women, type of garment worn, fabric preferred, etc. The questionnaire contained three sections. The first section focused on gathering the required information.

Demographic data such as age and daily life activities. The second section focused on the participants' health status, physical changes, and the difficulties they experienced while dressing themselves. The final section explored their clothing preference as well as the issues they encountered with the clothing currently available to them. The investigators personally administred with the clothing currently available to them. The investigator asked each participant the question and recorded their answers carefully.

The researcher organized the collected data in a table and analysed it using Excel. Descriptive statistics, such as frequencies and percentages, were calculated.

II: Designing of garments

The survey revealed that arthritis is the main physical disability for the majority (46.6%) of respondents. Therefore, garments were designed for the elderly suffering from arthritis.

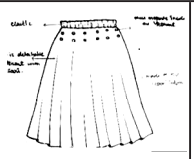
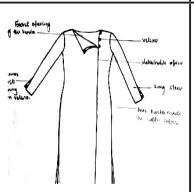
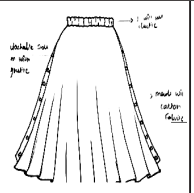
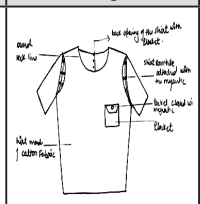
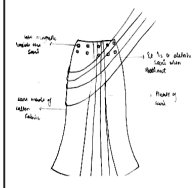
While designing garments, such features were incorporated that will help the elderly in dressing themselves with ease. Shirt, petticoat, and sari were designed according to the preference of rural old women, as these are mostly worn by them, as observed from the survey. Seven designs were sketched on sheets.

Designs were evaluated by a panel of sixteen experts consisting of teachers and students of clothing and textiles. A five-point rating scale was

used to judge the appropriateness of the designed garments using selected parameters, including functionality, comfort, ease of use, and aesthetic appeal. Google Forms were prepared and sent for evaluation. Data were analyzed on the basis of weighted mean score. Two designs that got the highest mean scores were selected for the development of prototypes.

Based on the preferences of the participants, suitable fabrics were chosen, and patterns were prepared. Prototypes of the two most preferred designs were developed. The selected participants were asked to provide their feedback on the suitability of the new designs, which were modified according to their suggestions, after the same participants were approached again for a second round of feedback. Designs of the shirt and petticoat selected by experts are discussed below.

Designs developed for the elderly with arthritis

S.No	Name	Design	Description
1.	Design-1		This is the design of a petticoat. The above part of the garment has a magnet inside the petticoat. These magnetic petticoats will be helpful while wearing the saree. It is a detachable petticoat. It also has an elastic on the waist part. Elastic is easy to take off the petticoat. This petticoat is made of cotton fabric.
2.	Design-2		This is the design of the kurta. This garment has a side opening with Velcro. The kurta has long sleeves and a sleeve opening with Velcro. This kurta is helpful for Muslim arthritic women. The kurta is made of cotton fabric. Kurta front-side slits have been given to provide further comfort during particularly taking off and putting on activities and also solve the problem.
3.	Design-3		This is the design of a petticoat. The garment has both sides with slit openings (petticoat) with magnets. These magnetic slits will be helpful while using the toilet. It also has an elastic waist part. Elastic is easy to take off the petticoat. This petticoat is made of cotton fabric.
4.	Design-4		This is the design of the shirt. The design has no collar and is round. It has back opened with placket. The shirt also has a half -length sleeve, and it is detachable. The placket closes and opens with the help of a magnet. Buttons have been used for decorative purposes. The shirt will be made in cotton fabric. The front of the shirt has a pocket, and the pocket is closed with a magnet. The design is appropriate; fit and comfort are equally important.
5.	Design-5		The design of the kurta. This garment has shoulder and side openings with Velcro. Kurta made of cotton fabric. Kurta side slits have been given to provide further comfort during particularly taking off and putting on activities and also solve the problem. It is helpful for women with arthritis. The kurta has a round neck and half of the sleeves.
6.	Design-6		It is a shirt. The design has a collar with plackets. It has a front opening with a placket. The placket closes and opens with the help of Velcro. Buttons have been used for decorative purposes. The shirt will be made in cotton fabric. The shirt also has a pocket and full-length sleeves. The fasteners used on the front placket are easy to handle. Along with an attractive design, proper fit and comfort are also important.
7.	Design-7		This is the design of a sari. The above part of the garment has a magnet inside the sari. This magnet will be helpful while wearing the sari. Make pleats before wearing the sari and attach the magnet to the petticoat. It is a detachable sari. This Sari is less time-consuming. It is easy to take off. This petticoat is made of cotton fabric.

Developed prototypes were given to elderly women suffering from arthritis to judge their

effectiveness, whether garments are easy to wear, i.e., to put on and take off, and comfortable.

3. Results and Discussion

3.1 Results of survey

The first objective of the study was to find out the types of physical disabilities in elderly women in the selected locale, problems faced in maintenance and care of clothes, and their clothing preferences. Results are presented below-

Health problems of elderly

Table 1 presents the health problems reported by the elderly women. A large number of subjects reported arthritis (46.6%). 20% of respondents were suffering from blindness, which limited their movement and ability to carry out several daily tasks, including dressing and undressing. 16.6% were paralysed, and 10% of the elderly had fractures. 6.6% were suffering from mental illness such as dementia Alzheimer. Most women above the age of 90 reported at least one health condition. Many of them had a bent, with increased bending at the knees and hips. Women in this age group also commonly experienced weight loss. At the same time, fat deposits could increase around the central part of the body, particularly near the abdominal organs. Their overall height also tended to decrease, mainly due to changes in the trunk and spine. Other health problems commonly reported included high blood pressure and cervical spondylosis.

Table 1. Physical problems of elderly (N=30)

S. No.	Physical ailment	Frequency	Percentage
1	Arthritis	14	46.6%
2	Blind	6	20%
3	Paralyzed	5	16.6%
4	Fracture	3	10%
5	Mentally unstable	2	6.6%

Difficulty in dressing up

Table 2 shows that 86.6% elderly can't wear garment with herself, and some elderly women can wear clothes themselves but with difficulty (13.3%).

Table 2. Data related to ease in wearing and taking off the clothes (N=30)

S. No.	Easy to wear and take off clothes	Frequency	Percentage
1	Yes	2	13.3%
2	No	28	86.6%

Clothing Care and Maintenance

Table 3 presents the difficulties related to clothing care and maintenance. The findings showed that 93.3% of the respondents were unable to wash their clothes independently, so their family members handled the washing and maintenance. In contrast, 6.6% of the women were able to manage their clothing care on their own. Around one-fourth of the respondents received help from caregivers for clothing-related tasks. Among the different difficulties reported, ironing clothes was identified as the most challenging task.

Table 3. Data related to ability to wash clothes (N=30)

S. No.	Able to clean clothes	Frequency	Percentage
1	Yes	2	6.6%
2	No	28	93.3%

Preference of garment

Table 4 shows the clothing preferences reported by the participants. The finding indicated that most of the women (70%) preferred wearing a sari with a shirt and petticoat. A smaller group (6.6%) preferred a sari paired with a blouse and petticoat, while 23.3% chose a salwar suit as their preferred daywear. These choices may largely reflect the social and cultural practices commonly observed in North India and associated with older people. The data clearly show that Indian women follow the culture. Among women aged 80 years and above, the sari remains the most widely worn form of clothing. The bodice worn with the saree is a blouse or a loosely fitted shirt, which is generally similar to a men's shirt.

Table 4. Preference for type of garment (N=30)

S. No.	Combination of garment	Frequency	Percentage
1	Sari, Shirt, Petticoat	21	70%
2	Sari, Blouse, Petticoat	2	6.6%
3	Salwar, Kurta, Dupatta	7	23.3%

Preference for fabric

The results are shown in Table 5. All the women (100%) preferred cotton fabrics for clothes. This is an indicator that there was a predominance of use of natural fibres in the wardrobe of the subjects. Cotton is a comfortable, breathable fabric, and comfort is a very important factor for aged people. That is why natural fibres are preferred (100%). This is an interesting statistic considering that most subjects were wearing clothes made of cotton fibres at the time of the interview. Again, the majority of

respondents had a general lack of knowledge or information about other textile materials.

Table 5. Preference for types of fabric (N=30)

S. No.	Type of fabric	Frequency	Percentage
1	Cotton	30	100%
2	Synthetic	—	—
3	Blended fabric	—	—

Preference for homemade vs tailor-made vs readymade clothes

The results presented in Table 6 show preference for homemade vs tailor-made vs readymade clothes. It was found that 80% of the subjects still got their garments made by tailors, which was more prominent with salwar suits and less with sari blouses. Some respondents wear only home-made (20%) counterparts. The majority of the older women preferred loosely -fitted garments.

Table 6. Preference for type of clothes (N=30)

S. No.	Type of clothes	Frequency	Percentage
1	Home made	6	20%
2	Tailor made	24	80%
3	Readymade	—	—

Self-help features in garment

Design features are important in garments of older women. Table 7 reveals that older women have established preferences in design features. Design features consistently preferred were dresses with waistlines, front openings, necklines, sleeves, petticoats, and hemlines just below the knee. In addition to the above features, it was found that most women preferred Velcro on the front opening. Specially designed clothes with self-help features can make dressing easier for women with physical disabilities. Such clothes can help them manage their clothing-related difficulties and become more independent in their daily lives. Therefore, the present study was undertaken to develop suitable and comfortable dress styles that meet their needs and help them cope with their physical limitations.

It was found during the survey that many elderly people need the help of someone- a family member, caretaker or servant- to put on or take off clothes. This study aimed to identify the person, whether the elderly or their helper, preferring outerwear with self-features for physically disabled, arthritic women and living blind women. Both helpers (46.6%), the elderly (33.3%), and helpers (20%) want self-features in the garments for ease in wearing.

Table 7. Persons who want self-help features in garments (N=30)

S. No.	Person	Frequency	Percentage
1	Elderly	10	33.3%
2	Helpers	6	20%
3	Both	14	46.6%

Challenges of elderly while self-dressing

As women age, changes occur in their posture and bilateral symmetry that affect the fit of clothing. The elderly women in particular face many problems with wearing the sari, petticoat and shirt (blouse).

When older women drape a sari, they can't move their hands properly due to arthritis; therefore, the petticoat cord sometimes becomes loose or tight. The shirt is more difficult to wear because there are so many buttons in their shirt and they can't push its buttons through the buttonholes properly.

Preference for developed designs for garments with self-help features.

Table 8. Seven designs of garments were developed for elderly women suffering from arthritis. These were evaluated by clothing and textile experts. A weighted mean score was calculated, and designs were ranked. Data has been shown in Table 8. Design 3 was ranked first as it got the highest weighted mean score. Design 6 was ranked second. These two designs were selected for the construction of garments.

Table 8. Weighted mean score of developed designs of garment (N=30)

Design No.	Weighted mean score	Rank
Design 1	3.6	VI
Design 2	4.12	IV
Design 3	4.31	I
Design 4	3.74	V
Design 5	4.12	IV
Design 6	4.25	II
Design 7	4.18	III

Result of assessment of effectiveness of constructed garments

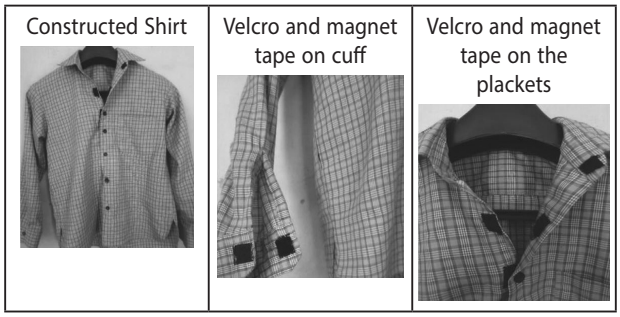
Two garments, a shirt and a petticoat, were constructed with the clothing needs of arthritic

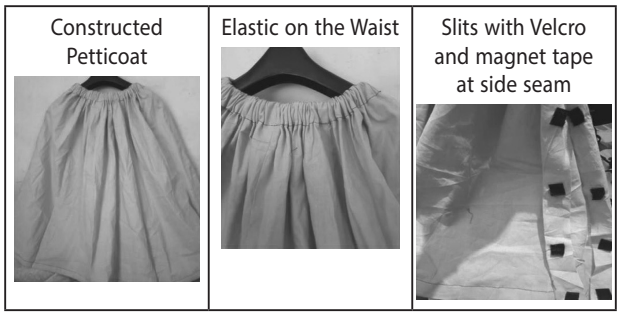
women in mind. They were designed keeping comfort, less time-consuming, and ease of dressing factors in mind. The garments were given to the respondents to wear for the purpose of evaluation. The result shows in Table 9 reveals that all the respondents found the comfortable and fasteners easy to handle. 90% said that garments are easy to put on and take off, 80% reported that developed garments give them freedom to dress up independently.

Table 9. Effectiveness of constructed garments (N=30)

S. No.	Features	Frequency	Percentage
1	Ease of handling the fasteners	30	100%
2	Easy to put on and take off	27	90%
3	Comfortable	30	100%
4	Dressy independently	24	80%

Design features consistently preferred were front openings in shirt with Velcro, full-length sleeves, cuff opening and petticoat of full length, slit opening with magnet. Women with arthritis gave feedback on the shirt and petticoat. These specially designed functional garments helped elderly women with arthritis dress and undress more easily and made fastening and unfastening the clothes more convenient. Women with arthritis often find it difficult to fasten buttons because of joint pain. As Velcro was used in place of buttons, it was easy to manipulate the opening in the shirt. They face embarrassment and hardship during dressing and undressing. It was observed that this clothing also fit physically. The survey revealed that women preferred semi- or loosely fitted garments. Therefore, a semi-fitted shirt was prepared. These were found comfortable because cotton fabric was used for construction. The garments developed in the study can also be produced on a larger scale to fulfil the clothing needs of a greater number of people with disabilities.





Constructed functional Garments for Elderly Women with Arthritis



Arthritis in women wearing functional clothing

Conclusion

The goal of this study was to create functional garments with self–help features for physically disabled elderly women so that they can wear their garments themselves with ease. The study concludes that integrating adaptive features into culturally acceptable clothing can significantly enhance the clothing experience and promote greater independence and quality of life among elderly women with physical disabilities.

Preference for garment, clothing care and maintenance, preference of type of fabric, self-help features in garment, and ability of the elderly for self-dressing are factors which should be kept in consideration when designing garments for the elderly.

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Cotton output to contract in 2025-2026 season

Production of cotton during the current marketing season that commenced on October 1, 2025 is estimated to be seven lakh bales less than the previous year.

The Committee on Cotton Production and Consumption that met in Mumbai on July 29 expected the production this season to be 290.24 lakh bales of 170 kg each, while the production in 2024-2025 was 297.24 lakh bales.

Consumption of cotton by large-scale and MSME textile mills, which are the main consumers of cotton in the country, is likely to be 320 lakh bales while it was just about 306 lakh bales last season.

While cotton exports so far are six lakh bales less than the 2024-2025 season, imports have increased by almost 15 lakh bales.

"We expect the cotton season to end in September with nearly 60 lakh bales of import," said chairman of the Southern India Mills' Association Durai Palanisamy. ■

SELF-MOTIVATION CHALLENGE IN ONLINE LEARNING IN FASHION EDUCATION

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Internet learning can be broken down into two main areas: content and guidelines. The content of online courses is crucial and should be engaging, using technology such as audio, video, animation, and simulation. The content should also be adaptable and tailored to the student's needs to help them understand the material and move on to new topics. Additionally, guidelines for online learning should be provided through web-based communication such as video conferencing or email and should be flexible to the teaching method, cooperation rules, and the availability of tools based on the institution's approach. The instructions should also be available from any location.

Online Learning during the Covid-19 Pandemic

The spread of COVID-19 has led to the cancellation of in-person classes and the shift towards remote learning through digital platforms. A report by the United Nations Sustainable Development Group (2020) states that while online learning is already a part of the education system, the lack of technology infrastructure is still a more significant challenge, especially for non-industrialized countries. The sudden shift to remote learning has also led to spontaneous changes in curriculum, with students being exposed to different learning applications and digital communication tools such as Zoom, Google Meet, Cisco WebEx, and Mikogo. Students have access to online learning materials, course books, and modules, as well as supplementary materials in the form of audio or video recordings.

Motivation:

Motivation for Online Learning

Specialists and instructors have been keen on student inspiration for quite some time since it is firmly associated with accomplishment and wanted results. Lumsden (1994) characterizes inspiration as students' ability to participate in language learning. Dörnyei (2015) sees it as a vital piece of the complex learning undertaking. Its nonattendance will bomb people regardless of whether they are furnished with the most remarkable capacities, and a vigorous inspiration will compensate for significant lacks. Inspiration is the principal condition to take on a learning task and is the motor that controls the interaction. Dörnyei (2020) recommends that inspiration is firmly connected with commitment and that inspiration should be guaranteed to accomplish understudy commitment. The author offers that any informative plan should mean to keep understudies connected no matter what the realizing setting, customary or e-realizing, which is a problematic situation thinking about the bunch of interruptions in the new century.

The review discusses the concept of motivation in internet-based learning and how it is a crucial aspect that can impact students' success in these types of courses. It references different definitions and perspectives on motivation and its relationship to student engagement. The review also highlights the challenges of internet-based learning, including the potential for distractions and the responsibility placed on students to participate in their knowledge actively. The study also mentions that motivation in internet-based courses is complex and influenced by internal and external factors, with internal factors such as personal attributes being identified as crucial to successful online students. Additionally, it is also mentioned that online students tend to be more motivated by intrinsic factors compared to their offline counterparts.

Theories of Motivation:

Maslow's needs of hierarchy theory suggest that human needs are arranged in a hierarchical order and that individuals must satisfy lower-level needs before they can attend to higher-level needs. The five levels of needs include physiological, safety, belongingness and love, esteem, and self-actualization. In terms of learning, this theory suggests that students must have their basic needs met (such as food and shelter) before they can focus on their educational needs. It also indicates that students who feel a sense of belonging and acceptance in their learning environment will be more motivated to learn.

Attribution theory which helps us understand motivation in learning, suggests that individuals attribute the causes of their successes or failures to different factors, such as effort, ability, or luck. According to this theory, students who attribute their success to their effort and capacity will be more motivated to continue learning and working hard. On the other hand, students who attribute their success to luck or external factors may be less motivated to continue learning.

Atkinson (1964) presented this theory based on the following formula:

Motivation (M) = Perceived probability of success (Ps) × Incentive value of success (Is).

In other words, expectancy multiplied by value equals the overall motivation for a student to engage in a particular task or activity. Expectancy theory suggests that students will be more motivated to learn when they believe that their efforts will lead to success and that success is valuable to them. This theory highlights the importance of setting clear and achievable goals for students and providing them with the necessary support and resources to achieve those goals. Additionally, it highlights the importance of making learning relevant and meaningful to students, as this can increase the perceived value of the task and ultimately lead to increased motivation and engagement. Overall, expectancy theory provides a valuable framework for understanding how students' perceptions of success and the value they place on their expectations can influence their motivation to learn.

These theories can provide insights into the complex nature of motivation in learning and help educators design and implement strategies to promote student motivation. However, it is essential to remember that motivation is a dynamic and multi-faceted construct and may be influenced by various factors.

Achievement Motivation:

It is a drive that pushes students to strive for success and choose goal-oriented activities with success or failure outcomes. This type of motivation is crucial in education as it affects the cognitive, emotional, and behavioral aspects of students' engagement in the educational process. Standards of excellence and competition can result in achievement motivation through performance evaluations. It is a form of inspiration characterized by a competitive drive and a desire to achieve high-performance standards. It can be increased by individual effort in all activities and helps reflect the individual's perspective of excellence.

Student's Goals and Motivation:

The section discusses the importance of setting goals for students to stay motivated in their education. Studies have shown that performance increases by setting goals and decreases when goals are removed or lowered. Dweck and Leggett have proposed two goals from a motivational perspective. The first type is learning, or personal growth goals focused on learning and personal development. This type of goal is called mastery or autonomy goal. The second type of goal is performance or external validation goals, which are focused on demonstrating capability and meeting external standards. This type of goal is called a performance or external validation goal.

Teacher's Expectation and Motivation:

The section discusses how teachers' assumptions and beliefs about their students can impact their students' academic achievement and motivation. Studies have shown that teachers' perceptions of students, particularly in early school years and when teachers have limited knowledge about their student's abilities, can influence students' performance. The study by Heyder and colleagues found that teachers who believe math requires innate ability may negatively impact low-achieving students' natural motivation. This suggests that teachers' beliefs about the innate ability being a requirement for mathematical success may hinder creating a classroom environment that promotes student engagement and learning.

Barriers to online learning:

Various barriers can impact e-learning and its connection to learning motivation and achievement. Two sets of barriers arerelated to technical facilities and support and those about pedagogy, belief, or personal preferences. These barriers can be classified as material, such as lack of ICT resources, or non-material, such as teachers' knowledge and skills. Research has shown that these barriers can significantly impact e-learning performance and student motivation and attitude, which can negatively affect academic achievement. Therefore, teachers and administrators must develop creative solutions based on best practices to ensure that educational learning objectives are met. The text also emphasizes the importance of understanding the underlying foundations of motivation to enhance it.

Student Motivation and Engagement:

In this manner, an individual who feels no catalyst or motivation to act is portrayed as unmotivated. However, somebody stimulated or enacted toward an end is thought of as propelled. This signifies that inspiration can be something that keeps us 'moving.' Inspiration is characterized as the 'want or ability to accomplish something. Understudy inspiration and commitment are related components of understudy discovery that can affect learning results. Lager et al. (2010) express that disregarding the way that there is no generally acknowledged meaning of what involves commitment, understudy, and school achievement, understudy maintenance, and

understudy inspiration are connected 100% of the time to commit. For example, a portion of the early investigations characterized commitment as far as viewpoints like revenue (Dewey, 1913), exertion (Meece & Blumenfeld, 1988), time on task (Berliner, 1990), and inspiration (Skinner & Belmont, 1993).

Motivation is the drive or desire to accomplish something. It is a crucial component in student learning, affecting engagement, achievement, retention, and overall motivation. Commitment and motivation are closely related and are often linked to student success. Studies have defined commitment differently, including through factors like interest, effort, time spent on tasks, and motivation.Online student commitment is characterized as understudies' active interest in e-learning exercises (for example, conversation strings and virtual homeroom) to accomplish learning objectives. Inspiration is a fundamental component to drawing in students and, in this way, upgrading understudy's opportunities for growth.

Motivation is the drive or desire to accomplish something closely related to student engagement and commitment to e-learning. Student engagement, or active participation in online learning activities, is crucial for achieving learning objectives, and motivation is considered a critical factor in promoting student engagement.

Factors affecting motivation:

Internal Factors:

Their expectations and satisfaction with the course content, communication needs, and level of self-determination were frequently implicated and emerged as sub-themes.

External Factors:

Participants generally believed that face-to-face education was better than online education due to external reasons. A common opinion stated by all the participants against online education was that they found face-to-face education, especially classroom environment, more motivating.

This suggests that traditional in-person education's social and interactive aspects significantly influence student motivation and engagement. Students may also prefer immediate feedback and interaction with their peers and instructors in a traditional classroom setting, which can enhance their learning experience. However, it is worth noting that online education has constantly been improving, and many universities and institutions are now providing an interactive and engaging online learning experience. This can help bridge the gap between traditional and online education for student motivation and engagement.

Learning Management System

Anderson et al. (2001) recommend that an 'Insightful plan of learning exercises is basic to achieving instructive results' (p. 15). The plan and how courses are organized can be crucial variables related to understudies' inspiration and positive/ negative encounters with learning on the web. The understudies also featured the significance of an organized course and liked that the teacher 'has been a generally excellent facilitator and his work is organized' (Christine, interview 2). Understudies additionally referenced that all the data is there, and they can peruse it, time permitting. Brenda recognized that the course has a legitimate association of materials and ideas that assist understudies with understanding the subject better. The consistent plan of the learning materials to give a comprehensive, organized course supported understudies' advantage and driven understudies to partake in learning exercises effectively.

It is important to note that while face-to-face education may be seen as more motivated by some students, it is not necessarily the only way to achieve motivation and engagement in learning. The design and organization of online courses play a crucial role in creating a positive and engaging learning experience for students. A well-structured course with clear goals and objectives, organized materials, and effective facilitation can support student engagement and motivation in online learning. Therefore, educators need to focus on designing and delivering online courses that are engaging and motivating for students.

Learner-to-instructor interaction:

Student-to-student cooperation is crucial for internet learning and prompts understudy commitment. To keep online understudies from encountering likely weariness and disengagement in the learning climate, it is fundamental to construct exercises that upgrade commitment. These exercises help understudies feel associated and can create a unique feeling of the local area. Adore, Kovach, and Banna et al. tracked down those customary innovations for connected learning,such as conversation sheets, visit meetings, web journals, wikis, bunch undertakings, or friend appraisal, which have served well in elevating understudy-to-understudy communication in internet-based courses. The creators enthusiastically suggest using electronic

applications, for example, Twitter channels, Google applications, or sound and video innovation like Wimba Collaboration Suite, to develop commitment in internet-based courses further.

The barriers to e-learning can be categorized as technical, pedagogical, and personal. Material barriers include a lack of ICT resources, while non-material barriers include a lack of teacher knowledge and skills. These barriers can hurt student motivation and achievement. Teachers and administrators should develop creative solutions based on best practices to overcome these barriers. Additionally, student-to-student cooperation is crucial for online learning and can be promoted through interactive activities such as discussion boards, group projects, and peer assessments. The use of technology such as social media, video conferencing, and collaboration tools can also enhance student engagement in online courses.

Banna et al. (2015) recommend videoconferencing or talking in simultaneous exercises and conversation sheets in nonconcurrent exercises as they improve understudy-to-understudy communication. Using web-based media in web-based courses gives a valuable chance to upgrade commitment through close collaboration. Student-to-teacher collaboration prompts higher understudy commitment in internet-based courses (Dixson, 2010; Gayton & McEwen, 2007). Numerous understudy teacher correspondence channels might be exceptionally connected with understudy commitment. Online educators recommend focusing on understudy teacher associations since they might influence learning results (Dixson, 2010; Gayton & McEwen, 2007). The creators tracked down compatibility and cooperation between understudies and teachers in an intelligent and durable climate, including bunch work and informative input, which are significant for understudy commitment bringing about learning achievement. Understudies regularly contact educators about tasks, course materials, and grades; yet to be more compelling, online guidance ought to incorporate open doors for understudies to interface with each other and teachers relating to what makes their learning significant. Furthermore, Gayton and McEwen stress that teachers'

Availability and responsiveness to student inquiries and concerns are crucial for building positive student-teacher relationships and promoting student engagement and commitment. Overall, it is essential for online educators to create opportunities for student-to-student and student-to-teacher collaboration and to use different forms of communication and technology to enhance these interactions. This can create a sense of community and promote student engagement and commitment in online learning environments.Dixson (2010) and King (2014) concur that there should be participation and joint effort among understudies and teachers in web-based courses to increment online understudy commitment. Research has noted that affinity and coordinated effort among understudies and educators in an intelligent climate are significant. Lord (2014) observed that understudies evaluated careful and opportune teacher criticism of their work as most important so they can improve their learning process. Smaller than usual recordings and screencasting are methods to build teacher believability that have been accepted to bring numerous instructive advantages. Venerate, and Kovach (2011) and Robinson and Hullinger (2008) recommend the utilization of new yet grounded advancements, for example, conversation sheets, talk meetings, websites,wikis, bunch undertakings, Twitter, Skype, YouTube, and Ning organizations, to cultivate understudy commitment.

Learner-to-content interaction

Student-to-content commitment is mentally collaborating with the substance, which can change a student's arrangement and viewpoints. Abrami, Bernard, Bures, Borokhovski, and Tamim (2011) express that an understudy-to-content connection can happen while watching educational recordings, collaborating with sight and sound, and looking for data. Both coordinated and offbeat conveyance are successful choices that help online understudies get to content for fundamental cooperation. Online educators are encouraged to contribute adequate time looking for insightful perusing and intuitive informative materials and planning thoroughly examined evaluations to urge understudy to-content commitment. Genuine use of tasks that improves subject authority and powerful reasoning abilities is one technique connected with cultivating student-to-content commitment. Venerate and Kovach (2011) suggest making the substance wake up utilizing true innovation, which upgrades understudy commitment. Online teachers should be primary in picking material and content when they wish to draw in understudies more in their courses. Online understudies ought not only to be given a rundown of assets but instead, teachers should plan simple exercises that give chances to analyze the errands according to alternate points of view and that urge understudies to be admirably involved

in pertinent data simultaneously. Dixson (2010) reports that understudies observed an assortment of exercises that caused them to feel connected, including course the executives' framework highlights, successful correspondence, and course assistance techniques.

Community of Inquiry:

The CIO framework emphasizes the importance of community and interaction among students and teachers in online learning environments. By fostering teacher presence, cognitive presence, and social presence, the framework aims to create a dynamic and engaging learning experience for students. Teacher presence refers to the ability of the instructor to guide and facilitate learning, cognitive presence refers to the ability of students to engage in critical thinking and problem-solving, and social presence refers to the ability of students to interact and collaborate with their peers. Together, these three elements create a sense of community and engagement essential for student success in online learning environments.

Instructor presence creates meaningful outcomes: curriculum design, active instructor facilitation, and integrating multiple pathways for the educational process's cognitive and social aspects. As students enter the depths of the course, instructors are engaged, present, and active and provide meaningful feedback. Cognitive presence, on the other hand, refers to the ability of students to construct and confirm meaning through sustained communication and critical thinking. This is achieved through active discussions, problem-solving, and reflection. Social presence, on the other hand, refers to the ability of students to establish and maintain a sense of community and belonging in an online learning environment. This is achieved through communication, collaboration, and the sharing of personal experiences. Together, these three elements of presence create an environment that encourages active participation, critical thinking, and a sense of community, all of which are critical for student engagement and success in online learning.

The community of inquiry (CIO) framework is a powerful tool for creating compelling online learning experiences by incorporating three essential elements: teacher presence, cognitive presence, and social presence. The intersection of these three elements creates a student-centered environment that fosters active discussions and understanding of different perspectives and challenges student assumptions. To achieve success in online education, it is essential for instructors to be engaged, present, active and provide meaningful feedback. Additionally, informal communication tactics can enhance social presence by encouraging student-to-student interaction and fostering a sense of community. For online education to be successful, administrators must also commit to supporting instructors through ongoing professional development.

Training, Feedback, and Support

Program administrators play a crucial role in supporting faculty to improve their online teaching skills and stay up-to-date with the latest best practices in online education. This includes providing ongoing professional development opportunities, resources, and support to help faculty create and deliver high-quality online courses that align with institutional, school, department, and program policies and standards. Additionally, program administrators should monitor and evaluate online courses' effectiveness and provide feedback and guidance to faculty to help them improve their teaching practices and student outcomes. Overall, the role of the program administrator in online education is to provide the necessary support and resources to ensure that faculty can deliver high-quality online instruction that meets the needs of students and contributes to the program's success.

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Record cotton imports raise 2026–27 opening stocks to new high

The opening stocks of cotton for the new crop year 2026-27, starting October, are estimated higher by 68 per cent at a record high of 93.59 lakh bales (170 kg each), against 55.59 lakh bales in 2025-26, on record imports of the fibre crop.

As per the latest estimates by the Trade body Cotton Association of India (CAI), closing stocks for the current crop year 2025–26, ending September, will be 93.59 lakh bales, 38 lakh bales higher than last year.

The trade body has yet again raised production estimates for the 2025–26 season by 2 lakh bales to 339 lakh bales, according to a statement released by CAI President Vinay N Kotak and CAI Crop Committee Chairman Atul S Ganatra. The increase in projections is on account of the upward revision of pressing estimates in Maharashtra, Madhya Pradesh, Karnataka and Tamil Nadu.

In July, the CAI had raised projections by 3 lakh bales to 337 lakh bales.

Ganatra attributed the record closing stocks to the surge in imports in the past two years. "Cotton imports of 62 lakh bales this year is a record. We have never done this much of import in a year. Over the last two–three decades, our annual imports were in the range of 15–20 lakh bales. Last year, our imports went up to 41 lakh bales. Due to the record imports in the last two years, our closing stock is also at a record," Ganatra said.

Till July-end, cotton imports of 54 lakh bales had taken place, and another eight lakh bales are expected till September end.

Presently, the cotton imports are duty free till the end October year.

The CAI has maintained consumption at 348 lakh bales (319 lakh bales). Till end-July, cotton consumption in the country stood at 290 lakh bales.

Cotton exports for the year are estimated at 15 lakh bales (18 lakh bales).

Till July-end, about 12.25 lakh bales are estimated to have been exported from the country.

Currently, cotton prices are firm on global trends, domestic demand and the prospect of delayed new-crop arrivals due to the late sowing. Prices of cotton sold by the Cotton Corporation of India rose ₹200 per candy (356 kg) recently. ❐

China's yarn demand accelerates growth in India's cotton offtake

Indian cotton yarn witnessed a robust demand from China with shipments registering a strong growth this year. The USDA, in its latest update on world market and trade, said India's cotton growth is fuelled by cotton yarn demand from China and cotton product demand from developed countries.

"India's cotton, yarn exports to all markets rose 8 per cent for this marketing year as a sharp rise in exports to China was partially offset by a reduction in exports to Bangladesh. India's cotton yarn exports to China tripled in the first 10 months of the marketing year, and its market share rose from 7 to 21 per cent. China's overall yarn imports increased over the same period, but India's growth far exceeds that of other major suppliers as its exports benefited from a depreciating rupee and falling yarn prices," the USDA said.

Sharad Khemka, Managing Director of SP Yarns in Kolkata, a manufacturer and exporter of yarns, said Chinese purchase of Indian cotton yarn had been significant this year as their local prices are higher. Yarn production is not viable in China due to higher prices.

Even now China is buying Indian yarn, though the recent increase in cotton prices had posed a challenge, he added. The Chinese demand for Indian yarn has been mainly for the coarser yarns counts such as 16 and 21s, which are thick threads.

Khemka said Vietnam had been a competitor for India in supplying to the Chinese market. Earlier, Pakistan used to supply, but now India has emerged as a major supplier in the category. Dhiraj Khetan of Sri Salasar Balaji Agrotech in Hyderabad, a spinner and exporter, said the Chinese prefer to buy yarn when compared to raw cotton as the prices are cheaper here.

Meanwhile, cotton prices, which were on an upward trend in the past few days, eased on 3rd August around 2 per cent in the ICE market, influencing domestic prices.

"The market is easy as resellers and MNCs are active and have reduced prices by around ₹500 per candy (356 kg). Going ahead, the over demand may ease amidst expectation of the new crop arrivals," said Ramanuj Das Boob, a sourcing agent in Raichur.

Further, the USDA said Indian cotton imports are forecast at a record 4.8 million bales of 480 pounds each in 2025–26 (August 2025–July 2026) and 3 million bales in 2026–27. ❐

Engineering, textiles, toys imports from China grow

Imports of engineering goods, textiles, toys and plastics from China recorded a considerable increase in 2025–26, with engineering goods, one of the largest imported segments, rising nearly 19 per cent, according to data furnished by the Commerce Ministry in the Lok Sabha recently.

Imports of engineering goods rose to $75.82 billion in FY26, posting 18.6 per cent growth from $63.95 billion in 2024–25. Textile imports increased 22.5 per cent to $4.46 billion from $3.64 billion, while toy imports grew 20.7 per cent to $350 million from $290 million. Imports of plastics rose at a slower pace of 5.8 per cent to $6.71 billion from $6.34 billion.

The government put the import surge in a broader context, pointing out that imports from China span several product categories and include raw materials, intermediate goods, capital equipment and advanced technologies.

The response came against concerns raised in Parliament about low-cost Chinese goods, including textiles, toys, plastics, electronics and light engineering products, potentially distorting the Indian market and putting pressure on domestic manufacturers and MSME clusters in Tamil Nadu such as Karur, Tirupur, Coimbatore and Erode.

"India imports products such as lithium, cobalt, nickel, graphite, rare earth elements, etc. that are essential inputs for clean energy technologies, electric vehicles, electronics and semiconductors,' Minister of State for Commerce and Industry Jitin Prasada said in the written reply.

In FY26, India's imports from China touched a high of $131.63 billion, accounting for 16.96 per cent of total imports, while India's deficit with the country was at $112.16 billion, per data furnished earlier.

In the reply, Prasada highlighted measures to tackle possible duty evasion and misdeclaration. 'Wherever violations are detected, appropriate action is taken under the provision of the Customs Act, 1962, including seizure of goods, initiation of investigations, recovery of duty and prosecution, wherever warranted,' the reply reinforced. Stricter quality standards, quality control measures (such as QCOs), testing protocols and mandatory certification help curb sub-standard imports. ❐

Cotton imports may rise to a record 60 lakh bales

Trade body Cotton Association of India (CAI) has raised the import projections of the fibre crop for the 2025–26 season ending September by 13 lakh bales to a new high of 60 lakh bales (of 170 kg each). This is in view of the consuming sector, taking advantage of the 11 per cent duty exemption, making record overseas purchases. Earlier, the trade body projected the imports at 47 lakh bales for the year.

The CAI, which released the latest pressing estimate said cotton imports during 2025–26 will be higher by 19 lakh bales over the previous year.

Till end–June, about 51 lakh bales are estimated to have arrived at the Indian ports, said Vinay N Kotak, President, CAI, and Atul S Ganatra, Chairman, CAI Crop Committee, in a statement.

Currently, the cotton imports are duty-free for the June–October period. Ganatra said another 10–15 lakh bales of imports are expected by September-end. Mills are importing more and don't want to miss out on the 11 per cent duty-free advantage, he said.

While projecting higher imports, CAI reduced the export estimate for the 2025–26 season by 3 lakh bales to 15 lakh bales from its earlier projections of 18 lakh bales. Last year, cotton exports were 18 lakh bales. Till the end of June in the current season to September 30, about 11.25 lakh bales have been shipped in. Based on the arrivals, CAI has raised the pressing estimate by 3 lakh bales to 337 lakh bales of 170 kg each.

Based on the report of the Confederation of Indian Textile Industry (CITI), CAI has increased India's total cotton consumption during 2025–26 by 10 lakh bales to 348 lakh bale, from the earlier estimate of 338 lakh bales. Till June 30, the consumption was estimated at 261 lakh bales.

CAI estimates the total cotton supply for the 2025–26 season at 452.59 lakh bales against 393.59 lakh bales last year. Total supply for 2025–26 comprises an opening stock of 55.59 lakh bales, pressing of 337 lakh bales and imports of 60 lakh bales. The opening stock has been cut by 5 lakh bales following the decision to reconcile stock with a corresponding increase in consumption for the 2024–25 season. ❐

EXPORT PROSPECTS AND MARKETS

Textile exports face hindrance despite gains in UK, Europe

India's textile and apparel industry is taking a cautious stand after the US Senate passed a Bill that could pave the way for tariffs of up to 100 per cent on goods from India over its imports of Russian oil and gas.

The development comes as India's apparel exports to the US fell 18 per cent in the first six months of the year, while total US apparel imports from all countries fell by 9–13 per cent, according to industry estimates.

The decline was largely attributed to US buyers frontloading apparel purchases in anticipation of possible sanctions in the first half of 2025.

However, in a sign of relief, buying agents told reporters that India has already captured 5–10 per cent of orders from the UK that previously went to Bangladesh, following the recently signed Comprehensive Economic and Trade Agreement. Industry players are hopeful that the Indian government will address the decline in US-bound orders by fast-tracking trade deal talks or through negotiations. 'Definitely, 100 per cent tariff will be a threat, and its business implications will be multifield for textile players. We believe negotiations will work as India has also increased crude purchases from the US by 40 per cent versus last year; other goods are also witnessing a similar trend,' said Prabhu Dhamodharan, convenor at Indian Texpreneurs Federation (ITF).

From January to June, US apparel imports stood at around $35.1 billion. Vietnam accounted for 22.4 per cent, followed by Bangladesh at 11.4 per cent, China at 10.2 per cent, Indonesia at 6.65 per cent and India at 6.05 per cent, according to ITF data. Industry experts said India's share had changed only marginally despite concerns over US tariffs.

"We are not seeing any immediate reduction in US export orders. It is too early to panic. We also believe that the government may sign a bilateral treaty very soon," said Elangoan Viswanathan, president of the Buying Agents Association and managing director of SNQS International.

"We also see large volumes of orders shifting from Bangladesh to India, 3-10 per cent of UK orders are being diverted to us. The European Union is also witnessing a similar shift. We need to be ready with the infrastructure and workforce. I expect most of the core basic products will move to Bangladesh," Viswanathan added. The bill passed by the US Senate would empower President Donald Trump to impose tariffs on goods from the five countries that are currently the largest importers of Russian oil and gas—China, India, Azerbaijan, Hungary, and Slovakia. The legislation will now go to the US House of Representatives and, if cleared, will be sent to Trump for final approval.

"I don't think the Congress will pass it. We will have to wait and watch," said another source.

India's textile exports grew 10 per cent in June 2026, but shipments fell 11.25 per cent, according to data shared by the Confederation of Indian Textile Industry. Cumulative textile and apparel exports stood at $2.91 billion in June, up just 0.21 per cent year-on-year.

"This is a thing to worry about for Indian exporters. We need to work more on getting the EU free trade deal agreement signed sooner and also look at diversification," said Sanjay Kumar Jain. Chairman of the ICC National Textiles Committee. ❐

'Inspite of headwinds, exports up by about 15% in April-July'

Despite global economic uncertainties, India's exports surged by about 15 per cent during the April-July period of the current fiscal, according to Commerce and Industry Minister Piyush Goyal. The Minister added that the nation is on track to hit $1 trillion export target for goods and services in 2026–27, up from $863 billion in 2025–26.

'During the first four months of this fiscal, about 15 per cent growth is there in exports,' he said recently. The final exports and import numbers for July got released on August 13.

The Minister said the nine free trade agreements (FTAs) finalised by India in the last four years will open up big markets for the domestic industry. These nine pacts together account for about two-thirds of world trade.

"The whole world is witnessing India's emerging strength. The whole world wants to establish trade

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ties with India. Today's $4 trillion economy is set to become at least a $30 trillion economy by the year 2047," he said.

The nine FTAs mentioned by Goyal span 38 countries. The pacts with Mauritius, the UAE, Australia, the EFTA bloc (Switzerland, Iceland, Norway, Liechtenstein), the UK, Oman, New Zealand, the EU and the US (only a framework to an interim deal has been signed with the US).

During April-June this fiscal, India's goods exports increased 15.92 per cent to $129.32 billion, while imports rose 19.89 per cent to $216.18 billion.

Merchandise trade deficit in April-June 2026–27 was $86.86 billion, compared to $68.75 billion in the same period last year.

With the West Asian crisis continuing to put pressure on freight and insurance cost for India's shipments to the region as well as Europe, exporters' profits have taken a hit. ❐

Arvind Ltd eyes on Japanese designers, leased capacity as denim demand hits all-time high

Gujarat-based textile major Arvind Ltd is looking to tap into the strong demand cycle for denim by bringing Japanese consultants and designers on-board.

The company is also said to be exploring leased and other asset-light manufacturing capacity, as its denim business reaches an all-time high.

No Pressure

Arvind's denim fabric volumes rose 34 per cent year-on-year to 17.5 million metres in the June quarter, the highest in four years.

"We see a robust demand going forward. Till the end of the years, we do not see any pressure on volumes," Punit Lalbhai, Vice-Chairman of Arvind Ltd, said.

With its existing asset base already operating at 100 per cent utilisation, the company is also exploring an asset-light route to add capacity and capitalise on the demand environment.

Arvind is looking at taking over non-functional assets available in the market and operating them itself, including through leased arrangements, rather than relying entirely on fresh capital-intensive capacity.

''Currently, not much has happened, but in the future we are exploring those options. It is a good demand cycle and we are trying our best to take advantage of it,' Lalbhai told investors.

Investing Right

At the same time, Arvind is investing in product development and customer proximity to strengthen its position in the global denim market. The company has brought Japanese consultants and designers on board, with the management saying the move has helped make its denim offering more premium. The company is also strengthening its design network, with hubs in the US and UK and plans to evaluate more locations in Europe.

Its optimism on denim is finding resonance with other apparel makers, too. Gokaldas Exports' Vice-Chairman and MD Sivaramakrishnan Ganapathi said the company was seeing increased interest in Indian denim manufacturing. 'The denims are dominating the scene now, so there are a lot of inquiries and business coming to India,' Ganapathi said.

For Arvind, the combination of record-high denim demand, full utilisation of its existing asset base, and strong visibility until the end of the year is prompting it to look beyond conventional capacity expansion. ❐

UK FTA may unlock $1-bn export opportunity for textiles sector

The India-UK Comprehensive Economic and Trade Agreement (CETA) could unlock an additional $1 billion of export opportunity for India's textile industry, according to a report by India Ratings and Research.

By eliminating the earlier 12% tariff on Indian textile sector, the agreement is expected to boost the landed cost competitiveness of Indian goods in the UK market. However, industry experts said sustained gains will depend on disciplined execution, capacity expansion, and compliance with regulatory standards.

India exported textile and apparel products worth $1.95 billion to the UK in 2025, with apparel accounting for 67% of shipments, followed by home textiles at $290 million and fabrics at $110 million.

"Large, integrated textile companies are better positioned to capitalise on these opportunities due to their scale, established customer relationships, and stronger financial resources. In contrast, small players may face challenges if expansion is funded through excessive debt, which could pressure leverage and liquidity," said Rohit Sadaka, director-corporate ratings, Ind-Ra. ❐

EXPORT PROSPECTS AND MARKETS

Textile and Apparel industry eye on FTA in Europe push

With the India-European Union Free Trade Agreement (FTA) expected to come into effect early next year, the textile and apparel industry is stepping up efforts to explore new markets and deepen relationships with existing buyers across Europe.

A high-level delegation comprising officials from the Ministry of Textiles and representatives of leading trade bodies visited France and Italy, where it participated in major exhibitions and also held discussions with major retailers, fashion brands and industry platforms.

The delegation included Neelam Shami Rao, Secretary (Textile); A Sakthivel, Chairman, Apparel Export Promotion Council (AEPC); and M Beena, Development Commissioner (Handlooms).

Meetings held

In Paris, the delegation met officials of Monoprix, a major retail chain with a port-folio spanning fashion, grocery, home and beauty products and a network of more than 500 stores across France.

The delegation also met officials of Okaidi, a leading French children's fashion brand under the IDKIDS Group, which operates around 890 stores across 51 countries.

Meetings were also held with officials of luxury fashion house Chanel and LVMH, one of the world's largest luxury goods groups, Sakthivel said in a social media post.

In another significant development during the Paris visit, the Bharat Tex Trade Federation and Première Vision SA signed a Memorandum of Understanding on September 2.

The agreement aims to establish a multi-year institutional partnership to strengthen India's engagement with the global fashion, textile and sourcing ecosystem.

Market access

The industry outreach assumes significance following the conclusion of negotiations for the India-EU FTA in January. The proposed agreement is expected to provide preferential market access across a substantial share of India's exports to Europe, with textile and apparel products among key beneficiaries.

The EU's total textile and apparel imports in 2025 were valued at about $292.8 billion, while India's exports of these items to the bloc stood at around $10.4 billion.

For Indian exporters, proposed zero-duty access across textile and clothing tariff lines could improve competitiveness in garments, textiles, yarn and home textiles against rival supplying countries.

Immersion centre

Thirukkumaran Natarajan of Tiruppur Exporters Association (TEA) said one of the key decisions taken during the visit was to establish an Immersion Centre in Milan.

The proposed centre will seek to connect Indian apparel exporters more closely with European buyers, brands and industry stakeholders, creating opportunities for market access, collaboration and product development, he added. ❐

Apparel exporters concerned over cotton, yarn price hikes

Increase in cotton and yarn prices in the last six months is impacting the apparel value chain leading to even cancellation of garment export orders, claim apparel exporters.

Chairman of the Apparel Export Promotion Council (AEPC) A. Sakthivel said export of yarn and increase in cotton yarn prices is affecting the competitiveness of the apparel sector and hence, the Union government should regulate yarn exports.

Cotton yarn prices have increased by around 60% since January. With increase in export of Indian cotton and cotton yarn to apparel-producing countries such as Bangladesh and Vietnam, Indian garment manufacturers are losing their competitiveness, he said.

R. Sakthivel, a garment exporter in Tiruppur, said cotton yarn prices rose by ₹7 a kg in March and in August by more than ₹17 a kg. In the last six months, the prices have gone up by ₹60 to ₹70 a kg. Garment exporters have entered into price contracts with the foreign buyers and cannot revise them now.

Due to recent supply and production issues in Bangladesh, some of the major international apparel importers began looking at India as an alternative sourcing destination. However, with continuous increase in yarn prices, price gap between India and Bangladesh widened and some of these orders were diverted to competing countries, he said.

Textile mills are revising yarn prices frequently and without prior notice, while MSME units cannot buy yarn in bulk, say garment exporters.

However, textile mills contend that hike in cotton prices is the reason for jump in yarn prices. Prices of the widely used Shankar 6 variety of cotton jumped 26% in the last six months. ■

ITAMMA hosts International Conference on AI – A friend & Not Enemy of Textile Industry scheduled at Coimbatore on 25th September

Introduction

AI is transforming India's ₹12 lakh crore textile industry by boosting efficiency and reducing waste by up to 30%, with adoption growing at 40% annually. Key applications include AI-powered fabric inspection, automated design, and predictive maintenance, which reduce costs and enable MSMEs to improve production quality and speed. It further enables fabric sellers, designers, and manufacturers to visualize finished garments from raw fabric, automate product catalog creation, and reach buyers digitally at scale. Tools like StitchMagic — used by 5,000+ Indian textile businesses — reduce the time from fabric inventory to digital catalog from days to minutes. By 2027, AI-powered tools are projected to add ₹1.2 lakh crore in incremental value to India's textile sector through efficiency gains and expanded market access.

AI is already changing India's Textile Sector in Fabric Visualization: Showing the Finished Product, AI-Powered Product Photography, Automated Catalog Creation, Design Intelligence: Trend Prediction, Quality Control with Computer Vision and Supply Chain & Inventory Optimization.

The AI Adoption Gap between Indian Sellers is noticed as below:

BUSINESS SIZE	AI ADOPTION	MAIN TOOLS USED
Large manufacturers (500+ cr)	35%	Trend AI, quality control
Mid-size wholesalers (10-500cr)	15%	Catalogue tools, basic automation
Small wholesale sellers (<10cr)	7%	Photo enhancement, What Sapp catalog
Individual artisans	<2%	Limited smartphone tools

The proposed details of the Conference are worked out as below:

INAUGURAL (MORNING SESSION)
Key-Note Address – " Contribution of AI for the Development of " VIKSIT BHARAT" = Union & State Ministers,
Government of India
HI-TEA
TECHNICAL SESSION-I (PANEL DISCUSSIONS ONLY)
AI-Contribution in the Development of Indian Textile Manufacturing Industry
Speakers [Top authorities of Arvind Mills / Reliance/ Daga Group/ Welspun Group/ LMW]
LUNCH
TECHNICAL SESSION-II [PRESENTATIONS & PANEL DISCUSSION]
AI- Contribution in the Textile Industry Globally
International Speakers = [Laboratory for Artificial Intelligence in Design (AiDLab), The Hong Kong Polytechnic University/
MAS HOLDINGS /AITUS/USTERS/INDORAMA/TOYODA]
TECHNICAL SESSION-III (PANEL DISCUSSIONS ONLY)
Contribution of Academia & Research Associations in the field of AI for the Development of in Indian Textile Industry
Speakers = [SITRA/ PSG/ KCT/SVPIST]

Supporting Ministry	Ministry of Small & Medium Enterprises (MSME)
Jointly with	Southern India Textile Research Associations (SITRA), Coimbatore
Supporting Association	Southern India Mill's Association (SIMA)
Knowledge Partners	Southern India Textile Research Associations (SITRA)/PSG College of Engineering/KCT College of Engineering/ SVPITM [Coimbatore]
Media Partners (proposed)	Tecoya Trend/ Textile Magazine/ Textile Sphere/TVC/ Textile Trends

About ITAMMA

Oldest Association In Textile Industry in India

It's existence

- ITAMMA – 'Indian Textile Accessories & Machinery Manufacturers' Association' - formerly known as 'Association of Merchants & Manufacturers of Textile Stores & Machinery (India) established in the year 1943.
- Accredited by NABET with "DIAMOND Grade" at "National level" ITAMMA has bagged the most prestigious 4th, 6th & 8th Award for Responsible Indian BMOs under the category of 'Environment Responsibility' and ' Social Cause' at the national level Competing with more than 150 Industry Associations - National, State, District and State levels from 19 States.
- Representing-body of Textile Engineering Industry in India.

It's strength

- Around 497 members drawn from all centers of the Textile Engineering Industry in India
- Trade affiliated Satellite Members :

Above 1000 members including members of Textile Machinery & Mill Stores Merchants Associations at:

1. Ahmedabad
2. Madhya Pradesh,
3. Bhiwandi, and
4. Coimbatore.

- ITAMMA's Liaison Offices at Coimbatore and Ahmedabad.
- The Association is affiliated, inter alia, to CII, CITI, FIEO, EEPC, IMC, Indo-German Chamber of Commerce, Indo-French Chamber of Commerce

& Industry, Indo-African Chamber of Commerce & Industries, Indo-Latin American Chamber of Commerce & Industry, etc.

We Serve members :

- Desk-Research : Information relating to production, import and export of textile machines & accessories, dyes & chemicals for Wet-Processing industry.
- Representations: Appropriate authorities on export and import policy and procedures, customs, sales tax, central excise, industrial licensing, transport bottle-necks, etc.
- Effective Communication: Through Publications/ Website with both Textile Engineering & User Industry.

1. "ITAMMA Voice"- A Quarterly magazine
   Carry information on:
   a) technical articles with latest technologies
   b) new products,
   c) new projects executed/pipe line,
   d) mergers/collaborations & acquisitions,
   e) supported with national & international news;
   Circulation: About 5000 hard copies and more than 7000 e-copies.
   Beneficiaries: ITAMMA members, Indian and foreign Embassies, textile industry and related Associations/Mills in India and abroad.
2. "Buyers' Guide: "Textile Stores & Machinery Directory".
3. "User Friendly Dynamic Website with Business Enabler platform & Smart DATA Clinic"

Technology Development initiatives

Cluster development activities

Common Facility Centre

- boost member's competitiveness in national & international markets through technology up gradation, quality improvement and cost effectiveness
- Cluster Development programme implemented at Ahmedabad (Nodal Agency: EDI - Entrepreneurship Development Institute of India - national level Institute)
- Common Facility Centre (CFC) at Ahmedabad is in pipe-line (areas focused are Indigenization, special tests, special finishes & treatments, and training) GITCO has prepared DPR & DRS reports and the SPV of 21 members is formed.
- Design awareness programmes, Lean manufacturing programmes & textile clinics in co-operation with MSMEs, NID, and GITCO.

R & D activities

- Business growth by closing the technology gap vis-à-vis the developed world.
- Signed MOU's with 34 Research/Educational Institutions all over India
- Signed MOU with 17 International Associations of textile machinery and accessories manufacturers

Export initiatives

Export Cells

- 4 Export Cells: each at Ahmadabad, Coimbatore, Mumbai and North India, having leading manufacturing organizations and over 45 members in each zone.
- It harnesses inherited knowledge, new ideas and initiatives of the members and shares it with others in the group.
- It is a platform for all members to discuss and debate on the problem faced, opportunities available in the global market and project India as a hub for quality textile accessories to the world.

Export Excellence Awards

- To acknowledge and motivate our members' export performance

Business delegation

- Organized business delegation visits to Bangladesh, Vietnam, Thailand, Pakistan, Uzbekistan, Indonesia, Vietnam, etc.

Reverse-Buyer-Seller-Meet

- With delegates from abroad representing textile industries.

EVENTS organized

Events enriching Knowledge

- Seminars, Symposia, Workshops, etc. on subjects of interest to the industry and trade represented.

Events resulting in Business growth

- **Product-cum-Catalogue Show**
  - Cost effective & time conserving event where User Industry - Textile Retailers and Manufacturers use this platform for effective tie-ups with the Machinery, Accessories & Spare Parts Manufacturers, Suppliers & Traders
  - National level – 28 shows at PAN India
  - International level - 12 shows
  - Catalogue Displays – More than 20 exhibitions

- "ITAMMA Pavilion"
  National exhibitions: More than 15 exhibitions
  International exhibitions: More than 20 exhibitions

ITAMMA's sustainable assets

Association's immovable Infrastructure

- Heritage building in the heart of Metro City
- Office supported by a well-furnished N. J. Nair Conference Room equipped with Video-conference facilities and a B K Mehta modern virtual Library

Association's strengths

- Think Tank - Office-bearers, Trustees, Managing Committee members and Sub-committee members
- Well qualified and experienced Technical and Administrative staff
- Panel of Consultants (Industry Experts-about 78) in various trade matters.

Supports and Sponsors:

India-ITME:

Association is one of the five sponsors of the India International Textile Machinery Exhibitions Society (India-ITME Society), which holds in India, International Textile Machinery Exhibitions once in four years.

You can look up to ITAMMA for:

Machinery & Accessories Manufacturers

- Tie-ups/Collaborations with Indian Machinery & Accessories manufacturers/suppliers/buyers for Transfer of Technology/ Barters and Business Growth
- Selection of Traders / Dealers / Merchants for effective & potential business networking in India
- Organising Business meets/Study meets/ Seminars/ Exhibitions in India
- Installation of imported testing instruments on Barter system principles in CFC at Ahmedabad and other centers of choice.
- Imparting training to your clients in India
- Auditing factories & your machines sold in India to know the contribution of man/machine/ material towards performance of the factory of installation
- Selection & training of candidates for your firm/ branch or sales office in India
- Market research in India for specific product/ machine/ accessories / spares/components

Fiber/Yarn/Fabric Manufacturers

- Tie-ups/Collaborations with Indian Machinery & Accessories manufacturers/suppliers/buyers for Barters and Business Growth
- Selection of appropriate technologies and machines for your product to be produced in India
- Benchmarking the branded Accessories/spares/ components for machines
- Locating a suitable partner, for executing your projects in India
- Identifying project proposals in India, based on mutual benefits with Machinery and Accessories manufacturers and Dealers
- Foreign Investors interesting in Textile Parks in India
- Fiber/Yarn/Fabric outsourcing from India

Associations of Textile Manufacturers

- Market research in India for specific product/ machine/ accessories / spares/components
- Jointly working for activities like testing, consultancy, training, seminars, conferences, workshops, business-cum-study tours, business meets, study meets, seminars, catalogue shows, delegation visits, participation in Exhibitions, in India & abroad for our members

Associations of Textile Machinery &Accessories Manufacturers

- Jointly working for activities like testing, consultancy, training, seminars, conferences, workshops, business-cum-study tours, business meets, study meets, seminars, catalogue shows, delegation visits, participation in Exhibitions, in India & abroad for our members
- Market research in India for specific product/ machine/ accessories / spares/components

Academicians/R&D Institutes

- Contract research/training programmes/ certificate courses

Consultants

- Turnkey projects
- Implementation of 5S, Lean Manufacturing & Design Awareness Programs, ISO Awareness & Certification, Supply Chain Management, etc.

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Fax : (022) 2287 4060
e-mail : info@itamma.org/admin@itamma.org
accounts@itamma.org, Web : www.itamma.org ■

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Profile of newly elected Office Bearers of ITAMMA for the year 2026-27

Mr. Omprakash Mantry – President (2026-27)

DIRECTOR
CENTURY INKS PVT. LTD.
A/14, BONANZA IND. EST.,
A.C.ROAD, KANDIVALI EAST,
MUMBAI – 400101.
Tel: +91-22- 42643060 /40031204
Cell: +91 9820000291
Website: www.centurymarkers.com
Email: info@centurymarkers.com

Omprakash Mantry is a first-generation self-made businessman from his family & has been in the manufacturing business for 35 years. He has immense experience and knowledge in marking instruments and devices used across the world. With the help of his expertise, 'Century Markers' the brand has grown exponentially in the industry registering a steady year-on-year growth in revenue and Technological Development in the past decade.


Omprakash Mantry
Director

Company's strong ethics & commitment to loyalty is showcased with strong business relationships with several distributors in India & around the globe, for many decades.

With continuous R&D efforts over the last 3 decades our team has developed a wider range of cost effective marking instruments and devices with specialty inks to cater to wider industrial processes & applications namely pump-type textile markers, paint markers, High-Temperature chalks & laundry markers and the most talk of the town " CENTURY'S EVERON PEN ".

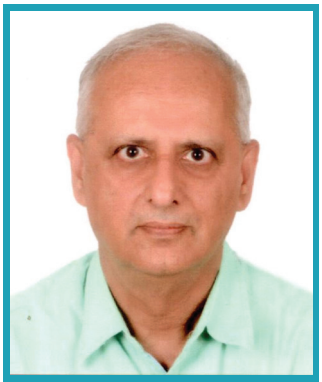
He also owns & manages a government recognised star export house company 3S Corporation engaged in exports & distribution for specialty pharmaceuticals medicines.

He is currently serving as CHAIRMAN of Bonanza Industrial Estate Co-operative society (Kandivali) caretaking of ongoing renovation work for the society. He is Committee member of ALL INDIA PRINTING INK MANUFACTURER ASSOCIATION. Also, He was committee member of PLASTIC EXPORT PROMOTION COUNCIL

Mr. Vishal Masand – Vice-President (2026-27)

Proprietor of
TiRUPATi TECHNiK
#502, 5th Floor, Indira Bhavan, Plot No. 18, 4th Road, Khar West, Mumbai 400052
Phone: - 022-66661770
E-Mail:- tirupatitechnik@gmail.com

Vishal Masand is a Chemical Engineer with a MBA. He started his career as a trainee in Petrofils, Vadodara before moving on as a Project Engineer in Hindustan Dorr Oliver commissioning DAP Fertilizer and Desalination plants and finally as a Business Development Executive in the Oil & Petrochemical Sector, CMC Limited.


Vishal Masand
Proprietor

After this stint in working life, Mr. Masand started his own business and currently is the Proprietor of TiRUPATi TECHNiK since June 1997.

Thus having a total experience of 35 years in the representation and servicing of Lenzing Instruments GmBH & CO KG, Austria, Move Engineering, Italy, Honigmannn Electronic GmbH, Germany and Broell Ceramics, Austria, thus having the major market share in the respective fields in the Industry.

Agents for entire range of Lenzing Instruments filament, fibre, non-woven testing equipment with the new range of PFY online System (OLM), Hypox based cleaning equipment for Polyester, Polypropylene Nylon, etc.

He has been a member of Managing Committee of ITAMMA, being proactive in the activities of ITAMMA since past many years.

Mr. Rajeswaran Sundarraj - Hon' Treasurer (2026-27)

Managing Director of
Naren Group of Companies
9/10, Periar Nagar, Nehru Nagar East,
Civil Aerodrome post, Coimbatore – 641014.
Email: sundar1870@gmail.com
Phone: 0422-2627127

Mr. Rajeswaran Sundarraj is a visionary first-generation entrepreneur with more than three

Profile of newly elected Office Bearers of ITAMMA for the year 2026-27

decades of experience in the textile engineering and industrial automation sectors.



Mr. Rajeswaran Sundarraj
Managing Director

Through his technical expertise, innovative thinking, and entrepreneurial leadership, he has established the Naren Group of Companies as a trusted name in textile machinery spare parts, industrial electronic components, machine sensors, and advanced automation solutions.

Under his leadership, the Group's flagship brands have achieved sustained year-on-year growth by delivering technologically advanced, high-quality, and cost-effective products to customers across India and international markets. His unwavering commitment to innovation, product excellence, ethical business practices, and long-term partner relationships has earned the confidence of distributors, OEMs, and industrial clients worldwide.

Mr. Sundarraj firmly believes that continuous innovation is the cornerstone of sustainable growth. By investing consistently in research and development, he has successfully introduced reliable alternatives to globally sourced industrial components while maintaining superior quality and competitive pricing. His strategic vision has enabled the company to expand its market presence and strengthen its position as a preferred solution provider for the textile and manufacturing industries.

Mr. Sundarraj is the Chief Marketing Officer of Ariyai Tech Pvt. Ltd., where he leverages his extensive industry expertise and strategic insights to strengthen customer relationships and accelerate business growth. Serving on a nine-director executive team with over 130 years of combined experience, he specializes in bridging the gap between business strategy and advanced technologies like cloud architecture and large-scale digital transformations. He drives industry collaboration through professional trade organizations and connects traditional manufacturing with next-generation digital tools to deliver impactful AI, automation, and enterprise solutions.

He has been a member of Managing Committee of ITAMMA, being proactive in the activities of ITAMMA since past many years.

For further information, please contact :
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China's exports surge 25% in August

China's export growth acceleration in August, swelling its trade surplus near $806 billion for the year just as the US ramps up pressure on Beijing to address imbalances before the leaders of the world's biggest economies meet in Washington.

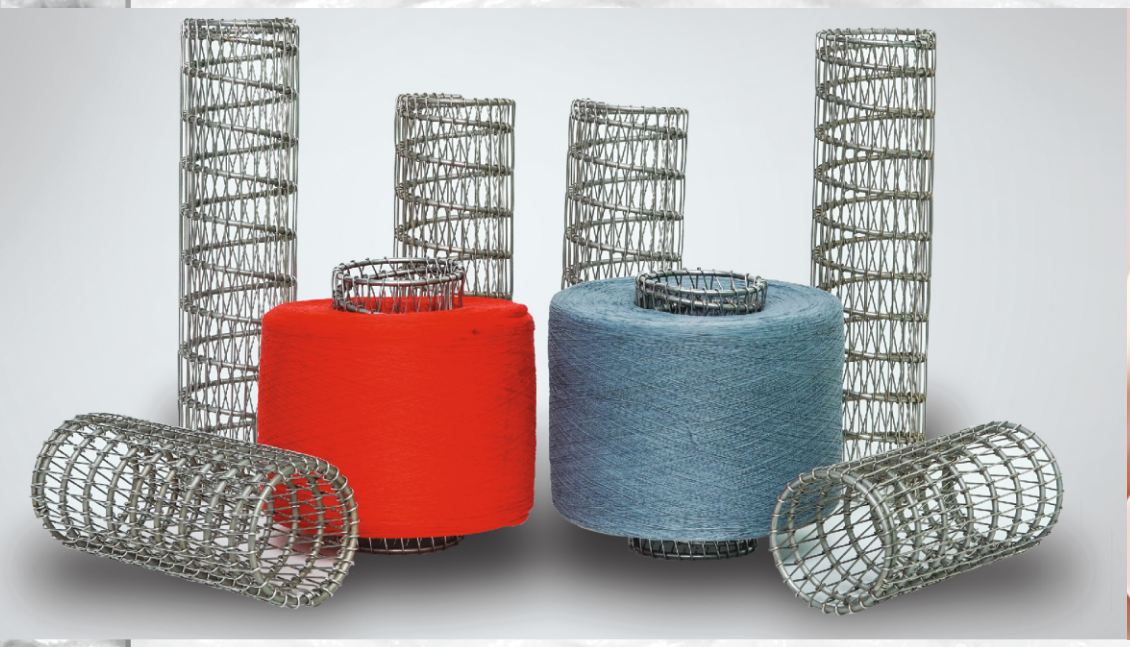
Exports jumped 25% in August from a year earlier, slightly undershooting forecasts after an increase of nearly 24% in the previous month. Imports rose 28.2%, data released by China's General Administration of Customs showed recently.

As a result, the trade surplus for the month widened 6% from July to $119.1 billion, keeping the total for the year to date above its level during the same period of 2025.

"The odds are rising we'll see China's trade surplus hit a new record high this year, despite the major pickup of imports this year," said Lynn Song, chief economist for Greater China at ING Bank. "This could cause tensions to pick up, especially for those economies where China's imports aren't rising so fast, such as from Europe and the US."

After racking up a record $1.2 trillion surplus last year, China is on pace for an even bigger haul in 2026 as the global AI infrastructure buildout propels trade across Asia. The relentless growth in exports is generating imbalances and adding to tensions with trade partners concerned that China's manufacturing dominance across the global value chain is hollowing out their own industries. ■

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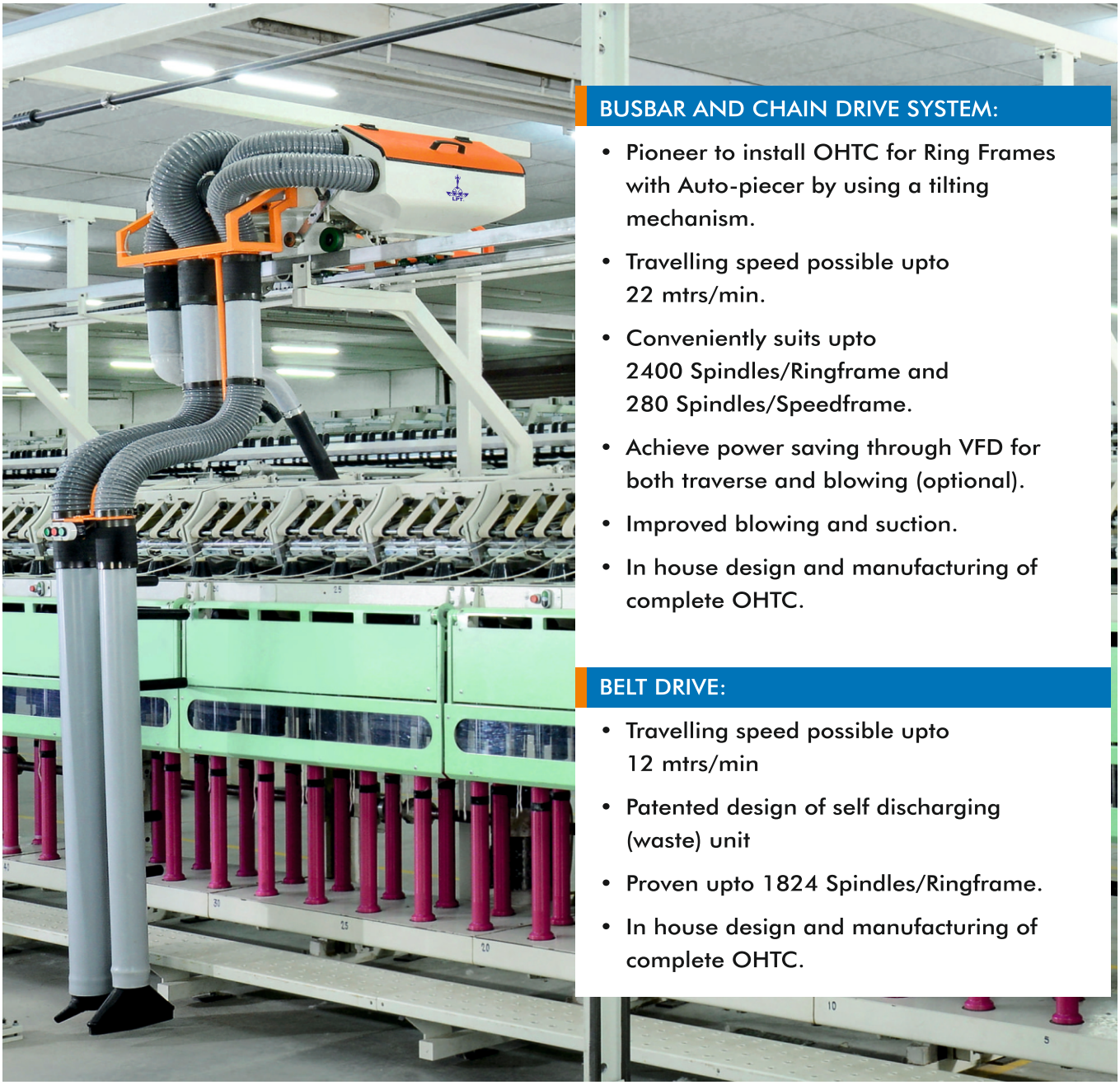
SB CORPORATION

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Mob.: +91 98923 61619/ 77150 66653 | E-mail : sbcorporation1968@gmail.com/ sandy111112014@gmail.com

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- Travelling speed possible upto 22 mtrs/min.
- Conveniently suits upto 2400 Spindles/Ringframe and 280 Spindles/Speedframe.
- Achieve power saving through VFD for both traverse and blowing (optional).
- Improved blowing and suction.
- In house design and manufacturing of complete OHTC.

BELT DRIVE:

- Travelling speed possible upto 12 mtrs/min
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- Proven upto 1824 Spindles/Ringframe.
- In house design and manufacturing of complete OHTC.

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Birla Cellulose attempts to carry out new Handloom initiative in combination of tradition with trends

As India's handloom sector balances the demands of tradition and market relevance, innovation is increasingly becoming a critical enabler of growth. Birla Cellulose is contributing to this transition by helping handloom clusters integrate sustainable cellulosic fibres such as Livaeco™ Viscose, Livaeco™ Modal and Livaeco™ Lyocell into their product offerings, allowing weavers to create fabrics that retain their artisanal appeal while responding to changing consumer expectations around comfort, affordability and sustainability. The effort is helping strengthen domestic textile value chains while opening new avenues for value creation across weaving communities.



Traditionally, handloom weaving in India has relied on cotton& silk yarns. However, the constant fluctuations in price & supply, compounded by changing consumer buying patterns require a stable supply of high-quality input materials.Birla Cellulose seeks to address this gap by enabling the use of high performance MMCF fibres namely viscose, modal and lyocell fibres. These fibres blended with the traditional fibres or even as standalone products help in crafting fabrics that retain the richness of handloom while delivering enhanced softness, drape, comfort and sustainability.

The initiative goes beyond fibre adoption. It is built on a partnership-driven model that focuses on creating long-term value for the weaving community. Birla Cellulose has undertaken extensive yarn seeding programmes, provided technical support for dyeing and product development, facilitated product testing, and established supply mechanisms to ensure access to small quantities of yarn. Additional interventions, including cone-to-hank conversion facilities, have helped simplify adoption at the weaver level.



Assam emerged as the first pilot hub for the project, establishing a framework that is now being replicated across the country. The programme has expanded into Odisha, West Bengal, Gujarat, Madhya Pradesh and Uttar Pradesh, working alongside organisations such as ARTFED, KHAMIR, the Kutch Weavers Association and various state-supported handloom societies. From Silk x Livaeco™ Modal Chanderi fabrics in Madhya Pradesh to Banarasi blends with Livaeco™ Modal & Livaeco™ Lyocell in Varanasi, the initiative is accelerating product innovation rooted in regional craftsmanship.

Strengthening this effort further, Birla Cellulose has entered into a strategic collaboration with the State Agency for Development of Handloom Cluster (SADHAC), Odisha, through a Memorandum of Understanding (MoU) focused on developing innovative handloom fabrics using Livaeco™ Lyocell. The partnership aims to create a new generation of premium handloom textiles by blending Lyocell fibre with traditional handloom yarns, enabling artisans in Odisha and beyond to retain the authenticity and aesthetics of regional weaving traditions while introducing enhanced comfort, versatility and sustainability. By combining fibre innovation with centuries-old craftsmanship, the initiative seeks to make handloom products more relevant to the changing preferences of modern consumers.

The collaboration is designed to unlock new design, product development and market

opportunities for handloom clusters across Odisha, while strengthening the value proposition of handcrafted textiles. Formalised in the presence of Guha Poonam Tapas Kumar, IAS, Commissioner-cum-Secretary to Government, Handlooms, Textiles & Handicrafts Department, Government of Odisha, the partnership reflects a shared commitment to advancing Odisha's handloom sector through sustainable fibre innovation. Through the integration of sustainable fibre technology, SADHAC and Birla Cellulose aim to promote environmentally responsible fabrics that appeal to consumers seeking products that balance cultural heritage with contemporary lifestyles. The partnership reflects a shared vision of revitalising India's handloom sector by preserving Odisha's rich weaving heritage and textile traditions while equipping artisan communities to compete in future-ready domestic and global markets.



Reflecting on the initiative, Manmohan Singh, Chief Marketing Officer, Birla Cellulose, says, " Our partnerships represent a sustainable & high growth opportunity for small scale enterprises. By combining traditional weaving excellence with fibre innovation, weavers are able to harness the innovate faster, diversify offerings & are able to cater to the changing consumer preferences with greater agility.

The scale of engagement achieved over the past year highlights the momentum building across these clusters. More than 150 micro-meets and hub engagements have been conducted across states including Assam, Meghalaya, Mizoram, Gujarat, Odisha, Tamil Nadu and Uttar Pradesh. The programme has added over 80 partners, trained approximately 7,000 weavers, and expanded its footprint across multiple weaving districts and production centres. Today, nearly 3,500 tonnes of fibre and yarn are being consumed annually within the handloom ecosystem through these efforts.

For Birla Cellulose, the initiative represents a broader effort to strengthen India's handloom ecosystem by creating opportunities for artisans while introducing fibres that align with evolving market expectations. As an India first brand, Birla Cellulose is nurturing domestic textile value chains by bringing together innovation and tradition. The result is not a reinvention of handloom, but a thoughtful evolution of it, ensuring that India's weaving heritage remains relevant, competitive and accessible for generations to come.

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Beyond the curve by VIRGIO Celebrates a Milestone Year of reshaping Curvy Fashion in India

Beyond The Curve by VIRGIO, India’s fastest-growing curvy fashion brand, has completed one year since its launch, marking a significant milestone in India’s curvy fashion landscape. Co-created by VIRGIO with actress Anjali Anand, Beyond The Curve was born from a simple yet powerful question: why should trend-led style stop at a certain size?

Over the past 12 months, the brand has grown into one of the most exciting new voices in curvy fashion, with over 30,000 customers, ₹25 crore ARR, and a 100K+ Instagram community. The milestone marks a strong first year for the trend-first curvy fashion brand, built around the belief that women should not have to choose between clothes that fit and clothes they genuinely want to wear.

As part of its first birthday celebration, Beyond The Curve also hosted a Birthday Sale as a give-back to the community that has shaped and supported the brand through its first year. The sale garnered strong love and response from customers, reflecting the deep connection the brand has built with women who have embraced its trend-first approach to curvy fashion.

To celebrate its first birthday, Beyond The Curve also hosted a weekend celebration at VIRGIO's Infiniti Mall, Malad store on July 4th and 5th. The event brought together customers, creators, and the brand's co-creator Anjali Anand to mark a year of dressing with confidence, individuality, and style.

The celebrations will continue with a special Birthday Drop going live on July 9th, featuring hundreds of new styles designed for curvy women. With this drop, Beyond The Curve continues its commitment to bringing fresh, contemporary fashion to extended sizes with the same speed, relevance, and design intent as mainstream trend-led fashion.



Over the past year, Beyond The Curve has built its identity around a simple belief: women should not have to choose between clothes that fit and clothes they genuinely want to wear. Today, the brand offers trend-led styles in sizes up to 6XL, spanning everyday essentials, elevated separates, occasion-ready silhouettes, and contemporary statement pieces. Its focus has remained on making fashion more accessible, expressive, and relevant for women across sizes.

The anniversary celebration reflected that spirit. Guests explored the latest edits from the collection, interacted with Anjali Anand, and spent the weekend doing what fashion is ultimately about: trying something new, finding pieces that feel like themselves, and celebrating style without limitations.

"I've always believed confidence begins with feeling comfortable in what you wear. Beyond The Curve has always been about making women feel seen, not just sized. Watching so many women embrace the brand, style it in their own way, and make it part of their everyday confidence has been incredibly special. This first year is only the beginning, and I'm excited to see this journey continue," said Anjali Anand, actress and co-creator, Beyond The Curve by VIRGIO.

Beyond the celebrations, the milestone also marked a moment to reflect on the journey of the brand and its continued focus on making trend-led fashion more accessible across sizes. In a market where extended-size fashion has often been underserved or treated as an afterthought, Beyond The Curve has focused on bringing the same freshness, variety, and design intent to curvy fashion that consumers expect from contemporary fashion brands.



"When we started Beyond The Curve, we weren't trying to create a separate category. We were questioning why it had to exist in the first place. Fashion moves fast, trends change every week, but women wearing extended sizes have often had fewer choices. The response over the past year has only reinforced what we believed from day one: women don't want different fashion, they want access to the same fashion. That is the direction we will continue building towards," said Amar Nagaram, Founder & CEO, VIRGIO and Beyond The Curve.

CORPORATE NEWS

The first year of Beyond The Curve has been shaped by the women who have embraced the brand and made it their own. As it looks ahead, Beyond The Curve will continue to evolve through fresh drops, contemporary silhouettes, and a continued commitment to ensuring that fashion remains expressive, trend-led, and accessible across sizes.

About Beyond The Curve by VIRGIO

Beyond The Curve by VIRGIO is a trend-first curvy fashion brand created to make contemporary fashion more accessible for women across sizes. Co-created with actress Anjali Anand, the brand offers thoughtfully designed styles in extended sizes, with a focus on fit, comfort, confidence, and personal expression.

Beyond The Curve is part of VIRGIO, a Bengaluru-based fashion-tech company founded by Amar Nagaram, former CEO of Myntra. VIRGIO combines technology, AI-led trend intelligence, and an on-demand manufacturing ecosystem to create trend-first fashion that is responsive, efficient, and aligned with real-time consumer demand. By producing closer to demand, VIRGIO is working to reduce the overproduction challenges that have historically defined the fashion industry.

With a vision to build the world's largest on-demand fashion brand by 2030, VIRGIO is reimagining the fashion value chain through a demand-led approach that prioritises speed, innovation, style, and responsible growth.

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Bluesign advances responsible chemical management to protet worker health

Why the People Behind Your Clothes Deserve a Seat in the Sustainability Conversation

Chemical exposure during textile production is one of the least-discussed health and safety issues in fashion, and one bluesign (www.bluesign.com) has spent over 25 years working to address from the inside.

For more than two decades, bluesign has partnered with brands, manufacturers, textile mills, and chemical suppliers to advance responsible chemical management across the textile supply chain. Today that network spans more than 900 partners globally. The bluesign System is built on a simple, preventative philosophy: the safest chemical is the one that never enters production. Rather than testing for problems after the fact, bluesign works upstream - evaluating chemical formulations, manufacturing processes, and facility operations - to help partners select safer chemistry and continuously improve conditions on the factory floor.



We've just published new insight into how this plays out in practice, including the specific risk areas bluesign assessors look for on-site and the hierarchy of controls (the "S.T.O.P." principle) that separates well-managed facilities from the rest. You can read the full piece here: Worker Health: An Underdiscussed Issue in Textile Manufacturing

Why now?

This conversation arrives at a pivotal moment for bluesign. The company recently welcomed Hanane Taidi as CEO, bringing new leadership focus to bluesign's next chapter of global impact. It also comes as bluesign prepares to launch bluepass, its first consumer-facing mark, appearing on garments in the coming weeks. This signals that the transparency bluesign has long delivered to brands and manufacturers is now extending to the people who buy the clothes.

At the same time, tightening regulation (PFAS restrictions, the EU's CSDDD, and expanding due diligence law) is pushing brands to find verified, primary data on how their supply chains actually operate. bluesign's System, and the digital product passport infrastructure it feeds, is built to meet exactly that need.

We'd welcome the opportunity to connect you with:

- Hanane Taidi, our new bluesign CEO, can speak on on leading bluesign's next phase and

how prioritizing worker health means for the future of responsible manufacturing

- Barbara Oswald, Chief Commercial Officer, oversees all system partner relationships and can speak to how bluesign works day-to-day with brands, manufacturers, and chemical suppliers to drive adoption of safer chemistry and stronger worker health practices across the supply chain
- Dr. Daniel Waterkamp, Head of bluesign Academy and an industry expert resource, on the technical and regulatory realities of chemical exposure in textile production, and how the bluesign System's on-site assessments and improvement programs work in practice

Happy to arrange interviews, provide additional data, or share more on the bluepass launch. Reach out to me and let me know what would be most useful for your upcoming coverage on this growing industry topic.

About bluesign: For more than 25 years, bluesign has partnered with brands, manufacturers, textile mills, and chemical suppliers to advance responsible textile production. Through its science-based input stream management system, bluesign helps facilities improve chemical management, strengthen worker health and safety, reduce environmental impacts, and support more sustainable manufacturing across global supply chains.

www.bluesign.com

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Listicle Featuring brands have been curated in order to keep India's handloom heritage alive on National Handloom Day

National Handloom Day 2026: Indian Brands That Are Giving Handloom a Modern Identity

India's handloom tradition has always been about more than beautiful fabrics. Every weave carries the story of a community, a region, and generations of skilled artisans. While fast fashion has changed the way people shop, there's also a growing appreciation for clothing that's thoughtfully made and rooted in tradition.

This National Handloom Day, here's a look at brands that are keeping India's weaving heritage alive while making it relevant for today's consumers.

1. Fabindia

Few brands have championed Indian handloom like Fabindia. From handwoven cottons to traditional textiles sourced from artisan clusters across the country, the brand has consistently worked towards bringing local craftsmanship into everyday wardrobes.



2. LIVA

While LIVA is best known for its soft, fluid fabrics made from naturally sourced fibres, the brand has also been encouraging conversations around responsible fashion. By partnering with designers and apparel brands, LIVA helps create collections that pair contemporary fabrics with traditional Indian craftsmanship. The idea is simpleheritage doesn't have to stay limited to festive wear; it can evolve into something that fits seamlessly into modern lifestyles.



3. Taneira

Taneira has become a go-to destination for authentic handwoven saris from different parts of India. Whether it's Banarasi, Chanderi, Kanjeevaram or Jamdani, the brand brings together diverse weaving traditions under one roof while highlighting the stories behind every craft.

4. Raw Mango

Raw Mango has given traditional Indian textiles a fresh perspective. Its collections stay rooted in heritage while embracing clean, contemporary designs that appeal to younger consumers without losing the authenticity of the weave.





5. Okhai

Built around artisan empowerment, Okhai works with rural women artisans to create handcrafted apparel and accessories. The brand celebrates embroidery, handloom and craft techniques while creating sustainable livelihood opportunities.

6. Suta

Suta has made handcrafted saris more approachable for a new generation. Known for its storytelling and everyday styling, the brand has helped make handloom feel effortless, versatile and relevant beyond special occasions.

7. Jaypore

Jaypore continues to celebrate India's craft traditions through thoughtfully designed clothing, textiles and home décor. Its collections showcase regional weaving techniques while supporting artisan communities across the country.





8. Ekaya Banaras

Ekaya has successfully brought Banarasi weaving into the contemporary fashion space. Working closely with weaving families, the brand creates pieces that honour centuries-old craftsmanship while speaking to modern tastes.

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Sincerest condolence on sad demise of former president and board member Anders Nilsson

FESPA is deeply saddened to announce the passing of Anders Nilsson, former FESPA President and long standing Board Member, whose contribution to FESPA and its global print community was significant and enduring.

Anders served as President of FESPA from 2007 to 2010 during a pivotal period ofinternational growth and innovation for FESPA.

During Anders'tenure, FESPA strengthened its position as a global federation by expanding its Association network inAsia and beyond. His

commitment to broadening FESPA's reach helped to lay the foundations for its sustained development as a global community for the speciality print sector.

FESPA also continued to direct its focus to emerging technologies and the changing needs of the print industry during Anders' presidency, following the successful launch of FESPA Digital in 2006. Under his leadership, FESPA adapted to reflect the rapid advancement of digital printing technologies, which have reshaped wide format print production over the last two decades.



Anders Nilsson, FESPA President

Anders was a FESPA Board Member for 21 years, from 2000 to 2021. Following his Presidency, he assumed the role of Asia Ambassador, actively networking with regional associations and partners to strengthen FESPA's global presence.

Anders was also a central figure at FESPA Sweden, from 1994 to 2026. In 2023, he was honoured with the title Honorary Chair of FESPA Sweden, an award that reflected his long and significant service to the print industry.

Beyond his roleswith FESPA, Anders was the respected CEO and owner of Gamleby Screen AB, a Swedish large format printing company. He was able to apply his deep understanding of the industry, as well as his commercial expertise, to his leadership of FESPA.

In addition to his professional achievements, those who worked alongside Anders remember him for his warm character. Anders was a big personality who took a genuine interest in colleagues and friends, and he formed lasting relationships across the FESPA community. His kind, approachable nature and sense of humour made him a popular and much-loved figure.

FESPA President, Daniel Sunderland, comments: "Anders was a dear friend loved by everyone, who made a lasting contribution to FESPA in what was an exciting and transformative period for our organisation. His ability to connect with people across various regions helped to form the FESPA that we know today. Anders will be greatly missed by those who had the privilege of knowing him and working with him."

About FESPA

Founded in 1962, FESPA is a global federation of Associations for the screen printing, digital printing and textile printing community. FESPA's dual aim is to promote screen printing and digital imaging and to share knowledge about screen and digital printing with its members across the world, helping them to grow their businesses and learn about the latest developments in their fast-growing industries.

FESPA Profit for Purpose

Profit for Purpose is FESPA's international reinvestment programme, which uses revenue from FESPA events to support the global speciality print community to achieve sustainable and profitable growth through four key pillars - education, inspiration, expansion and connection. The programme delivers high quality products and services for printers worldwide, including market research, seminars, summits, congresses, educational guides and features, in addition to supporting grassroots projects in developing markets. For more information visit, www.fespa.com/profit-for-purpose.

Forthcoming FESPA events include

- FESPA Africa 2026, 8 – 10 September 2026,Gallagher Convention Centre, South Africa
- FESPA Mexico 2026, 10–12 September 2026, Centro Citibanamex, Mexico City
- FESPA Middle East 2027, 12 – 14 January 2027, Dubai Exhibition Centre, Dubai
- FESPA Brasil 2027, 1 – 4 March, 2027 – Expo Center Norte, São Paulo, Brazil
- FESPA Global Print Expo 2027, 6 – 9 April 2027, Messe Munich, Germany
- European Sign Expo 2027, 6 – 9 April 2027, Messe Munich, Germany
- WrapFest 2027, 6 – 9 April 2027, Messe Munich, Germany
- Textile 2027, 6 – 9 April 2027, Messe Munich, Germany

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CORPORATE NEWS

Saitex brings out its 2025 impact report

The 2025 Impact Report captures the continued evolution of SAITEX's integrated approach to responsible manufacturing.

Among its key findings

- The SAITEX Fabric Mill increased production by 22% while reducing electricity consumption per meter by 22%, greenhouse gas emissions per meter by 20%, water consumption per meter by 9%, and waste generation per meter by approximately 25%. These improvements demonstrate continued gains in manufacturing efficiency while supporting increased production.
- Approximately 85% of SAITEX's denim fabric production aligns with the chemistry requirements for Cradle to Cradle Certified® Material Health Gold and bluesign®, reflecting long-term investment in advanced chemical management and safer manufacturing inputs.
- Through Made2Flow, SAITEX provides product-level Life Cycle Assessment data enabling Digital Product Passport (DPP) creation across its product portfolio, giving brands greater visibility into the environmental profile of the materials and garments they source.

Transparency Beyond the Metrics

Rather than presenting only successes, the 2025 Impact Report also documents where progress fell short of expectations and the operational realities shaping manufacturing today.

- The report openly details delays to several renewable energy and infrastructure projects, including planned solar installations and the rollout of closed-loop water systems. These timelines shifted due to construction requirements, permitting processes, infrastructure limitations and the continued lack of economically viable battery storage and direct renewable energy access in Vietnam, highlighting many of the external barriers manufacturers continue to face.
- The report also illustrates how manufacturing performance is increasingly influenced by decisions made before production even begins. During 2025, higher demand for garment-dyed products, vintage washes and heavier-weight fabrics increased water and steam consumption, demonstrating how product design and sourcing choices directly affect factory environmental performance.
- Similarly, production volumes for Cradle to Cradle Certified® Material Health Gold and bluesign®-aligned fabrics declined as customer demand shifted, not because manufacturing capability changed. At the same time, the share of Better Cotton (BCI) used at the SAITEX Fabric Mill increased from 9% to 21% in response to customer purchasing decisions, moving the company further from its long-term objective of maximizing regenerative, organic and recycled fibers. The report uses these examples to reinforce that many of the industry's next environmental gains will require closer collaboration between brands and manufacturers.

Knowledge That Scales

A central theme throughout SAITEX's 2025 Impact Report is the belief that manufacturing knowledge should be shared, to help accelerate progress across the fashion industry and beyond.

Examples include

- During 2025, SAITEX expanded its commitment to industry knowledge-sharing through To the Finish Line, an initiative supported by the German Federal Ministry for Economic Cooperation and Development (GIZ). As one of 18 subject matter experts, the company delivered three environmental management training sessions and contributed an article to To Walk the Talk – Manufacturer Voices: Peer Learning for Environmental Performance. Together, these initiatives reached more than 2,100 participants representing 790 manufacturing facilities, providing practical guidance on environmental management and operational best practices.
- During 2025, SAITEX was also selected to participate in ZDHC's Supplier to Zero pilot program. The collaboration will be featured as a best-practice case study in the 2026 ZDHC Smart Sourcing Handbook, highlighting SAITEX's collaborative approach to advancing chemical management across the apparel supply chain.

- During 2025, SAITEX published its 90/10 Onshoring Model white paper, proposing a hybrid manufacturing framework designed to rebuild U.S. manufacturing jobs while maintaining global cost competitiveness. The model keeps 90% of production in Vietnam and 10% in Los Angeles, supported by targeted policy incentives that can strengthen supply chain resilience, reduce lead times and expand domestic employment. Designed for industries with modular production systems, the framework could extend beyond apparel to sectors including consumer products, automotive parts, electronics, home goods and medical products.

Continuous Improvement as an Operating Principle

The report also illustrates how collaboration with brand partners continues to strengthen SAITEX's manufacturing platform.

Following a PFAS-focused audit by Inditex, none were discovered at SAITEX. The team did identify an opportunity to replace one approved chemistry with an equivalent alternative from Inditex's preferred chemical list. The same was implemented across all facility production-not just Inditex orders.

Throughout the report, SAITEX documents the projects and innovations shaping its manufacturing system, offering a practical view of how it continues to evolve through testing, measurement and refinement.

Building the Next Generation of Apparel Manufacturing

SAITEX continues investing in renewable energy, circular manufacturing, advanced chemistry, Life Cycle Assessments, Digital Product Passports and product-level environmental intelligence while working toward sourcing 100% renewable electricity for apparel manufacturing by the end of 2028.

SAITEX believes the next generation of manufacturing will be built not by individual factories working alone, but by an industry willing to openly share the systems, data and lessons.

About SAITEX

SAITEX is a vertically integrated apparel manufacturer producing premium denim and apparel for many of the world's leading fashion brands. Operating manufacturing facilities in Vietnam and the United States, SAITEX integrates advanced production, responsible chemistry, renewable energy, water stewardship, circular material innovation and digital product intelligence into a single manufacturing ecosystem. For more than two decades, the company has pioneered new approaches to apparel production while openly sharing manufacturing knowledge and best practices that help advance the future of the global fashion industry. Visit: www.sai-tex.com.

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Mission to Bangladesh of Italian Textile Machinery

Italian Textile Machinery excellence makes a double stop in Bangladesh

Technological upgrading and the transition toward higher value-added production are driving the new Italian industrial mission to Bangladesh. This year, the mission will split between the country's two main manufacturing hubs, where Italian manufacturers will meet the leaders of the local textile supply chain in two strategic stages: July 7th in Dhaka and July 9th in Chittagong.

The double appointment shines a spotlight on a market that confirms itself as a true cornerstone for Italian exports in Asia—a geographical area that alone absorbs 40% of the sector's foreign sales, reaching a value of 667 million euros. Bangladesh's role has grown steadily, culminating in 2025 with a turnover of 71 million euros and posting a double-digit increase (+17% compared to the previous year).

Production flexibility and the ability to create customized technological niches are the hallmarks of the roughly 300 companies making up the Italian textile machinery industry—a highly internationalized sector that exports 86% of its production to 130 countries.

"The 2025 figures speak clearly: the 17% growth testifies that the Bangladeshi textile industry views Italian manufacturers as an irreplaceable partner to win the global challenge of quality and efficiency," comments Marco Salvadè, President of ACIMIT. "The decision to visit both Dhaka and Chittagong with this workshop stems from our desire to closely support the country's two industrial engines,

CORPORATE NEWS

offering tailored solutions capable of generating an immediate technological upgrade and guiding local players toward more sustainable models. This journey also represents an ideal springboard ahead of ITMA Hanover 2027, the global stage where we will showcase the next major evolutions of our technology."

The workshop—promoted by the Italian Trade Agency (ICE) and ACIMIT and organized with the valuable support of the Embassy of Italy in Dhaka—will be structured to maximize networking opportunities through targeted B2B business meetings and in-depth technical seminars in both cities. It will feature the participation of the following Italian companies:

COLOR SERVICE, CORINO MACCHINE, DANTI, DURST, L.A.I.P., LAWER, MONTI - MAC, MS PRINTING SOLUTIONS, ROJ, PENTEK, PINTER CAIPO, REGGIANI MACCHINE, SALVADE', TECNORAMA, UGOLINI.

ACIMIT (Association of Italian Textile Machinery Manufacturers) was founded in 1945 with the primary objective of promoting the Italian textile machinery industry by supporting its activities both in Italy and abroad. A non-profit organization, it currently brings together approximately 200 textile machinery manufacturers representing 85% of the sector's turnover in Italy, for a total value of about 2.1 billion euros, of which approximately 86% is exported to 130 countries worldwide. The technologies produced are divided into various reference categories: spinning, weaving, knitting, finishing, and other machinery. Creativity, sustainable technology, reliability, and quality are the characteristics that have made Italian textile machinery a world leader.

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Spykar announces the rolling out of Ikemen, a trend-forward denim-fit with a campaign featuring Vidyut Jammwal

Spykar, India's leading denim-first fashion brand, announces the pan-India launch of its in-trend Denim fit, Ikemen, brought to life through the high-impact campaign 'Stay Hip, Stay Loose' starring Vidyut Jammwal.

As global fashion cycles return to 90s-inspired baggy silhouettes, Indian consumers, especially Gen Z and Gen Alpha are driving a shift towards relaxed, gender-neutral, and fluid fits that prioritise both comfort and self-expression. Tapping into this cultural movement, Ikemen emerges as the fit of now, a silhouette that reflects evolving style codes and the demand for effortless, versatile dressing.

The campaign captures the essence of contemporary fashion. While Hip reflects a culture-driven, trend-aware, and youthful mindset, Loose embodies comfort, fluidity, and a fearless approach to style. At its core, the campaign taps into a broader cultural shift where fashion is no longer about fitting in, but about standing out while staying comfortable.

Bringing his distinctive persona to the campaign, Vidyut Jammwal perfectly embodies the Ikemen philosophy - effortless, confident, and unrestricted. Known for his high-octane stunts and signature agility, his association adds strength to the narrative, reinforcing the idea that true style lies in comfort and authenticity.

Speaking on the launch, **Sanjay Vakharia, CEO and Co-founder, Spyker,** said, "Ikemen is our response to a clear shift in consumer mindset. Today's youth is moving towards relaxed silhouettes that allow individuality and ease. With Ikemen we are not just launching a fit, we are building a cultural narrative around how denim and style is evolving in India."

Supported by a multi-platform rollout including campaign films, digital content, and social storytelling Spykar aims to drive Ikemen into mainstream fashion conversations. The brand will further amplify the launch through curated style edits, seasonal look guides, trend-led listicles, and engaging conversations across media platforms.

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ITMA 2027 Receives huge Industry Response

ITMA 2027 has unveiled its sector plan, marking progress towards the 2027 edition as planning continues ahead of the show.

The ITMA 2027 sector plan covers 12 halls at the Messegelände Hannover venue, spanning over 180,000 square metres, and features 20 sectors of the textile and garment making processes, from spinning to finishing, software and automation, recycling, and fibres, yarns and fabrics.

The textile and garment technology industry has responded strongly to ITMA 2027, with more than 1,500 companies from 43 countries already securing their participation. CEMATEX, the European Committee of Textile Machinery Manufacturers comprising nine national associations ACIMIT, AMEC AMTEX, BTMA, GTM, SWISSMEM, SYMATEX, TMAS, UCMTF and VDMA, continues to demonstrate its leadership and confidence in ITMA as the premier global platform for textile manufacturing innovation. Manufacturers represented by these nine national associations account for 43% of all applicants and over 60% of exhibition space booked to date.

Beyond Europe, manufacturers from across the world account for more than 50% of all applicants and around 40% of the exhibition space booked to date. China leads international participation, followed by India, Türkiye and Japan, reflecting strong demand from key textile technology manufacturing markets worldwide. This breadth of international participation reinforces the role

ITMA 2027 plays for global textile machinery manufacturers, to launch innovations, demonstrate technologies, and engage with customers across the manufacturing value chain.

Mr. Alex Zucchi, President of CEMATEX, said: “The diverse participation from around the world reinforces ITMA 2027's position as a neutral global platform, providing manufacturers with an equal opportunity to compete and showcase their latest innovations.”

Mr. Charles Beauduin, Chairman of ITMA Services, said: “Despite ongoing geopolitical uncertainties and a challenging global economic environment, the strong response to ITMA 2027 reflects the industry's resilience and continued confidence in investing in innovation and future growth.”

Established sectors anchor ITMA 2027

The established sectors, including Spinning, Nonwovens, Weaving, Knitting, Finishing, Printing, and Garment Making, continue to occupy the largest exhibition footprint within ITMA 2027’s sector plan. Alongside these, Research & Innovation, Services, Recycling, Fibres, Yarns & Fabrics, Software & Automation, and the Start-Up Valley which is funded by CEMATEX, underscore the industry's growing recognition that innovation, sustainability, and digitalisation are now integral to the textile manufacturing value chain - not simply supporting activities.

Start-Up Valley has gained strong momentum since its successful debut at ITMA 2023. Applications for ITMA 2027 have doubled from its previous edition, with 64 promising young companies vying for just 20 exhibition spaces, reinforcing CEMATEX's commitment to nurturing innovation by providing emerging start-ups a stage to showcase their technologies.

Mr. Zucchi added: "The Start-Up Valley is an important initiative for our industry. We need innovators who can challenge established thinking and accelerate technological progress. Fresh ideas and new talent are essential to ensuring the long-term sustainability and competitiveness of our industry."

A key highlight of ITMA, the CEMATEX-supported Research & Innovation sector shows the importance of closer collaboration between academia and industry in supporting the transition from research to manufacturing.

The Recycling sector is gaining momentum, driven by regulatory initiatives such as the EU's Sustainable and Circular Textiles Strategy and similar measures across the globe. Advances in recycling technology are also making textile-to-textile circularity commercially viable, giving recycling technology producers further reason to invest ahead of ITMA 2027.

Looking ahead

Taking place from 16 to 22 September 2027 at Messegelände Hannover, Germany, ITMA 2027 will continue to spotlight innovation across the entire textile and garment manufacturing value chain, with a focus on advanced materials, automation and the digital future, sustainability and circularity, and human-centric manufacturing.

This confirmed sector plan provides the industry with early insight into the exhibition’s structure

well ahead of visitor registration opening in March 2027, allowing exhibitors and visitors to begin planning their participation.

Companies interested in exhibiting can submit stand space enquiries at:

https://exh.itma.com/ITMA2027/ExhibitorCentre/Login.aspx.

Note to Editor:

- Download ITMA 2027 sector plan in high resolution: here.
- View the Chinese press release: here.

About CEMATEX & ITMA

The European Committee of Textile Machinery Manufacturers (CEMATEX) comprises national textile machinery associations from Belgium, France, Germany, Italy, Netherlands, Spain, Sweden, Switzerland and the United Kingdom. It is the owner of ITMA and ITMA ASIA. Considered the 'Olympics' of textile machinery exhibitions, ITMA has a 75-year history of displaying the latest technology for every single work process of textile and garment making. It is held every four years in Europe.

About ITMA Services

Headquartered in Brussels with a subsidiary in Singapore, ITMA Services is the appointed organiser of ITMA 2027 and future ITMA branded exhibitions. It is managed by professionals with extensive experience in organising ITMA and other major trade exhibitions around the world. It aims to maintain and expand ITMA's unique selling proposition and relevance to a global audience.

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ITMA ASIA + CITME 2026 Shanghai Showcases Intelligent and Sustainable Manufacturing

From 20 to 24 November 2026, the textile machinery industry will gather in Shanghai for ITMA ASIA + CITME 2026, Asia's leading business platform for textile machinery, to be held at the National Exhibition and Convention Center (Shanghai).

The exhibition will occupy seven halls, with a total gross exhibition area of about 180,000 square metres. The exhibition has expanded by 10% over the last edition which reflects the continued industry interest in the region.

Spotlight on Emerging Technologies

Responding closely to the industry's evolving needs, this edition will introduce several emerging sectors, including equipment for textile-reinforced composites, textile recycling technologies, digital platforms and automation solutions for production processes.

The exhibition will also feature a dedicated Research and Innovation sector, bringing together leading Chinese universities to showcase advanced research developments and examples of industry-academia-research collaboration. The area will feature innovations, which include embodied robots for textile applications, intelligent inspection technologies and artificial intelligence development platforms.

Complete Value Chain Coverage with Leading Industry Players

To date, more than 1,800 exhibiting companies, of which almost 90% are from China, have applied to participate. Exhibits will be organised by production process, encompassing the complete textile and garment manufacturing value chain, including braiding, dyeing and finishing, embroidery, garment making, knitting, man-made fibres, nonwovens, printing, recycling, spinning, testing and packaging, weaving, etc.

Leading domestic and international companies that have confirmed their participation include Atexco, B.T.D., Barmag, Beijing Chonglee, BEST, CHTC, Cixing, Dornier, Epson, Fong's, Hicorp, Hongyuan, Itema, Karl Mayer, Konica Minolta, LMW, Murata, Picanol, Rieter, Rifa, Santoni, Saurer, Shima Seiki, Staubli, Taitan, Texpro, TMT, Truetzschler, Vandewiele, Yingyang and Yoantion.

These companies will present their latest innovations in digitalisation, intelligent manufacturing and automation designed to enhance sustainability, improve energy and resource efficiency, and enable smarter production.

Visitor Promotion Gains Momentum

The 2024 edition attracted visitorship of more than 90,000 from 111 countries and regions, with almost 90% of visitors coming from China. Participation from South American markets, led by Argentina, Brazil and Colombia, recorded particularly strong growth. Increase in visitorship was also seen from Algeria, Japan, Italy, Sri Lanka, Türkiye and the United Kingdom.

From April to July 2026, the organiser conducted a series of overseas promotional and outreach activities in India (Coimbatore, Ludhiana and Surat), Indonesia (Jakarta), Japan (Tokyo), Malaysia (Kuala Lumpur), and Türkiye (Bursa and Istanbul).

Further activities will be held in Bangladesh, Brazil, Egypt, Pakistan, South Africa and other countries and regions, extending the exhibition's outreach and encourage international visitor participation.

Trade Visitor Pre-registration Opens with Exclusive Group Benefits

The trade visitor pre-registration opened on 25 May and will remain available until 19 November 2026.

Trade visitors may pre-register through the official exhibition websites at www.itmaasia.com and www.citme.com.cn. Registration is also available through the WeChat accounts of "International Textile Machinery Exhibition", the China Textile Machinery Association and the China Council for the Promotion of International Trade, Textile Industry Sub-Council.

Trade visitors can enjoy a 40% discount on early-bird admission tickets.

Domestic and international trade associations, industry organisations and corporate visitor groups comprising six or more participants may also apply for preferential group admission packages, enabling a more seamless and efficient exhibition experience.

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3rd GENTEXH VIETNAM 2027

19-21 MAY 2027

Saigon Exhibition and Convention Center (SECC)
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Absorbent hygiene machinery, web forming & bonding lines, coating and lamination, wipes converting, testing and online monitoring.

Resources & merchandise

Fibres and filaments, super absorbents, fluff pulp, films and membranes, adhesives, binders, tapes, elastics, tissue and papers.

"The visitor quality has been excellent — many attendees showed strong interest in our products, and we received valuable attention from buyers and industry partners. We will definitely join GENTEXH Vietnam again."

Mr. Amit Gupta

Director, Rajshree Fabric Co., Ltd.

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For further information, please contact:
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TEXTILE EVENTS

Gartex Texprocess India incorporating Denim Show ends with robust business engagement and technology showcase

As India's garment and textile machinery manufacturing industry continues to invest in advanced technologies, automation and sustainable production, Gartex Texprocess India 2026, incorporating Denim Show, presented the latest innovations from the industry. A strong turnout of 15,079 visitors led to the engagement in genuine buyer-seller interactions, driving business enquiries. The exhibition served as a key marketplace for businesses to discover innovations, develop partnerships and accelerate technology adoption across the garment, textile and denim manufacturing ecosystem.

Throughout the three-day exhibition, the show floor witnessed continuous business interactions as exhibitors engaged with manufacturers, sourcing professionals, retailers, exporters, buying houses and factory owners to discuss new projects, production requirements and technology upgrades. Several exhibitors presented technologies, systems, software and machines integrating advanced Artificial Intelligence features. Exhibitors showcased machinery that reduces production times, reduces wastage, saves energy and water, and reduces dependency on manual labour. Live product demonstrations, solution-based consultations and buyer meetings enabled businesses to evaluate new machinery, compare manufacturing technologies and explore partnerships aligned with evolving market demands.

With over 190 exhibitors, including 40+ first-time participants, and a strong presence from India and international brands from China, Japan, Singapore, Italy, Germany, Taiwan, Turkey and Hong Kong, participating either directly or through their distributors, the exhibition reflected the breadth of innovation across today's textile and denim manufacturing ecosystem. Exhibitors conveyed a positive outlook for the Indian textile industry while also emphasising skilling as a key potential area to scale.

The show floor featured technologies ranging from garment and apparel machinery, textile processing and automation solutions to digital printing, knitting, denim fabrics, finishing technologies, dyes and chemicals and much more. The comprehensive product showcase allowed manufacturers and buyers to assess new technologies, understand evolving production capabilities and identify solutions aligned with changing market and customer demands. Exhibitors shared their experience at the show, saying they found the right buyers for their products and solutions. Mr Mukund Agarwal, Director, Baba Textile Machinery India Pvt Ltd: "Thank you, Gartex. It was an amazing three days of experience. We had a lot of footfalls despite the rains; many leads got converted, and we received new clientele. We showcased some new technologies as well in the embroidery and printing segment, and overall it was a very good response, and we will be participating again next year."

Mr Abhinav Arya, Managing Director, Fabcare (India) Pvt Ltd shared: "Right from day one, we have been associated with Gartex Texprocess India, and we participate here, which is especially designed for textiles and garmenting. We are now also seeing a customer base coming from the laundry and dry-cleaning value chains. Serious buyers are coming, and we are expecting a good turnaround on the last day of the show. This is the only exhibition where we conduct live demonstrations for all the new equipment, launch new products, and conduct presentations for our customers. So, we are quite happy with this trade fair."

Based out of Surat and participating for the first time in the show, Mr Janak Sutaria, Managing Director, Silver Samurai Textile Machineries, stated: "We received a huge response from the exhibition, had new clients and engaged in new interactions where we discussed about how they can grow their business with the machines. We have launched three machines over here, which produce high-end elastic, and these are very new to the Indian industry."

Exhibitors in Denim Show also expressed similar sentiments. Mr Minesh Juneja, Head-Sales & Marketing (Domestic), Raymond UCO Denim shared: "Gartex Texprocess India Delhi till date has been a show that people wait for. The footfall has been good. All relevant brands and all relevant customers are coming here, and they get an opportunity to see the new collections and launches from the mills. We have also displayed our fashion range and our new product launch, for which the responses have been good, and people have liked our range. They have been coming, and I hope that next year also people will come and enjoy the show. Every time we have been receiving positive feedback from the customers, which has encouraged us to participate in the show regularly."

Mr Sudeep Mittal, Director, PSK Denim Private Limited, "We have participated in Gartex Texprocess India in Mumbai and here in Delhi it is our second edition. We are feeling very good due to the exposure we have received. In terms of buyers, people are coming in and understanding what we offer, so I believe this is a really good platform and the reason why we are exhibiting is so that we can filter our market and we can gain the right buyers."

Business conversations on the show floor extended into Gartex Texprocess Talks and Denim Talks, where industry experts, technology innovators and thought leaders explored the ideas, technologies and market shifts shaping the future of textile and denim manufacturing. The sessions led to meaningful dialogues on AI, sustainability, digital transformation, evolving consumer expectations and global competitiveness, offering practical insights for businesses navigating an increasingly dynamic manufacturing landscape.

The show reaffirmed its place in the industry's business calendar, bringing together serious buyers, manufacturers, technology providers and suppliers for three days of focused meetings, discussions and strategic business planning that will continue well beyond the exhibition. The business impact was evident in the response from exhibitors, who pointed to the quality of visitors, meaningful buyer meetings and commercially relevant discussions that took place across the three days.

Through its association with the Texpertise Network, Gartex Texprocess India incorporating the Denim Show contributes to a global network of textile trade fairs that connects industry professionals, emerging technologies and business opportunities across international markets.

The next edition of Gartex Texprocess India incorporating the Denim Show will be held from 6th to 8th May 2027, Mumbai.

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HanoiTex 2026

Vietnam Hanoi Textile & Garment Industry Expo 2026

October 21-23, 2026, ICE, Hanoi, Vietnam

Organizers of Vietnam Hanoi Textile & Garment Industry Expo 2026 are pleased to invite you to participate in HanoiTex 2026, Vietnam's premier exhibition dedicated to textile and garment machinery, equipment, parts and accessories.

Seize Your Share of Vietnam's $50 Billion Textile Market

With export turnover reached over US$270 billion in first 7 months of 2026, Vietnam's textile and garment industry has set its sights on an ambitious US$50 billion target for 2027. This momentum, driven by strategic free trade agreements (FTAs) like CPTPP, EVFTA, and RCEP, along with a global shift toward supply chain diversification, has transformed Vietnam into a prime hub for textile manufacturing and sourcing.

Key Incentives of Hanoi:

- **Cost Advantages:** Land rents are 20% lower, and labor costs are 15% lower compared to southern provinces.
- **Strategic Location:** Proximity to China with robust railway and road connections enhances logistics for accessories.
- **Tax Benefits:** Enjoy up to a 70% land-tax waiver for five years and a corporate tax holiday for high-tech textile projects.
- **Infrastructure Development:** Significant government investment in Northern Vietnam strengthens its appeal for production facilities.

Don't miss out the chance to exhibit at HanoiTex 2026

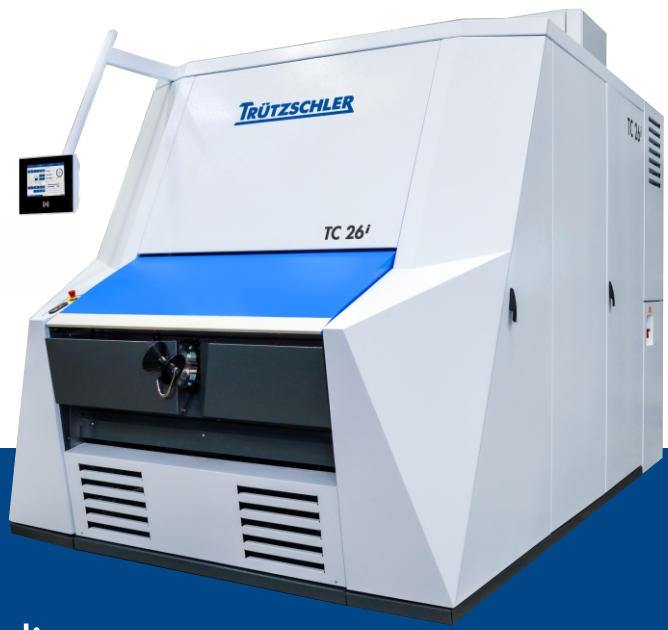
95% of the Exhibition space (the original exhibition hall plus 2 additional extended halls, total 3 halls) has been booked. Please register ASAP to secure your participation and to avoid being wait-listed! For details and registration, please visit www.vhanoitex.com or contact Mr Jason Chow in Hong Kong (Tel: +852 25117427, Fax: +852 25119692, Email: jason@cpexh.com, cpexh@yahoo.com, Wechat: cpexhibition) or our representative in your region.

Other events in Vietnam:

SaigonTex 2027 - Vietnam Saigon Textile & Garment Industry Expo
April 7-10, 2027, SECC, Hochiminh City, Vietnam

For further information, please contact:
jason@cpexh.com ■

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20 to 24 November 2026

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TO VISIT, PLEASE CONTACT

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Trützschler Group SE

CL-X proves its superior cleaning efficiency with its large number of installations

Pre-Cleaner CL-X: Proven in cotton cleaning – creating value beyond the spinning mill

Since its market launch, the CL-X has firmly established itself in blowroom lines worldwide. Hundreds of installations confirm its ability to deliver superior cleaning efficiency, lower waste, higher productivity and significant energy savings. Now, new customer applications show that the CL-X not only continues to excel in spinning preparation – it is also entering a completely new field of application: ginning.

Opening up new potential in ginning

Cotton gins perform the very first industrial processing step of cotton. Seed cotton arrives directly from the field and must be dried, cleaned and separated into three components: cotton fibers, cotton seeds and waste. While the fibers are pressed into bales for spinning mills, the waste fraction is sold separately – often still containing a considerable share of usable fibers.

In conventional ginning processes, this waste can contain up to around 0,8% good cotton fibers. These fibers still have value, but they are transported and sold in mixtures with trash, resulting in lower prices and unnecessary logistics costs. This is where the CL-X comes into play.



The CL-X creates value beyond the spinning mill.

Installed directly downstream of the ginning machine, the CL-X enables significantly more effective fiber recovery. Thanks to its precise cleaning action, usable fibers are separated more efficiently from trash before shipment. The result: higher fiber yield, less waste volume – and greater economic value from the same amount of raw cotton.

Success story from Brazil

A Brazilian customer has now successfully implemented this concept. In a ginning operation processing around 500,000 tons of cotton per year, approximately 65% – or 65,000 tons – is typically separated as cotton seeds and waste during the cleaning process. Within this portion, approximately 4,000 metric tons (or 0.8%) of the waste consists, among other things, of high-quality fibers that should be separated, as they would otherwise be lost at this stage of the process.

By integrating the CL-X into the ginning process, the customer was able to further separate the ginning waste, splitting it into real waste and usable fibers that can be recovered at this early stage. This resulted in a significantly higher share of high-quality, marketable fibers, which in turn reduced the amount of waste that needed to be transported. In addition to lower logistics costs, the customer benefits from substantially better prices for the recovered fibers.

Convinced by the results, the Brazilian ginnery has already placed follow-up orders for four additional CL-X machines for its ginning operations – a strong endorsement of the concept's economic and technological potential. This application clearly demonstrates how CL-X performance can create added value well beyond the spinning mill.

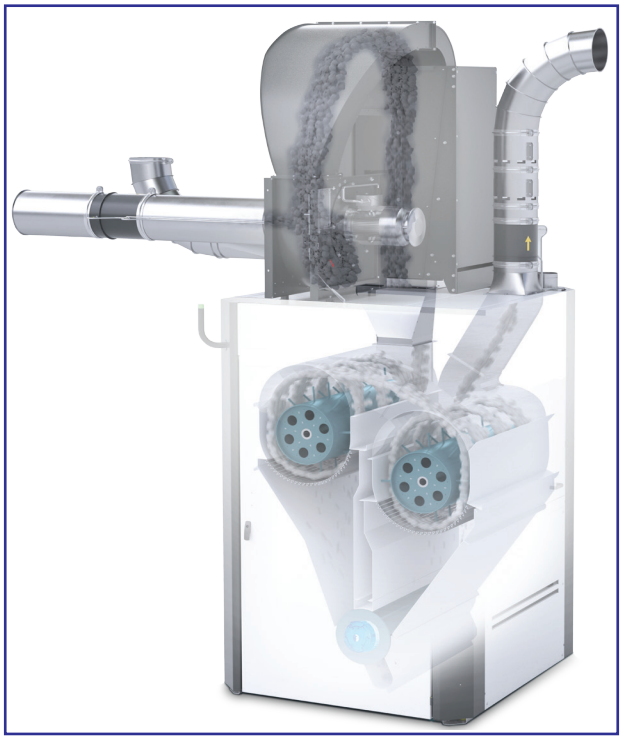


The CL-X enables significantly more effective fiber recovery.

Confirmed excellence in spinning preparation

While the ginning application highlights the CL-X's versatility, new results from spinning mills further confirm its leadership in established use cases.

In Vietnam, a customer compared the CL-X with the previous pre-cleaning solution under identical production conditions. The CL-X reduced waste by approximately 0.5% to 0.8% in total while simultaneously improving yarn quality. These improvements led to enhanced efficiency on the customer's rotor spinning operations, reduced material loss and a more consistent yarn output. At the same time, power consumption dropped by around 40%, resulting in substantial energy savings, lower operating costs and a clear sustainability benefit. The customer reports high satisfaction, particularly with the machine's operational stability and output quality.



Pre-Cleaner CL-X: Delivering outstanding cleaning efficiency across diverse applications.

Equally impressive results were achieved at a Turkish spinning mill processing 100% cotton at 1,100 kg/h. Replacing a competitor machine with the CL-X led to 80% less waste, around 30% lower energy consumption and noticeably higher yarn quality downstream. In addition, the blowroom operation became more stable and efficient. Where two machines had previously been required, one CL-X now handles the cleaning task alone, setting a new benchmark for both productivity and simplicity. Encouraged by these results, the customer has already decided to upgrade its blowroom line with further CL-X machines.

Smart technology, strong cleaning performance

The technological foundation for these results in spinning preparation and ginning is the CL-X's advanced cleaning concept. At its core is the proven WASTECONTROL system, which continuously monitors trash content and raw material quality by using real-time data. When too many good fibers are detected in the waste, the system automatically suggests an optimized setting to minimize fiber loss – ensuring consistently high cleaning performance and maximum fiber yield across varying conditions.

One machine, multiple opportunities

From spinning preparation to ginning, the CL-X once again proves why it has become a benchmark in cotton cleaning. Its ability to deliver measurable economic, quality and sustainability benefits – even in entirely new applications – demonstrates the strength of its underlying concept and how smart pre-cleaning technology continues to unlock new potential along the entire cotton value chain.

About the Trützschler Group

The Trützschler Group SE is a German textile machinery manufacturer headquartered in Mönchengladbach, Germany. The company is divided into three business units: Spinning, Nonwovens and Card Clothing. Trützschler Spinning is the global technology and market leader in spinning preparation in the cotton and man-made fiber sector. Trützschler Card Clothing is the global market leader in the production of high-performance card clothing for cards and roller cards. Trützschler Nonwovens is a leading supplier of complete production lines and machinery for needle-punched, hydroentangled (spunlaced), through-air and chemical bonded nonwovens. Trützschler machines, installations and accessories are developed and produced in nine locations worldwide. This includes four locations in Germany (Dülmen, Egelsbach, Mönchengladbach, Neubulach), as well as sites in China (Jiaxing and Shanghai), India (Sanand), the USA (Charlotte) and Brazil (Curitiba). Local service companies in Türkiye, Mexico, Uzbekistan and Vietnam and local service teams in Pakistan, Bangladesh and Indonesia provide customer proximity in key regions for the textile processing industry.

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Techno Qualicon Solutions (P) Ltd.

'TECCHNO Automatic Trash Separator' an innovative product of Techno Qualicon Solutions (P) Ltd.

TECCHNO Automatic Trash Separator specs focus on precision for textile fiber analysis. Sample capacity reaches up to 100 grams with flexible sizing. Key technical aspects include gravimetric and buoyancy separation, automatic weighing, and integrated dust/micro-dust filtration.

The TECCHNO GROUP OF COMPANIES Automatic Trash Separator (Auto Trash) is a specialized device for textile quality control. It accurately analyzes trash content—including trash, dust, and micro-dust—in raw, in-process, waste, and recycled fiber materials.

Key Features

- Precise measurement with flexible sample sizes up to 100 grams.
- Advanced separation using gravimetric and buoyancy techniques.
- In-built filter cartridge for dust and micro-dust collection.
- Automatic trash weighing for high accuracy.
- Comfortable lint collection system.
- Measures trash and invisible loss in both mass and percentage terms.

Software Reports

Windows-based software generates detailed outputs.

Test reports detail sample size, lint, trash, dust, micro-dust, and losses (mass/percentage).

Sample Capacity

Supports samples from small amounts up to 100 grams maximum. This allows testing raw, in-process, waste, or recycled fibers without fixed size limits. Lint collection is designed for user comfort during handling.

Core Specifications

- Separation Method: Advanced gravimetric and buoyancy techniques for accurate trash isolation.
- Weighing: Fully automatic for trash content, reporting mass and percentage (including invisible loss).
- Dust Handling: Built-in filter cartridge captures dust and micro-dust separately.
- Software: Windows-based with test reports (sample size, lint/trash/dust percentages) and lot/variety/date summaries.





These specs enable reliable quality control in textile processing. No additional power, dimension, or calibration details were specified in product descriptions.

The Mobi Wrap Electronic Wrap Block – Mini with Tab Application from Tecchno Group of Companies is a specialized textile testing device



designed for preparing and measuring samples of sliver and roving material. It calculates key metrics like hank, A% (moisture regain), stretch percentage, and comber Noil percentage via an integrated Android app on a provided tablet.

Key Features

- Features a precise ½ yard circumference chrome-plated M.S. drum (18" width) for accurate hank measurement in sliver and roving, with an electronic counter and stepper motor drive.
- Includes an inverter-controlled speed selector (10-100 RPM across 9 levels) and length options from 1 to 200 yards/meters, operated via keypad.
- Comes with a precision electronic weighing balance (300g capacity, 5mg accuracy) that connects via Bluetooth to the Android tablet for data logging and calculations.

Technical Standards

- LCD display for real-time monitoring; Bluetooth interface enables seamless app integration for tests and report sharing via WhatsApp or email.
- UPS with battery ensures power backup; full supply scope includes the machine, tablet, trolley, balance, UPS, and a bowl.
- Optional ½ meter drum available; other models offer motorized wrap blocks with similar app functionality.

Applications

This Electronic Wrap Block Mini is widely accepted in the textile industry for its reliability in quality control, particularly for preparing standardized length samples to assess material fineness and consistency. It supports standards like those for sliver hank determination, where count expresses mass per unit length.

The TECCHNO GROUP OF COMPANIES' MOBI WRAP – AUTO SLIVER WRAP BLOCK – MINI WITH TAB APPLICATION is a specialized textile lab device for preparing and analyzing sliver and roving samples.

Key Purpose

It measures hank, A% (moisture regain), stretch%, and comber noil% via an Android app on a provided tablet. Samples are wound precisely for weighing and testing.

Main Features

- Reliable ½ yard (1.14m) circumference chrome-plated M.S. drum (3" wide) for accurate hank measurement.
- Stepper motor with inverter speed control (10-100 RPM, 9 levels) and length selection (1-200 yards/meters).
- Electronic counter, LCD display, and precision balance (300g capacity, 5mg accuracy) with Bluetooth to tablet.
- UPS battery backup; includes trolley, bowl; optional 1m drum.

Technical Standards

Drum ensures standard ½ yard wraps per industry norms for sliver/roving count (hanks per pound). App calculates metrics like hank = (length in 840 yards / weight in lbs) and shares reports via WhatsApp/ email. Keypad toggles sliver/roving modes.

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Barmag

Barmag and Hitech Automation agreed to an exclusive partnership for an auto-doff system for texturing machines

Barmag (Suzhou) Technology Co., Ltd. and Hitech Automation Solutions PVT LTD. of Surat, India, have agreed to an exclusive partnership to jointly market Hitech's Doffmatic automation solution for Barmag's proven manual eFK texturing machines. In many texturing facilities, manual doffing processes remain heavily operator dependent – resulting in issues such as increased scrap, inconsistent quality, and limited productivity.

The goal of the joint solution for texturing customers is to create technological and economic value – with a solution positioned between manual and fully automated concepts, offering an attractive alternative for numerous operational and investment scenarios with a clear focus on rapid ROI and improved yarn quality.

For new machines and upgrades: Automation as a (retrofittable) solution

The agreement covers both the sale of new eFK texturing machines in combination with Doffmatic, under the name eFK Doffmatic, as well as upgrades to existing Barmag machines (retrofits), which will continue to be marketed under the familiar names eFK and Doffmatic. In this way, the two partners offer customers solutions for two key aspects: investment decisions for new equipment as well as the rapid, step-by-step modernization of older machines.



The eFK Doffmatic – the perfect combination of cost-effectiveness, productivity, and reduced reliance on operators.

Technically, Doffmatic is designed as an add-on system that integrates into eFK texturing machines without requiring additional space. This enables the auto-doffing function while maintaining the wellknown consistently high yarn quality. Customers benefit from a fast and low-risk modernization path with short payback periods – both for new installations and for retrofit projects. This makes it attractive for yarn producers who do not (yet) use automatic texturing machines but still want to achieve significantly greater efficiency, process stability, and product quality.

Efficiency and reproducible quality

Doffmatic aims to automate the doffing process while ensuring that bobbins have exactly the same length – a key prerequisite for consistent quality and seamless downstream processing. "Through this exclusive partnership, we combine local market insight, engineering expertise, and localized service – offering texturers an automation solution that addresses both efficiency and yarn quality," summarizes Oliver Lemke, Sales Director at Barmag. And Brij Patel, Managing Director of Hitech, adds: "Doffmatic was developed to offer seamless automatic doffing functionality for new and retrofit projects. Together with Barmag, we are now expanding our machine portfolio – with a clear focus on our customers' operational requirements."

Barmag introduces a powerful addition to its product portfolio launching the new type 6020 ceramic oiler

New 6020 ceramic oiler: optimized yarn quality for low-titer applications

With the new type 6020 ceramic oiler, Barmag is introducing a powerful addition to its product portfolio for processing PA6 and PA6.6 yarns. The solution is specifically designed for low-titer applications in the range of 5 to 100 denier.

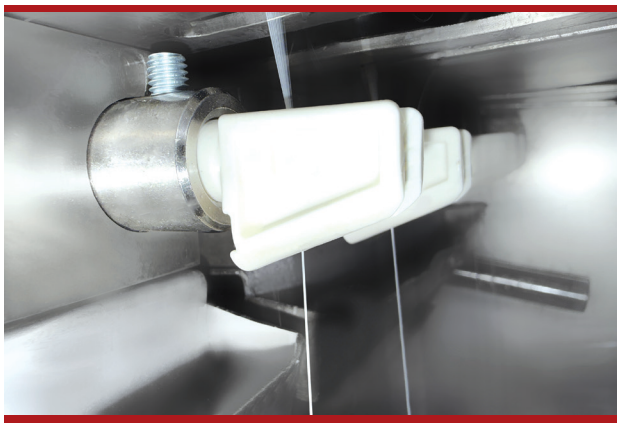
Technological advancement for stable processes

A key feature of the new model is the particularly filament-friendly yarn inlet area, where the yarn is saturated with oil before it comes into contact with the ceramic — a prerequisite for fluff-free processing. The three-waves geometry also ensures minimal yarn contact. The integrated ceramic shaft completes the design — unlike other solutions, where metal shafts are glued in place — and eliminates typical sources of error such as clogged oil lines or ceramic parts falling out. In combination with optimized thread guidance, the geometry of the 6020 ceramic oiler ensures uniform and efficient spinfinish application with minimal spray-off and very high application uniformity (low OCV).

Significant quality and efficiency advantages

The new ceramic oiler was specifically developed for demanding production environments and offers significant practical advantages. It ensures consistently high yarn quality through stable process parameters such as high spinfinish application rate (OPU) and a good distribution uniformity (OCV), while also enabling filament-friendly processing without yarn breaks or loop formations. Thanks to the significantly reduced spray-off — especially in the sensitive low-titer range — material losses are minimized, oil contamination of the quench and winding areas are reduced to a minimum, and process reliability is increased. Furthermore, the solution stands out for its ease of use: A clearly visible and easily

accessible thread guide facilitates threading, while precise adjustment options allow for quick and reliable setup during operation.



Designed specifically for PA6 and PA6.6 applications: The new Barmag Type 6020 ceramic oiler.

Successfully tested in practice

Initial applications at international customers demonstrate the performance of the new oiler. In tests with PA6 / PA6.6 POY yarns, completely spray-off-free processing and significantly more uniform yarn tension were achieved. Furthermore, an increase in the spinfinish application rate of approximately 23% was achieved compared to standard solutions. Its performance was also confirmed in applications with PET POY fulldull and very critical flatyarn: In a direct comparison of various suppliers, the 6020 nozzle was the only solution to deliver a stable performance without any loops or BF. With the 6020 spinfinish nozzle, Barmag offers a forward-looking solution for low-titer applications in filament production. The integrated ceramic shaft, combined with optimized yarn guidance and excellent process parameters, enables a sustainable improvement in yarn quality, process reliability, and production efficiency.

About Barmag

Under the long-established name Barmag, the Swiss Rieter Group has been operating its man-made fiber business as a subsidiary since 2026. This includes the well-established product brands Barmag and Neumag. As a forward-looking company, research and development are focused on energy efficiency and sustainable technologies (e-save).

Barmag is one of the leading suppliers of filament spinning systems for man-made fibers, texturing machines, BCF systems, staple fiber systems, and solutions for the production of nonwovens. Together with its range of polycondensation and extrusion systems and their key components, Barmag thus covers the entire manufacturing process—from monomer to textured yarn—and supports it with customer-oriented engineering services. The product portfolio is rounded out by automation and digitalization solutions. In addition, Barmag offers high-precision gear metering pumps for the textile industry and other sectors, including the automotive, chemical, and paint industries.

The main markets for the Barmag product portfolio are in Asia, particularly in China, India, and Turkey, as well as the United States. Barmag employs approximately 2,500 people worldwide and is represented in 120 countries with production, sales, and service organizations. At the research and development centers in Remscheid, Neumünster (Germany), and Suzhou (China), highly qualified engineers, technologists, and technicians develop innovative and technologically leading products for the world of tomorrow.

For more information, visit: www.barmag.com

About Hitech

Hitech was founded in 1988 by K. C. Patel with the mission of providing textile manufacturers with outstanding technologies for the production of “perfect yarn.” Headquartered in Surat, India, the company develops and manufactures online quality control systems as well as integrated digitization solutions for the textile industry. At its own technology center and production facility, the company develops innovative systems — ranging from high-precision sensors to software solutions for monitoring and analyzing yarn quality and production processes.

For more information, visit: www.hitech-as.com

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SCIENCE IN INDUSTRY

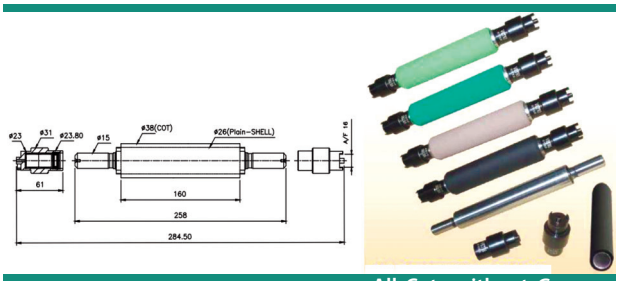
Vetri Engineers

Vetri manufacturing 'Vetri Top Rollers' using Accotex cots from Germany

The current crisis in the Textile industry on account of USA's Tariff tension with global countries including India has made Indian Textile industry's urgent need to prove its strong existence and survival for which it is high time all our Indian Textile mills must produce highly competitive with supreme quality yarn and textile products both for the domestic and export market.

Yes, in the spinning mill, the main product output is the high quality but competitively priced yarn which should meet the respectful requirements for any textile end products for both domestic and export market.

For the spinning mill, Vetri Engineers, based in Coimbatore, India, manufacturer of Vetri Top Rollers for Textile Preparatory Machinery (Draw Frame, Comber and Lap Former) is providing "Vetri Top Rollers" using Accotex Cots from Germany for the past 32 years.



All Cots without Groove

Vetri Top rollers specialize with Accotex Cotsand used in all major machine manufacturers like Rieter, Lakshmi (LMW), Trutzschler, Zinser, Vouk, Marzoli, Toyoda, Hara cherry, Howa and many others textile preparatory machines.

Vetri Engineers with its expertise in Top Rollers using Accotex rubber Cots always assuring quality sliver output suitable for spinning preparation production for the last 32 years.

Wuxi Universal First Precision Technology Co Ltd, Wuxi P.R.China

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Astrosun

CHIVEN SPINNING

TECHNICAL &TECHNOLOGICAL PARTS SUPPLIER

World's Largest Manufacturer of Compact Mesh Aprons

Regular Mesh Aprons

Features of UFP lattice apron:

01 UFP makes many sizes of lattice aprons for OEMs and customized size aprons,
02 On time delivery, high quality consistency.
03 Longer life and high strength.
04 Electric conductive, easy for cleaning, longer re - cleaning interval time.
05 Better control for yarn and fibers, less wearing to the vacuum tube.
06 Even meshes, special shape of mesh, high air combing function, less flying fibers.
07 Good yarn quality - high evenness, high strength, less nips and lower cost for per ton yarn.



网格圈密度与纱支对照表
Relations between apron density and spinning yarn count

网格圈密度 Apron Density	目数（纬密/英寸） Latitude Per Inch	网孔数（孔/CM²） Mesh/CM²	可纺纱支范围（支） Possible spinning range of yarn count	最佳适纺纱支（支） Best spinning range of yarn count
A	150	3500	> 30°	70°~100°
B	140	3000	20 °~100°	50°~80°
C	120	2200	10 °~80°	20 °~60°
CD	100	1600	20 °~100°	30 °~80°
D	80	1000	Wool 毛纺	Wool 毛纺

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CHIVEN SPINNING | B 26 Hudco Housing Unit, Near PSG Hospital, Peelamedu, Coimbatore - 641004, Tamilnadu , INDIA.
+91 94861 61827 ☎ 0422- 2571988 chivenspinning@rediffmail.com

High quality, economical production costs, consistency and dependability are the key factors of successes in today's competitive textile industry. This in line continues providingour Vetri Top rollers and its allied components along with Accotex Cots.

Vetri Top Rollers with global textile industry recommended Accotex rubber cots are synthetic compositions vulcanized to an Aluminium core. When pressed onto a roller, these cots run virtually tensionless for long-lasting service, ensuring a secured fit on the arbour, achievable near-zero stress on the outer surface, which eliminates the fibre splitting.

So far Vetri have developed 222 types of top rollers for the textile preparatory machines of past and present models of global machines makes, the only company in the world developed such varieties.

We maintain large stocks of Accotex Cots for Rieter, LMW, Trutzschler, Howa, Texmaco, Vouk, Haracherry, Zinser, Toyoda, Marzoli & some Chinese / Taiwanese make machines.

We are glad to share that one of our USA customers experienced the best performance of Sliver Quality from our Vetri Top Rollers from our Vetri Top Rollers with Accotex cots, gaining repeat orders for draw frame top rollers. Similar way, many Indian large group of mills and global mills consider Vetri Top Rollers as the non-original replacement import substitution to OEMs.

Vetri Top Rollers fitted with Accotex cots are "Available at short notice" with 24 hrs to 72 hrs from its vast stock. We have Top Roller components to the quantity of 15, 000 to 20,000 nos which Vetri only has such huge inventory stock in India and with 32 years' experience, we have ensured the best Sliver Quality in the preparatory machines.

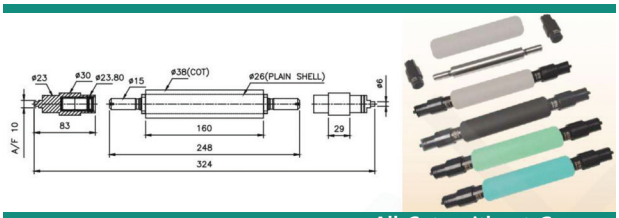
No wonder, Vetri Top Rollers is the best choice for Quality yarn performance and Profitability

As a special consideration in the present textile crisis and to compensate the Tariff tensions, we, Vetri Engineers, continue to extends support with flat 20% special discount for our Vetri Top Rollers.

Vetri Top Rollers is a land mark for quality and performance in yarn making business. You can reach Vetri at "Banu 9944451900 / 9894450900".

The strength behind Vetri Top Rollers

"For spinning mills, we have been offering 'Vetri Top Rollers' for the past 32 years," he noted. "Our Vetri Top rollers with end bushes, a world class quality product, manufactured by us are highly reliable and cost effective and they are used as maintenance replacements and to suit the original machine specifications to achieve better parallelization (evenness) and correct drafting (less imperfection) of the yarn/ fibre movement at higher efficiency in the textile preparatory system of lap formers, comber and draw frame machines for many makes such as Rieter, Ingolsdat, Lakshmi Rieter / LMW , Truetzschler, Zinser, Vouk, Toyoda, Cherry Hara, Howa, Padmatex, Texmaco-Howa, Platts-Sacco Lowell, even for Chinese make machines etc. High precision accuracy is given top priority in our production process. We find pride in meeting the most stringent tolerance. We continuously innovate and improve the products toward customers satisfaction.



All Cots without Groove

There top rollers are fitted with No.1 best Rubber cots from Accotex Germany which ensure the Right sliver yarn quality.

A legacy of innovation

Highlighting the company's pioneering approach, Jayaprakash said, "Before we entered the market, top rollers were mostly imported from Germany, Switzerland, Japan, and other countries. We invested heavily in R&D and reverse engineering to match, and in some cases exceed, global standards." That's why we could spread to more than 36 countries including in USA, where almost 1000 nos of Vetri Top Rollers are working.

Vetri Engineers' commitment to innovation is reflected in its state-of-the-art infrastructure, including automated high-precision CNC machines, a focus on digital technologies, and rigorous quality control systems.

He added, "We've always prioritized offering premium quality at competitive pricing, combined with faster delivery. This continues to be our strength."

Trusted globally

Vetri's focus on quality has not gone unnoticed. The company now serves customers across the USA, South America, Asia and Europe, many

of whom have become repeat clients. "We're proud that customers overseas have experienced exceptional sliver quality with our rollers. Many Indian and global mills consider Vetri Top Rollers as reliable, non-original replacements for OEM parts," he said.

Looking ahead

As for what's next, Jayaprakash shared that the company is also making strides beyond the textile sector. "Our success in textile machinery spares has opened up opportunities in contract manufacturing of Mechanical engineering components for various industries to USA, Canada, UK, Australia and middle east . We're working hard to build on both market segments. With global conditions improving, we're optimistic about continuing on our growth path on India made engineering products reach."

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Website : www.vetriengineers.com ❐

Mimaki Europe BV

Mimaki's DTF technologies brings in AI-generated designs in T-shirts on demand

When AI Becomes Wearable with Google and Mimaki DTF Technology

- At Google Cloud AI Live Milano 2026, Mimaki's direct-to-film (DTF) technology helped transform AI-generated designs into personalised T-shirts printed on demand

Artificial intelligence is changing the way ideas are created and digital print is changing how quickly those ideas can become real. At Google Cloud AI Live Milano 2026, held on 21st May at CityOval Milano, the two came together in a live personalisation experience powered by AI and enabled by Mimaki's DTF technology.

As part of the event, participants were invited to create unique Gemini AI-generated visuals and see them transformed into custom T-shirts produced on demand, using a Mimaki TxF300-75 DTF printer. These printed t-shirts are a clear demonstration of how AI-driven creativity and professional digital print can work together to deliver immediate, personalised and high-quality experiences.



At Google Cloud AI Live Milano 2026, attendees created unique AI-generated visuals which were then transformed into customised T-shirts produced on demand.

From AI-generated design to finished garment

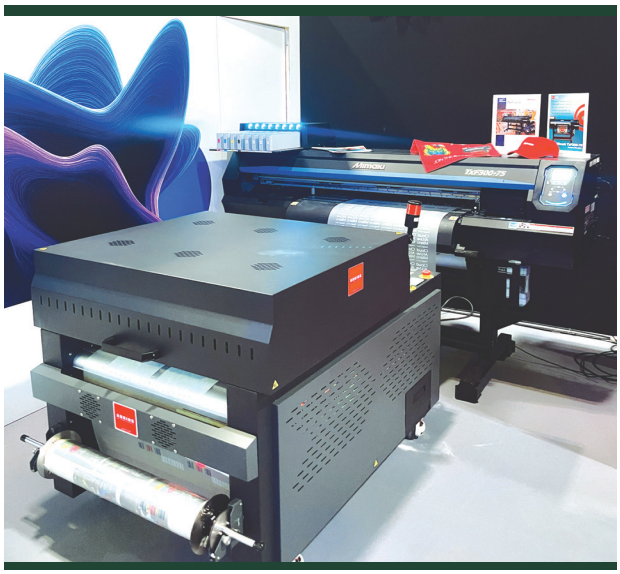
The activation showed how artificial intelligence and on-demand textile decoration can work together. Each design started as a digital concept generated through AI, then Mimaki's DTF technology enabled that concept to be transferred onto a T-shirt, creating a personalised garment in real time.

For visitors, it was an engaging and tangible way to experience AI. For brands, events and creative businesses, it highlighted a much broader opportunity: turning digital interaction into physical products, quickly and at scale.

Why DTF technology makes the difference

Live personalisation needs more than just creativity. It also requires digital printing technology that is flexible, reliable and consistent. At the event, the personalised t-shirts were produced by the Mimaki TxF300-75, part of the TxF Series developed for professional direct-to-film production. The TxF Series enables high-quality decoration on a wide range of materials, including cotton, polyester, blended fabrics and performance fabric, using a heat press making it a strong solution for t-shirt printing as well as event merchandising, promotional products, fashion, sportswear and branded items.

In an environment where every design can be different, production consistency becomes essential. Mimaki's DTF workflow includes the TxF Series printer technology suited for individual needs, from compact (TxF150-75) to high productivity models (TxF300-75Plus). Combined with genuine PHT50 pigment inks, RasterLink RIP software and application know-how, users can produce repeatable quality, vivid colours and professional results.



Mimaki's DTF technology enabled the AI-generated concepts to be transferred onto customised T-shirt, creating a personalised garment in real time.

A new space for print in AI-driven experiences

The Google Cloud AI Live Milano activation also points to a wider shift in the role of print. As AI makes it possible to generate unique content instantly, digital print becomes the link between the virtual design process and real-world application. It gives form to ideas that would otherwise remain on screen. For Mimaki, this is where the value of DTF technology becomes especially clear: enabling businesses to respond to new expectations around personalisation, speed and experience without compromising on print results.

From live events to retail activations and from limited-edition merchandise to custom t-shirts, the combination of AI and digital print opens new possibilities for brands looking to create more engaging and memorable customer interactions. At Google Cloud AI Live Milano 2026, Mimaki helped demonstrate what the future of print personalisation looks like.



The experience at Google Cloud AI Live Milano demonstrated how the combination of AI and digital print opens new possibilities for brands looking to create more engaging and memorable customer interactions.

About Mimaki

Mimaki is a leading manufacturer of wide-format inkjet printers and cutting machines for the sign/graphics, industrial, textile/apparel and 3D markets. Mimaki develops the complete product range for each group; hardware, software and the associated consumable items, such as inks and cutting blades. Mimaki excels in offering innovative, high quality and high reliability products, based upon its aqueous, latex, solvent and UV-curable inkjet technology. In order to meet a wide range of applications in the market, Mimaki pursues the development of advanced on-demand digital printing solutions. Mimaki Engineering Co. Ltd., (President: Kazuaki Ikeda) Nagano (Japan), is publicly listed on the Tokyo Stock Exchange, Inc.

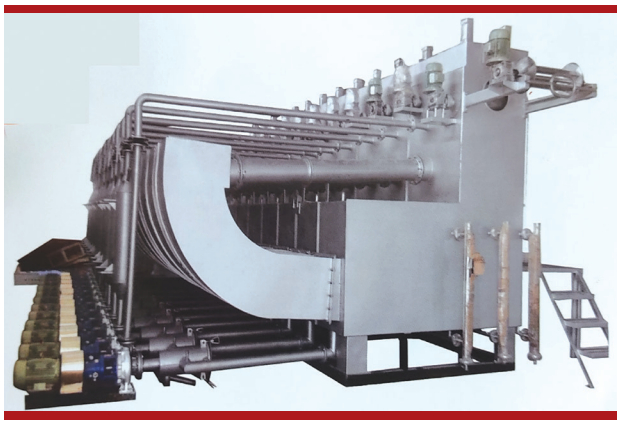
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SCIENCE IN INDUSTRY

Krsna Group

Know about Krsna Group's humble beginning

Krsna Group Textile Machinery Manufacturing is First Generation Family Enterprises made a humble beginning in Mumbai Apartment, by Technocrat Turned Entrepreneur VJTT Mumbai Graduate Mr. M.D. Shah (Fellow Institute Manchester UK) Krsna Engineering Works move in 1990 to present location of 2000 square yard plot 45, GIDC Naroda, and Ahmedabad India. Well response from Market for Krsna younger brother P.D. Shah joined at initial stage followed with young Techno Savy Family Members helped Krsna Expaned its activities & form new venture under leadership of Mr. Chandresh Shah (Managing Director President of the Indian Textile Accessories & Machinery Manufacture Association) Business & Law Graduate with help of uncle Mr. H.D. Shah Electrical Engineer, Krsna Engimech Pvt. Ltd. B4, GIDC, Phase 2, Naroda, Ahmedabad-328330.



Latest innovative products of Krsna Group

- Krsna an innovator of Dyeing Technology introduced 1st time in India soft/over flow dyeing machines.
- 5 to 7 soft flow dyeing machines fully automatic month Krsna Krantz soft flow dyeing machine.

SKTS

SRI KUMARAN TEXTILE SYSTEMS

- Exchange of Expertise Techniques

INA

- Special Needle Bearings – F 208897, F 88049, F 203880, F 236235
- Critical Needle Bearings - NKIB 5903, NK 22/16, RNA 4905, NKI 20/20

kci BEARINGS

- Bottom Roller Bearings – KW 328, KW 3000, K 21/28.,.
- Tin Roller Bearings – GRAE 45 NPPB
- Jockey Pulleys – SR 60, BSR 70

SKTS

- Can Castor Wheels (60*25mm, 80*25mm)
- Doffing Trolley Wheels (4*1.5", 4*2", 6*2")
- YCP Trolley Wheels (Stainless Steel Suplast Bush Wheels)

phoenix

- Autowinders Cutters and Scissors
- Cutters Available for All types of Autowinders – Schalfhorst, Savio and Muratec.
- 5 Years performance assurance warranty for Brazed tip cutters
- All scissors are printed with Phoenix emblem for Identification

MEW PARAFFINS

- GOTS and OEKO - TEX certified wax rolls
- Wide range of wax qualities available for Cotton, Synthetic and Blends
- Optimum wax pick up with less co-efficient of friction
- Improved Knitting Efficiency

ALL SPEED FRAME SPARES AND SERVICE ARE AVAILABLE WITH US

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Coimbatore – 641 038 | Contact : 9842225586 |
E-mail : srikumarantextilesystem@gmail.com / muthuvijayanskts@gmail.com

- Krsna continuous open width washing ranges for knit fabric & woven.
- Krsna open cum rope washing range.
- Krsflow continuous rope washing & bleaching range 1st time in India.
- Tumble dryers for woven & knit terry towel.
- Merceriser Mini & Regular.

Krsna Group concept to reality

- Krsna with its zeal to protect environment always tried to design machineries to save water chemical energy.
- Krsna range of soft-flow & other textile processing machineries fundamental are accuracy in manufacturing using top quality materials. Krsna ranges of machines are well known for reliability, robust construction & ease in operation.
- Krsna in operation.
- Krsna with reinvent obsession could.
- Introduce first time in India
- Krsna soft-flow dyeing
- Krsflow multipurpose washing cum bleaching CBR
- Krsna open width tensionless vibro drum washer for bio wash & after print wash of knit fabric.

What Adopted at Krsna

Lean manufacturing completeness system & 5s +

- Safety rules
- Sort
- Straightens
- Shine
- Standardisation

This system adoption helped in

- Mfg. best performing machines
- Consistency in quality
- Repeat performance with excellent quality
- Produce user friendly machines
- Get 90% repeate order

Today Krsna is name to reckon with Krsna Operating all over India & 23 countries worldwide.

Krsna launched softflow dyeing machine with German Technology in India

First Indian manufacturer to offer atmospheric soft flow and high temperature soft flow in various capacity 5 kg to 2000 kg.

First Indian manufacturer to offer sample soft flow atmospheric & high temperature 5 kg to 50 kg. First Indian manufacturer of double nozzle long tube (twin nozzle) combination of soft flow & jet long tube soft flow.

First Indian manufacturer of Krsflow continuous rope washing/bleaching range.

This noven machine developed by the company is an import substitute & help to same water, energy, as well as dyes and chemicals.



First manufacturer of soft flow dyeing machine from India displayed at international exhibition itme '99 Paris.

First manufacture to export soft flow to MEXICO in South America in 1998.

First universal soft flow machine to dye all types of fabrics. Silk / Polyester / Cotton / Viscose / Lycra / Terry Towel / Knits / Woven / Loosely Woven Fabric & Blend.

First Indian manufacturer of DOUBLE Nozzle Long tube (TWIN Nozzle). The combination of soft flow & jet long tube soft flow.

First and the only manufacturer to offer long tube soft flow designed to process lighter fabric of 20 meters/kg. & heavier fabric 2 meters/kg. variety fabric.

More than 2500 machine are in operation in India & 23 countries worldwide.

Krsna soft flow dyeing machines are eco-friendly & greater market acceptance by all over India by the user industries.

Special Features

Krsna group's tradition of solid design excellent manufacturing tradition help us to build this new concept of continuous washing/bleaching of all kind of textile in rope form like woven/terry towel/knits — hosiery/loosely woven (woolly georgette chiffon).

Krsflow with unique features help to save water/save chemical/save energy & help to protect environment.

Krsflow continuous rope washing & bleaching range krsna pioneer manufacturer of soft flow in India, with constant synergetic relation customer helped us to introduce the unique design, special purpose continuous rope bleaching range.

Krsflow continuous rope bleaching/scouring washing range.

Krsflow continuous washing range encompasses all the principles of efficient washing. This range has an intelligent combination multi tube (few) soft flows running in tandem.

The fabric is being process in rope form with use of highly acclaimed krsflow (over flow) system the 8 to 16 soft flows process the fabric together to accelerate the process of after print fabric washing or scouting bleaching.

Actual working of krsflow processing on krsflow fabric enters 1st train (soft flow) through squeezer enters soft over flow section & being gently carried at rear side through transport tube on return path fabric is being squeezed in squeezer of next train (soft flow tube) & enters soft over flow section of next train & then gently pushes to rear side likewise cycle continue.

Fabric enters 1st soft flow section then enters second section of soft flow then continue to exit in last soft flow at working speed of 20 to 30 meters/minutes depends on quality of fabric. Water consumption: 1 kg of fabric needs 10 to 15 liter from gray to bleach.

Sample Soft Flow for all types of Fabrics

Technical Specification

- Robust Reliable Construction of SS 316 L material. High volume low pressure pump (with AC variable inverter drive).
- Variable driven inside reel with silicon strip to avoid abrasion mark.
- Liquor ration 1:4 with 100% moist fabric.
- Teflon sheet at rear side for entangle free fabric movement.
- Water flow meter (Optional).
- Fully Auto Operation (Optional).
- Seam Detector (Optional).

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Email : krsnaeng@gmail.com,
Website : www.krsnagroup.in

Crealet AG

Crealet Customized Warp Systems

Crealet is the world-leading Swiss manufacturer of electronic warp feeding systems for both wide and narrow fabric weaving.

Crealet stands for original and effective solution.

Selvedge Let-Off LT3 – Precision at the Fabric Edge

- Crealet Systems
- Selvedge Thread Let-off LT3, Technical Textiles

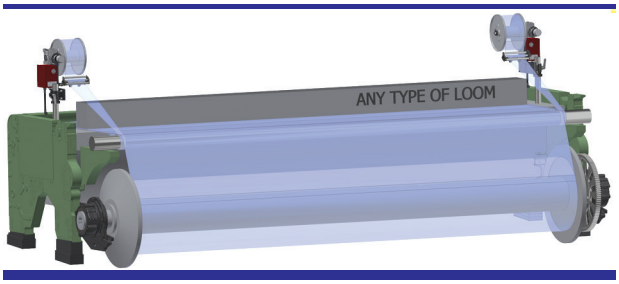
Discover our Selvedge Let-Off LT3 was showcased at Techtextil 2026 in Frankfurt – a highly advanced device that ensures maximum precision in selvedge thread guidance on weaving machines.

Unlike conventional systems, the LT3 reliably regulates thread tension at the fabric edges, guaranteeing perfect fabric quality.

By precisely feeding the selvedge threads, waves and distortions are minimized, producing consistently high-quality fabrics. The LT3 models are equipped with BLDC motors and an intutive touch interface, offering precise control, maximum efficiency, and easy operation directly at the device.

Technical Textiles

The LT3 is ideally suited for airbag fabrics, filter fabrics, and other technical textiles where accurate selvedge control is crucial for fabric quality.



Highest Quality

Its targeted use ensures clean, defect-free fabrics and meets the highest quality standards.

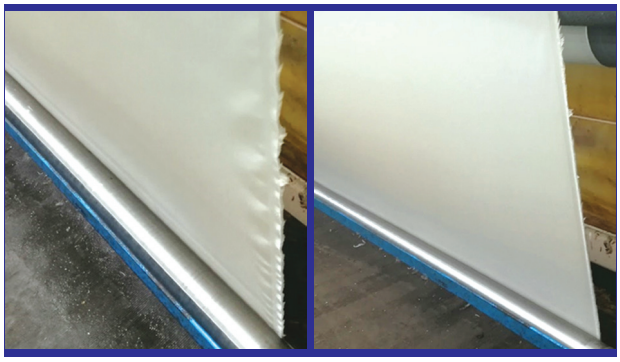
Increase Productivity

With the LT3, you can increase the productivity of your weaving machines while maintaining consistently high-quality fabrics – a true advantage.

Experience the Difference at Techtextil 2026

LT3 was demonstrated at Techtextil 2026 held from April 21-24, 2026 in Frankfurt, and see the

LT3 is a solution that delivers outstanding results today and tomorrow.



Selvedge Thread Let-off LT3

Technical Textiles

- New: The Crealet Creel Solutions
- Rubber Transport for Elastic Bands
- Selvedge Let-Off LT3 – Precision at the Fabric Edge
- Local Expertise with Global Impact
- Spcial Solutions for Warp Yarn Feeding in Weaving and Warp Knitting Machines
- Crealet at Techtextil 2026 – We're Participating!

For further information, please contact:
Crealet AG
Hüeblistrasse 41 8636, Wald/ZH- Switzerland ❐

GS Group

GS Group a trusted name in Jute & Textile Sector

Over more than 3 decades GS Group has built strong foundation in terms of reputation based on quality, reliability and innovation. GS Group caters global needs through its strong business verticals.

5 State of the Art Jute Mills

Manufacturing high quality jute yarn and fabric, catering to domestic and export markets. Focus on Eco friendly and sustainable natural fibre solutions.

2 Speciality Wire Drawing Units

Producing precision engineered carbon steel wire to support our in house requirements and the needs of automobile and engineering industries.

Textile Machinery Accessories

Expertice in lattices, pins and high-quality sliver cans for smooth mill operations.

Why GS Group ?

- Carrying on legacy of excellence — A trusted name in the jute and textile sector
- Integrated production based — In house facilities from raw material to finished products
- Quality and innovation continuous improvement with cutting-edge technology and skilled manpower.
- Focus on what customers need — Tailor made solutions, timely deliveries, and after-sales support

HDPE Spinning Can

At GS Can, we understand that efficiency, durability and consistency are key to every spinning operation. Our HDPE spinning cans are designed to deliver real value to our customers:

Longer Life and Lower Costs

Robust antistatic HDPE body ensures durability, reducing frequent replacements.

Easy Handling

Easy mobility with precision castor wheels for effortless movement across the mill.

Consistent Quality

Uniform constructions helps maintain silver integrity, ensuring better yarn quality.

Low Maintenance

Built with advanced materials that resist wear and tear, keeping downtime minimal.

Focus to enhance productivity

A reliable investment that enhancs productivity and reduces operational costs.



GS make spinning cans are trusted by leading textile mills for their ability to combine performance

with cost-effectiveness, making them the preferred choice in the industry. The complete range of cans starting from 300 mm up to 1000 mm in diameter is available with us along with its accessories.

Spinning Can Accessories

Stainless Steel Top Rings and Bands

These are argon welded and completely polished. They are fitted on top of the HDPE body and have very smooth joints.



Bottom Plates and Bottom Rings

These are made from deep drawn quality galvanized sheets whice are equidistantly embossed to enhance overall strength and avoid deformation.

HDPE Body Sheet and Bottom Binder

These are made from a special blend of polymers for making the butt weld stress free. Butt welding is performed on a PLC controlled imported welding machine. Our cans never fail at joints and this ensures that there is no tear or breakage of yarns.



Box and Pantograph Type Springs

These are made from spring steel wire at our in-house wire drawing unit. Box type springs are heat treated to ensure fatigue free performance



along with uniform collapsibility and release. Pantograph type springs accommodate uniform collapsing of the spring which ensures uniform movement of silver by not allowing any tilting of the top plate.



Plastic top and Bottom Covers

Single plastic moulded top and bottom covers ensures anti-slippage properties giving the extra grip and protection to the sliver.

Sliver can identification bands

Solving the twin purpose of can protection and bifurcation of cans based on different types of yarns processed, these bands give a value-added proposition.

Castor Wheels

GS All purpose Castors

Our all purpose ball bearing castors have a fluff proof design that results in extra waste not getting collected near the wheels and are integral parts of our state-of-the-art spinning cans. Castors are available in 65 mm (2.5") and 80 mm (3.0") and 100 mm (4.0").



Key Features

- Highly durable castors with a gap between the wheel and the holding frame
- Facilitates detailed, quick and easy cleaning of the sliver.
- The sheet metal part is 2.5 mm thick
- Special carriage bolts and ZZ bearings are used to increase the longevity of the wheels
- Only nylock nuts are used which have significantly lesser chance of unwinding and falling off
- Our all-purpose series wheels are manufactured in house using carefully selected nylon 6 grade polymer only

Light Duty Industrial Castors

These are used for trolleys and are made from a special polymer. The wheel diameter is 80 mm and 100 mm. These castors are recognized for their high quality and durability.

On Toes Castors

On toes castor wheels are made of nylon based material with abrasian resistance properties. These castor wheels are available in 70 mm and 80 mm diameter.

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Web : www.gscan.org.in ❐

M/s. Basant Fibertek Pvt. Ltd.

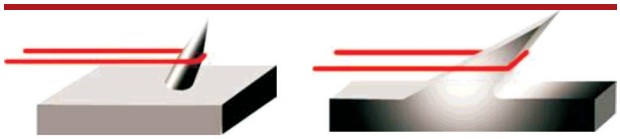
BASANT's Advanced Solutions for Spinning Recycled Yarns

Having done extensive research tasks BASANT has been able to address the problems of after effects of recycled fibers

In the current market conditions, spinners are increasingly using recycled fibers both to reduce their cost of production and to meet the market demand for recycled fibers. But the challenges are many - high trash and micro-dust, short staple length, inconsistent fiber mix, fiber rupture during the waste tearing and fiber preparation processes, high level of contamination, among others. After extensive research and experiments, BASANT concluded that the best way to address all these problems is to ensure better opening and cleaning wihle ensuring minimum damage to the already weakened fibers during the process of fiber reclamation and spinning.

BASANT FIBERTEK enjoys a 60 years old chequered history as a market leader and innovator in Pins and Pinned Products for Textile Spinning and Recycling. Given the enormous opportunities and challenges in recycling textile waste, BASANT has focused on developing GENTLE FIBER OPENING SOLUTIONS to achieve high quality yarns from short and trashy fibers, while improving production and reducing process waste. Through its expertise, BASANT has been able to resolve many challenges for Recyclers and Spinners by designing custom solutions using the Gentle Opening Action of BASANT PINS.

CHOICE OF MACHINE CLOTHING

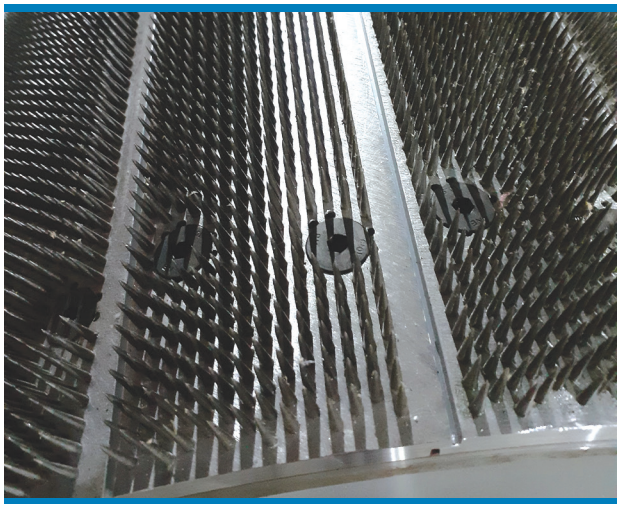


Gentle Opening by Pins Harsh Opening by Saw-tooth wire

The above graphic will illustrate how Pins provide Gentle Opening Action as compared to the Harsh Action by Saw-tooth Wire. Pins have a smooth spherical ball-point tip which imparts a very gentle opening or untangling action on the waste or fibers, thus minimizing rupture. In contrast, the knife edge of sawtooth wire initiates a cutting action to open the fibers, thus rupturing them and thereby generating not only a lot of dust but also shorter and weaker fibers.

The main principle adopted by BASANT is to prevent further weakening of already weak recycled fibers in order to produce a better quality yarn at higher productivity. Another very significant advantage of Pins is that it provides a de-dusting action to the fibers (similar to slapping your fingers on a dusty cloth), enabling the trash and dust to be easily separated fron the fibers.

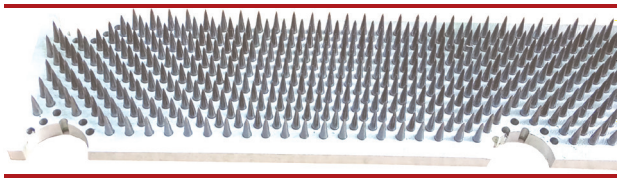
Basant has provided solutions to a wide range of waste recycling and recycled fiber spinning - be it recycled cotton from pre or post consumer waste, recycled polyester or other synthetic fibers, recycled PET fibers, silk, wool, linen or acrylic fibers or regenerated synthetic fibers. Each mill has its unique challenges, depending upon the machinery available, machinery condition, fiber mix used, yarn counts produced, and quality parameters. Hence, it is important to audit the process before designing solutions and then to handhold the client through the trials and validation. Besides product design, optimization of machine settings is critical in achieving the desired improvement in quality and productivity. Since most recyced yarns are produced through the Open-End Spinning process, BASANT has developed solutions for the whole value chain, including Waste Tearing, Fiber Preparation and Rotor Spinning. We shall breifly describe what we do in each of these processes.



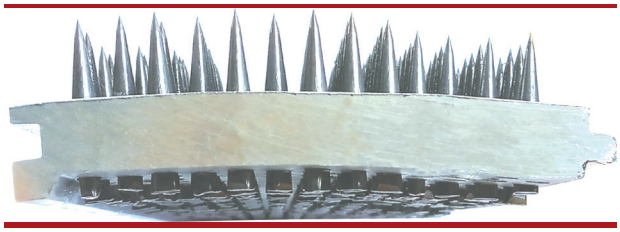
Pinned Cylinder

Waste Recycling

In the Tearing Machines, the reclaiming of fibres needs to be done in a gradual and gentle process to minimize fiber damage, while ensuring good opening. This is achieved by carefully designing the pin population in each cylinder and ensuring proper cylinder speed and gauge setting. Pins



Pinned Lags



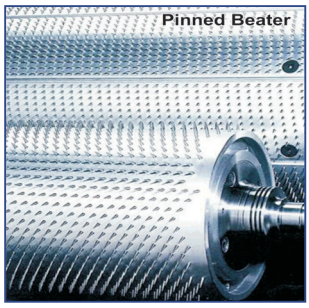
Excalibur Lag

also give a very long life when compared to wire because the ball shaped tip wears out slowly and forms a new tip as the pin length reduces, since wear is happening all around the tip. In contrast, the knife edge of wire becomes blunt very rapidly and the opening action reduces rapidly. Our lags

have successfully opened yarn waste, rags, carpet waste, jeans and other clothes, laminated felts and other forms of textile and nonwoven waste. The optimized heat treatment of Pins ensures long life whereby the pins don't break or bend easily due to high load of waste material and contaminants. Many international recyclers and OEMs are our clients. We have developed a proprietary design named Excalibur Lags, wherein the design ensures no pins fall out from the lags during operation.

FIBER PREPARATORY

Beaters in the Blowroom and Chutefeed, as well as the Card Licker-in, play a crucial role in achieving a high quality of well-opened, clean and strong card sliver, the basis of producing a good yarn. Using the right design of Pinned Beaters and Licker-ins ensures a consistent quality of well opened and cleaned sliver as well as lower fiber waste. The higher the opening efficiency, lower is the waste, lower is the sliver trash, better is the yarn strength and the more and less ruptures are the fibers, lower will be the Neps in the yarn produced. A strong and lower neps sliver also ensures lower breaks during the spinning process and lower cuts at winder, thus further improving production and reducing waste. We advise most clients, who are facing challenges in their spinning, to focus on optimizing their fiber preparation to minimize their problems at the spinning stage.

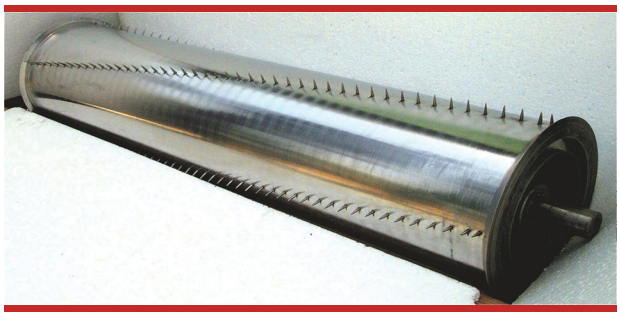


Pinned Beater



Pinned Licker-in

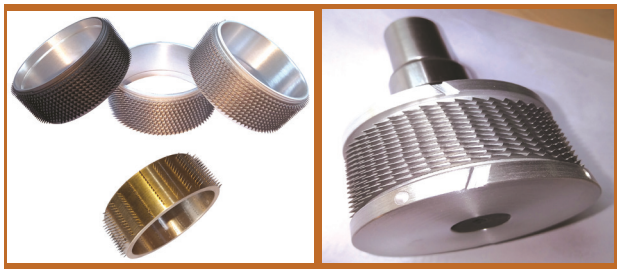
We design the pin pattern in our Beaters as per the demands of the raw material mix used in the process. Factors like pin diameter, pin population, pin angle, pin height and pin hardness have a role to play in achieving the optimum results. Through our extensive experience over many decades and execution of numerous successful projects, we have mastered the art of designing Gentle Fiber Opening solutions. We have more than 15-25 pin patterns developed for each type of Pinned Roller to specifically meet certain process requirements. Hence, we can provide guaranteed solutions for virtually any type of fibers and for any count (Ne) of yarn.



Chute Feed Roller

OPEN-END SPINNING

BASANT has always believed in providing cutting edge technology solutions and many options to our clients, such that they can get optimum results in both quality and productivity at an economical cost. Recycled or regenerated fibers tend to be highly abrasive. This reduces the life of the clothing of the Opening Rollers as well as presents a stiff challenge in achieving good, consistent fiber opening.



We have addressed these challenges by developing and providing a wide range of Opening Rollers & Clothing Rings as well as Rotors for all leading makes and latest models of Rotor Spinning machines and to serve any kind of requirement of our clients. A wide range of high-performance hard coatings are available to achieve the best price to performance ratio in the highly competitive Rotor Spinning market for our clients. We have developed several innovative designs and introduced many new-age cost effective coatings for this purpose. We advice our clients on the selection of the right type of clothing (wire as well as pins) and coating for the Opening Rollers and also the right diameter and groove of Rotors. We also offer our Opening Rollers with our Patented, hard coated Clothing that's very well received by the market.

SCIENCE IN INDUSTRY



We take pride in our ability to meet the challenges our clients face when producing recycled yarns and in our focus on promoting the recycling and circularity of textiles by introducing viable technological options to achieve the desired quality and cost parameters required for this initiative to scale and prevent the increasing problem of waste dumping. We are committed to contribute towards building a sustainable world and thereby a better future for humanity.

BASANT is participating in ITM, Istanbul in June 2024 to present its advanced, innovative and proven solutions for recycling waste and for spinning recycled yarns. Since Turkey is a big international centre for producing recycled textiles, it is an ideal platform for meeting clients who are facing challenges for which we have tested, proven and guaranteed solutions.

For further information, please contact :
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INDEX TO ADVERTISERS

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Name	Page
Agma Products	25
Associated Autotex Ancillaries Pvt. Ltd.	3
Aspire Grand Excel Automation	*
Basant Fibertex Pvt. Ltd.	*
Bea Electronics	91
Bharat Beams Pvt. Ltd.	22
Chiven Spinning	95
Cleentex	*
Dhara Textile Machinery Pvt. Ltd.	24
DH Textile Engineering	*
Elgi Electrics Industries Ltd.	67
Gayatri Textile Machines	109
GC Can	*
Jaytex Engineers	*
Indian Dye Springs Co.	*
India ITME 2026	10
ITMA ASIA+CITME 2026	88
Krsna Engineering Works Kubershwar	C-III
Machine Products	*
Laxmi Precision Technologies Limited	71
Lakshmi Ring Travellers (CBE) Ltd.	C-IV
Laxmi Machine Works Ltd	*
Mag Solvics Private Limited	*
Mangal Singh Brothers Pvt. Ltd. Manoj	5
Engineers	18
Mehra Wax	*
Mayur Reeds and Healds Pvt. Ltd.	*
Mayur Textile Equipments	*
M.K. Spindle Manufacturers Pvt. Ltd	*
Mylon Metallics Pvt. Ltd.	*
New Make Industries	*
NIF Mechanical Works Pvt. Ltd.	11
OM Corporation	26
Oriental Enterprise Pvt. Ltd.	*
Paras Healds & Reeds Pvt. Ltd.	20
Peass Industrial Engineers Pvt. Ltd.	21
Precision Rubber Industries Pvt. Ltd.	C-I
Printer Fa Ni Asia Private Limited	13
Rimtex Group	*
Ringmann	*
Sakthi Textile Engineers	*
S. B. Dye Springs (India) Pvt. Ltd.	C-II
S.B. Corporation	70
Sheeba Enterprise	15
Shriji Sparekraft Impex Pvt. Ltd.	*
Shree Ram Textile	*
ShreeTex Corporation	12
Shreenathji Warptex Pvt. Ltd.	9
Simta Group of Companies	7
Skaat Machine Works India Pvt. Ltd.	*
Spin Air Systems Coimbatore Pvt. Ltd.	*
Spintex Exports	*
SRM Technologies	*
Sri Kumaran Textile Systems	99
Srinivasa Tex Spapres	6
Sunrise Industries	16
Super Machine Works Private Limited	*
Sumanlal J. Shah Sons (P) Ltd	103
Sumanlal J. Shah & Co.	*
Tech Mech Engineers	14
Technocraft Texmach Pvt. Ltd.	17
Techno Electronics & Instruments	8
Texlab Industries	*
Tex-Tech Industries Pvt. Ltd.	110
Texfair 2026	*
Tirupati Technik	*
Trutzschler India Pvt. Ltd.	87
Unitech Texmech Pvt. Ltd	19
Varjilal Hirjibhai Trivedi & Sons	*
Vetri Engineers	4
Vishwaa Engineering	107
Worldex India Exhibition & Promotion Pvt. Ltd.	*

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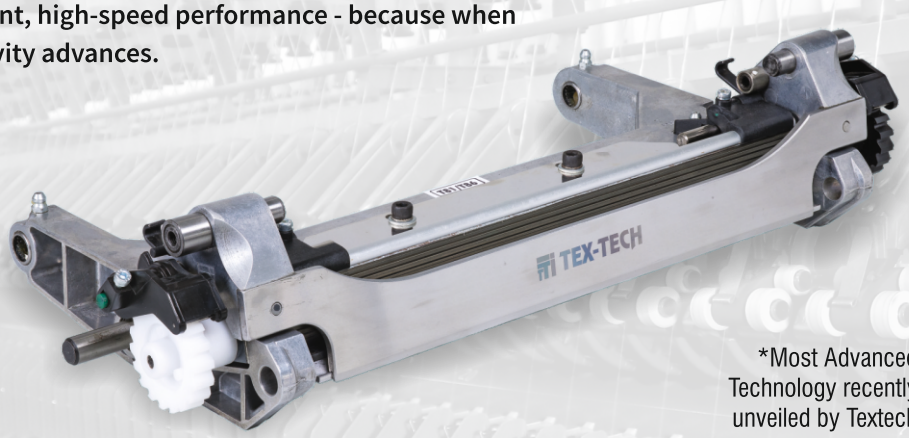
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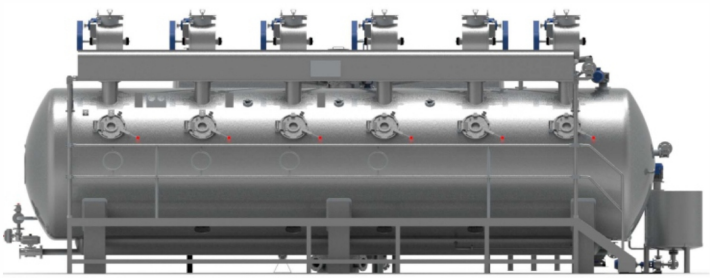
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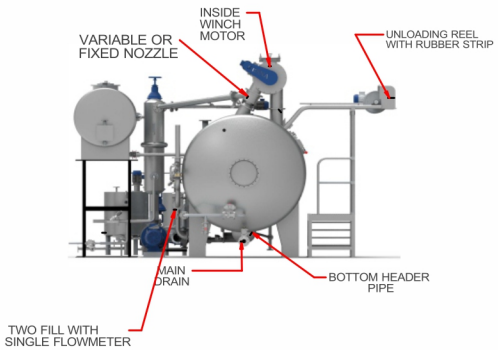
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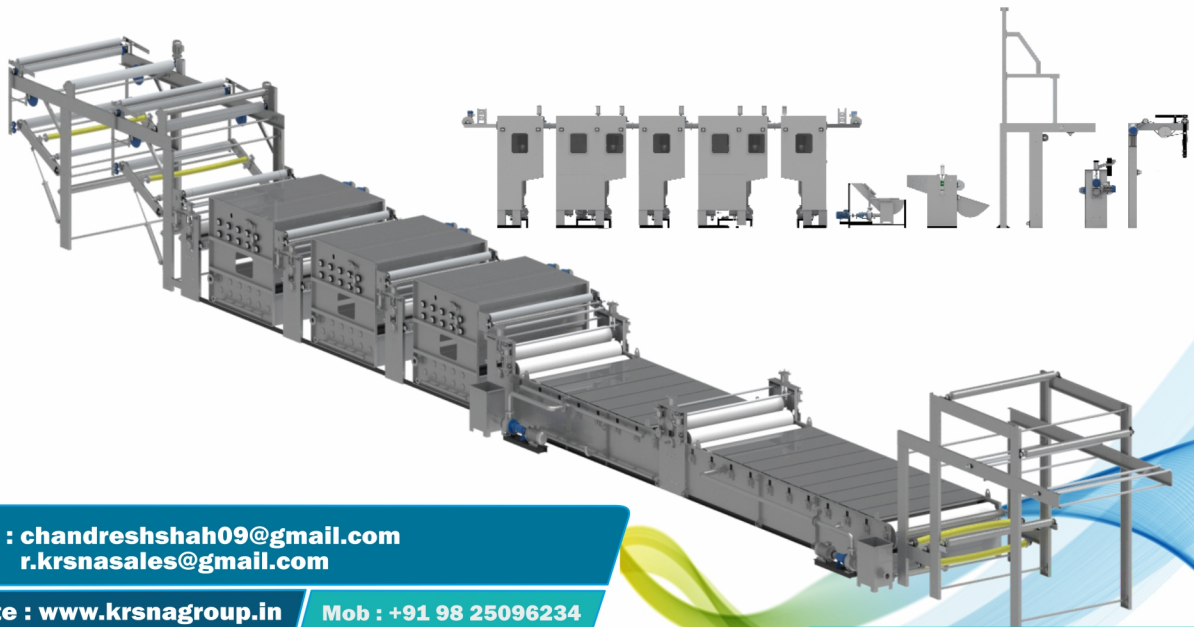


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