Textile Trends

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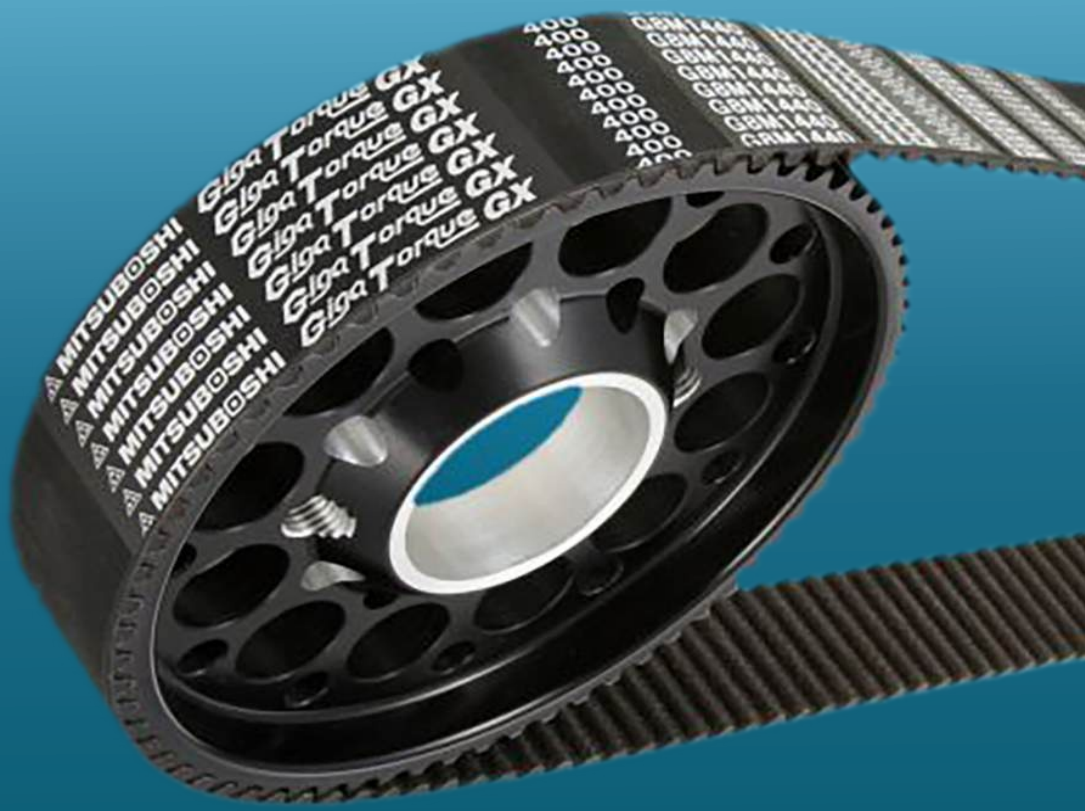

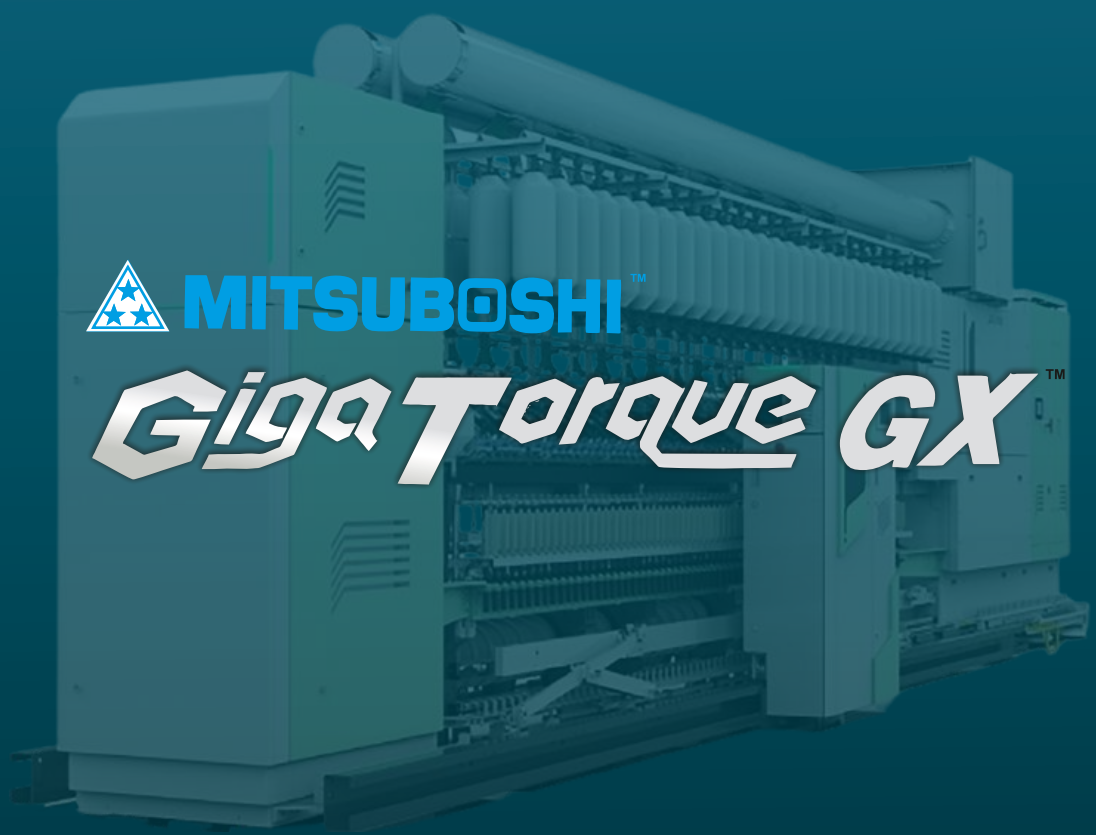

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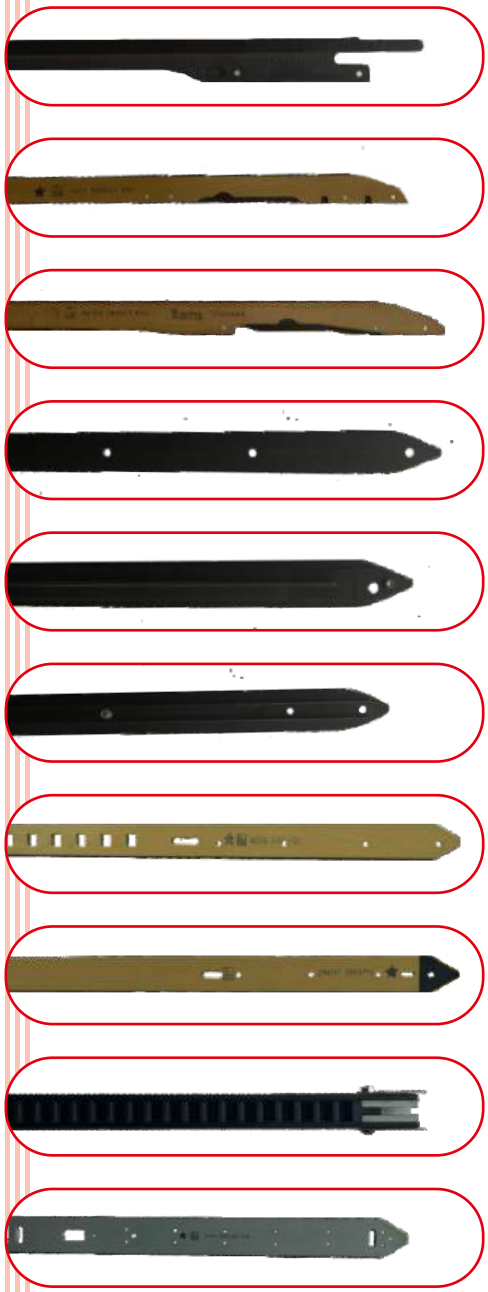

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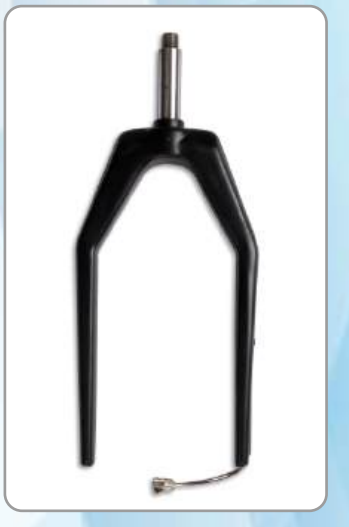



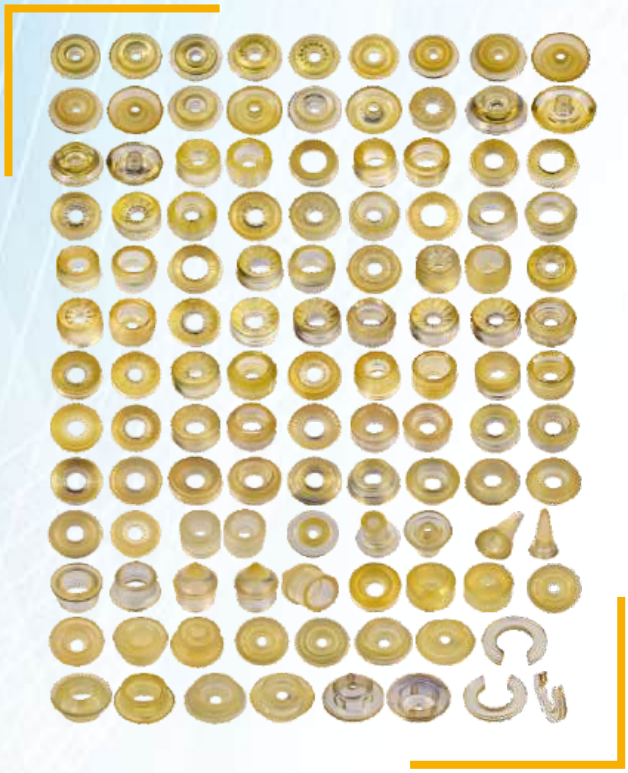

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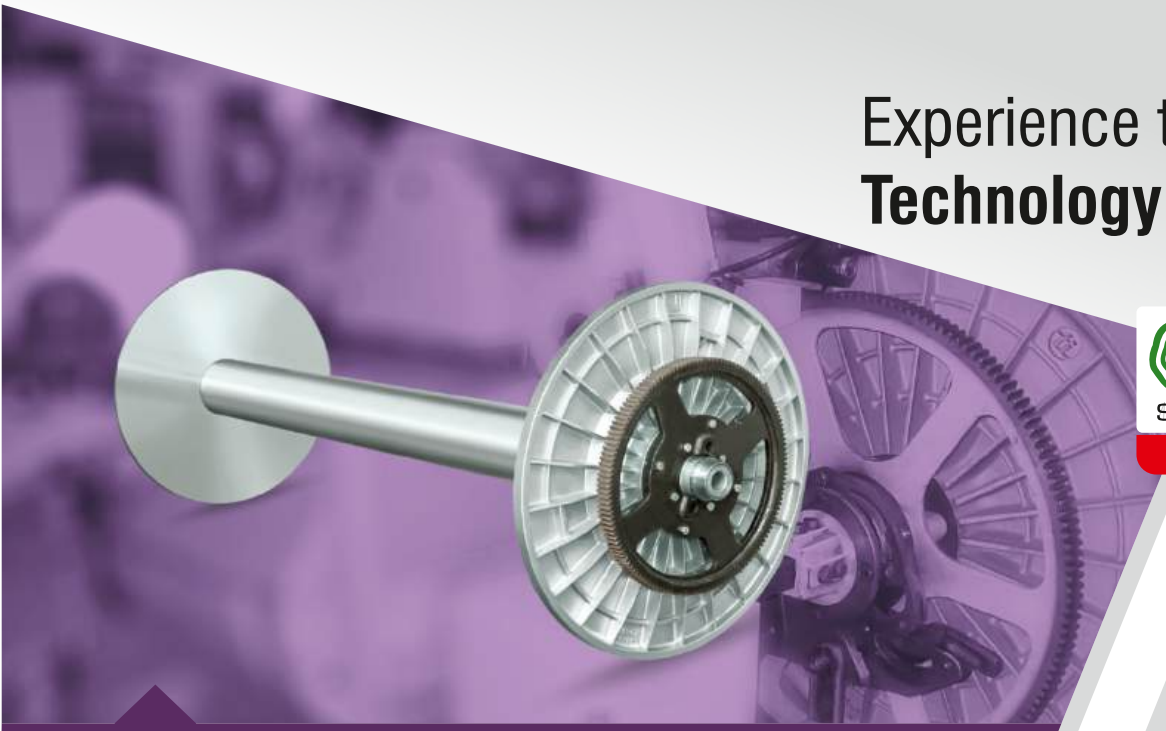

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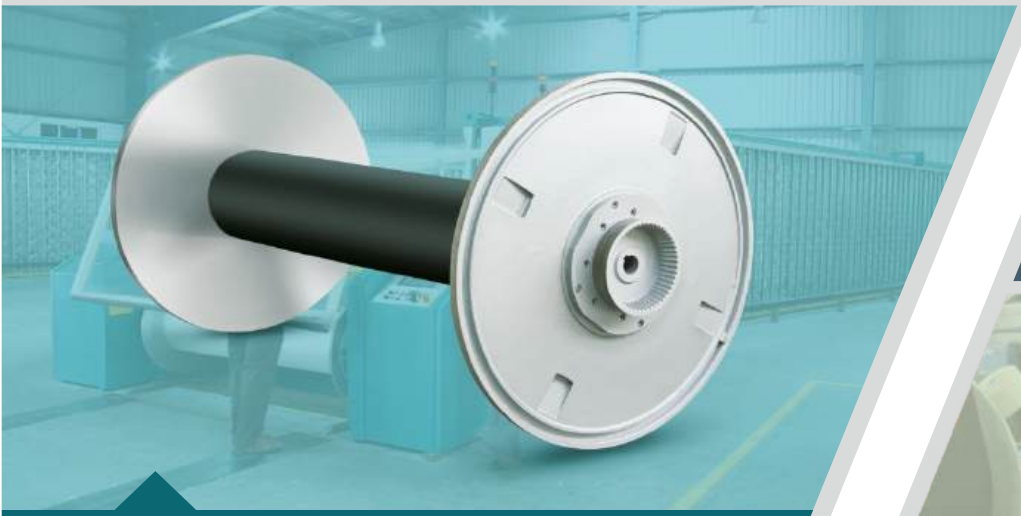

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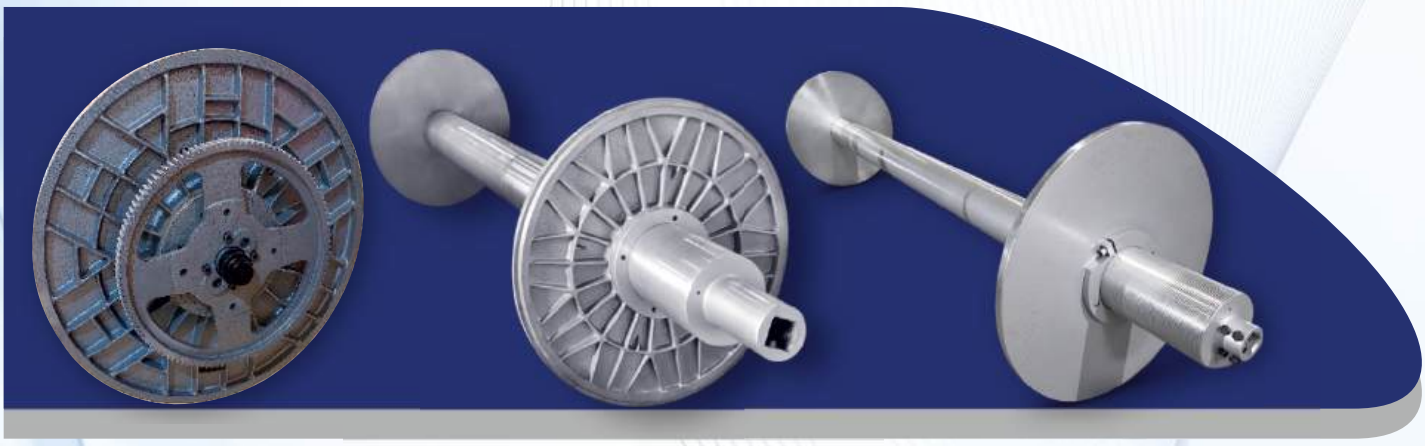

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HARIVEE / 05-2023

EDITORIAL

The union budget for 2026-27 gives much attention to service and textile sector

The union budget for 2026-27 presented by finance minister (FM) Nirmala Sitharaman on 1st February 2026 had an excellent domestic macro backdrop. In accordance with the first advance estimates, GDP in constant prices is projected to grow 7.4% in current financial year in contrast to 6.5% in 2024-25. Higher growth has been achieved with benign inflation conditions and continued fiscal consolidation. To sustain growth momentum FM emphasized on manufacturing sector including MSME, energy.

With the aim of capturing a 10% share of global services exports by 2047, FM put a renewed focus on the service sector. In her budget speech, Sitharaman announced high-powered standing committee on education, employment and enterprise, and renewed emphasizes on services sector, coupled with recognition of tourism's potentials to generate employment, boost foreign exchange earnings and expand the local economy. This budget strengthens national security with highest-ever budgetary allocation of Rs. 7.85 lakh crores to the defence sector. Budget 2026 exempted from tax on certain drugs used to treat Cancer and specific rare diseases.

This budget pays major attention to textile sector. The budget has rolled out a five-year 'Mission for Cotton Productivity' and also proposed a 'National Fibre Scheme'. For labour intensive textile sector FM proposed an integrated programme with five sub-parts such as silk, wool and jute, man-made fibres and new age fibres. She also announced the textile expansion and employment scheme to modernize traditional clusters with capital support for machinery, technology upgradation, common testing and certification centres. She announced the setting up of mega textile parks in challenge mode. She proposed to launch the Mahatma Gandhi Gram Swaraj Initiatives to strengthen khadi, handloom and handicrafts.

The textile industry is second largest employment provider wherein 105 million peoples are working. The centre had set a target of increasing the textile business size from $179 billion to $350 billion, and exports from $38 billion to $100 billion by 2030. The budget proposal for National Fibre Mission, covering the full fibre spectrum, will ensure supplies stability, price competitiveness and stronger global positioning of finished textile and apparel products. These measures will promote inclusive growth and rural livelihood. In sum, this budget emphasizes on acceleration and sustainability of economic growth.

US economy soaring, employment unchanged

Economic activity picked up at a "slight to modest pace" in most parts of the US since mid-November, the Federal Reserve said in its Beige Book survey of regional contacts. "This marks an improvement over the last three report cycles where a majority of districts reported little change," the report said. The time period reviewed for the report closely followed the end of the longest government shutdown in US history. Employment levels were mostly unchanged in eight of the Fed's 12 regional districts. Wages grew at a "moderate" pace, with "multiple contacts reporting that wage growth had returned to 'normal' levels," according to the report. A majority of districts saw prices grow at a "moderate" rate. Still, "several contacts that initially absorbed tariff-related costs were beginning to pass them on to customers as pre-tariff inventories became depleted or as pressures to preserve margins grew more acute," the report said. The report aligns with the views of several Fed policy makers, who have recently characterized the labour market as having cooled broadly, but remaining on stable footing. Meanwhile, some officials have urged caution about additional interest-rate cuts, citing inflation that the above the Fed's 2% goal and the possibility for price pressures stemming from President Donald Trump's tariffs policies. After three quarter-percentage-point cuts in interest rates to close out 2025, investors currently don't expect the Fed to lower rates again until June. The Richmond Fed compiled the latest edition of the Beige Book using information gathered on or before January 5. The report includes commentary and ancedotes from business leaders and other contacts in each of the Fed's districts. ❐

China's trade surplus surged to record $1.2 Tn in 25

China's trade surplus surged to a record of almost $1.2 trillion to a record of almost $1.2 trillion in 2025, the government said recently, as exports to other countries made up for slowing shipments to the US under President Donald Trump's onslaught of higher tariffs. China's exports rose 5.5% for the whole of last year to $3.77 trillion, customs data showed, as Chinese automakers and other manufacturers expanded into markets across the globe. Imports flatlined at $2.58 trillion. The 2024 trade surplus was over $992 billion. In December, China's exports climbed 6.6% from the year before in dollar terms, better than economists' estimates and higher than November's 5.9% year-on-year increase. Imports in December were up 5.7% year-on-year, compared to November's 1.9%. China's trade surplus surpassed the $1 trillion mark for the first time in November, when the trade surplus reached $1.08 trillion in the first 11 months of last year. Economists expect exports will continue to support China's economy this year, despite trade friction and geopolitical tensions. "We continue to expect exports to act as a big growth driver in 2026," said Jacqueline Rong, chief China economist at BNP Paribas. While China's exports to the U.S. fell sharply after Trump returned to office and shipments to other markets in South America, Southeast Asia, Africa and Europe. For the whole of 2025, China's exports to the US fell 20%. In contrast, exports to Africa surged 26%. Those to Southeast Asian countries jumped 13%; to the European Union 8%, and to Latin America, 7%. Strong global demand for computer chips and other devices and the materials needed to make them were among categories that supported China's exports, analysts said. Exports of electronics and electrical equipment were by far the largest export category, rising 8.4% from a year earlier. Car exports also grew last year. Auto exports surged 21% in 2025 to more than 7 million units, driven by electric vehicles and plug-in hybrids, according to the China Association of Automobile Manufacturers, an industry group, of late. China also exported more grain and fertilizer, while its sales of furniture, shoes and other labor intensive products fell. Strong exports have helped keep China's economy growing at an annual rate close to its official target of about 5%. That has triggered alarm in countries that fear a flood of cheap imports. China faces a "severe and complex" external trade environment in 2026, Wang Jun, vice minister of China's customs administration, told reporters in Beijing. ❐

WORLD ECONOMY AND TRADE TRENDS

US trade gap narrows to smallest since 2009

The US in October to the smallest since 2009 on a sharp pullback in imports, notably pharmaceuticals. The goods and services trade gap shrank 39% from the prior month to $29.4 billion, Commerce Department data showed recently. The deficit was smaller than all estimates in a Bloomberg survey of economists. The report was delayed for over a month because of the federal government shutdown. Imports decreased 3.2%, reflecting declines in inbound shipments of medication and nonmonetary gold. Imports of pharmaceutical preparations dropped to the lowest since July 2022. The value of all US goods and services exports rose 2.6% in October. The figures aren't adjusted for inflation. Companies frontloaded imports of drugs September, likely in anticipation of President Donald Trump announcing what would be a 100% tariff on pharmaceutical imports to start October 1, which ended up being delayed. Many companies were able to avoid the duty by striking deals with the administration in exchange for promises to lower drug prices. There have been large monthly swings in trade this year related to US implementation of tariffs. In particular, there's been a surge in trade of nonmonetary gold and pharmaceutical preparation in recent months in response to Trump's vacillating tariff announcements. In addition to the decline in gold, imports of other industrial supplies and materials such as oil and metals also fell. Inbound shipments of computers and computer accessories picked up, suggesting "there are genuine signs of strength elsewhere in the economy amid the AI buildout," Bradley Saunders, North America economist for Capital Economies, said in a note. ❐

German economy surges after 2-year slide

Germany's economy grew for the first year since 2022 as a government spending spree helps the country overcome its lengthy industrial slump. Gross domestic product rose 0.2% in 2025 following two consecutive annual contractions — matching the median estimate in a Bloomberg survey of analysts. The fourth quarter saw an increase of the same amount. Expansion last year was driven by household consumption and government expenditure, while investment fell and trade acted as a drag, the statistics office, known as Destatis, said. Europe's largest economy has been rocked in recent years by an energy crisis, restricted access to crucial inputs and President Donald Trump's jolt to global trade — factors that have hit its industrial heartland particularly hard. While there's optimism that Chancellor Friedrich Merz's plan to splash hundreds of millions of euros on beefing up the military and upgrading crumbling infrastructure can trigger a revival, questions remain about the sustainability of any turnaround. ❐

US economy grows 4.3% in Sep qtr, fastest in 2 years

The US economy expanded in the third quarter at the fastest pace in two years, bolstered by resilient consumer and business spending and calmer trade policies. Inflation-adjusted gross domestic product, which measures the value of goods and services produced in the US, increased at 4.3 per cent annualised pace, a Bureau of Economic Analysis report showed recently. That was higher than all but one estimate in a *Bloomberg* survey and followed 3.8 per cent growth in the prior period. The BEA was originally due to publish an advance estimate of GDP on October 30 but the report was cancelled due to the government shutdown. The agency typically releases three estimates of quarterly growth — fine-tuning its projections as more data comes in — but it will only release two for the period leading up to the longest shutdown on record. The delayed report card shows the economy maintained momentum through the middle of the year as consumers powered ahead and the most punitive of President Donald Trump's tariffs were rolled back. While the shutdown is expected to weigh on fourth-quarter growth, economists expect a modest rebound in 2026 when households receive tax refunds and an anticipated Supreme Court ruling may strike down Trump's sweeping global tariffs. The Federal Reserve's latest projections echo that sentiment, with Chair Jerome Powell citing supportive fiscal policy, spending on AI data centers and continued household consumption as reasons for the central bank's forecast for faster growth next year. Policymakers are projecting just one interest rate cut in 2026 after three straight reductions to end this year. Part of

the reason for some officials hesitation to lower borrowing costs much more is because inflation remains above their 2 per cent target. The report showed the Fed's preferred inflation metric — the personal consumption expenditures price index, excluding food and energy — rose 2.9 per cent in the third quarter. Consumer spending — the main growth engine of the economy — advanced at a 3.5 per cent annualised pace. That reflected solid outlays on services, including health care and international travel. However, a softer labour market and high cost of living represent hurdles for the consumer in 2026. That combination has created a more notable divide in household spending by income. Business investment expanded at a 2.8 per cent rate, driven by another strong quarter for outlays on computer equipment. Investment in data centers, which house the infrastructure for AI, climbed to a fresh record. Net exports added about 1.6 percentage points to GDP growth after seesawing in the first half of the year. Goods and services that aren't produced in the US are deducted from the GDP calculation but counted when consumed. Inventories and residential investment both weighed on growth in the third quarter. Because swings in trade and inventories have distorted overall GDP this year, economists are paying closer attention to final sales to private domestic purchasers, a narrower metric of consumer demand and business investment. This measure climbed 3 per cent, the most in a year. The government's other main gauge of economic activity — gross domestic income — rose 2.4 per cent after a revised 2.6 per cent annualised advance in the second quarter. Whereas GDP measures spending on goods and services, GDI measures income generated and costs incurred from producing those same goods and services. The report includes fresh figures on corporate profits, which rose 4.2 per cent in the third quarter, the most this year. ❐

Fastest fall in China industrial profits in a year

Profits at China's industrial firms in November fell at their fastest pace in over a year, as weak domestic demand offset resilience in exports in another sign of a stuttering economic recovery that backs calls for additional policy stimulus. Profits fell 13.1% year-on-year in November, accelerating from a 5.5% drop in October, according to the National Bureau of Statistics (NBS) data released recently. The sharper decline came despite better-than-expected goods exports and against a backdrop of persistent factory-gate-deflation, maintaining pressure on policymakers to do more to address chronically soft household consumption. The profit numbers are consistent with a broader cooling in economic activity in the fourth quarter, mainly due to the drag from soft domestic demand, said Xu Tianchen, senior economist at the Economist Intelligence Unit. Xu said he remained cautiously optimistic about the outlook for industrial profits. "Profitability will improve under 'anti-involution'" as firms scale back investment overtime, he said, adding that companies could also "earn more profits overseas," albeit "at the cost of their global peers." For the first 11 months of the year, industrial profits rose 0.1% from a year earlier, slowing from 1.9% growth in January-October, driven in part by a 47.3% plunge in profits at the coal mining and washing industry. Momentum in the roughly $19 trillion economy eased toward year-end, though authorities have yet to roll out new policy support. Against a volatile and uncertain global backdrop, and amid continued structural adjustment as industry shifts from old to new growth drivers, the recovery in industrial firms' profitability still needs to be put on a firmer footing, NBS Chief Statistician Yu Weining said in an accompanying statement. ❐

Beijing launches $51 billion plan to support economy

China announced initial public spending plans worth a total of $51 billion to boost consumption and investment next year, moving early to shore up demand and cushion the economy against rising external headwinds. Beijing will front-load ¥295 billion yuan ($42 billion) in 2026 to support national strategic and security initiatives, as well as investment plans under the central government budget, the National Development and Reform Commission said recently. The ¥295 billion will go towards supporting about 1,000 projects like urban underground pipeline networks, high-standard farmland, logistics cost reduction, among others, NDRC spokesperson Li Chao said at a briefing. ■

INDIAN ECONOMY AND TRADE TRENDS

Fiscal deficit widened to 62.3% of FY target as of Nov

The central government's fiscal deficit up to November this financial year widened to 62.3% of the annual target, compared with 52.5% a year before, as capital spending remained elevated while net tax mop-up faltered, showed the official data released recently. In absolute terms, the fiscal deficit between April and November hit ₹9.77 lakh crore, compared with ₹8.47 lakh crore a year before, the data showed. In November alone, the deficit widened to ₹1.51,527 crore, against ₹95,770 crore a year earlier. Senior government officials have asserted that the Centre would meet the target of containing its 2025-26 fiscal deficit at 4.4% of gross domestic product, despite the rise in the fiscal gap in recent months. Capital expenditure jumped 28.2% in the first eight months of this fiscal from a year before to ₹6.58 lakh crore, thanks to the government's frontloading of such productive spending to spur economic growth. The government, however, tightened its revenue spending, which saw a muted 1.8% rise until November this fiscal to ₹22.68 lakh crore to avoid fiscal imbalance in times of a contraction in the net tax mop-up. In fact, excluding outgo on interest and subsidy, revenue spending dropped 4.4% between April and November. Consequently, total expenditure rose 6.7% to ₹29.26 lakh crore. Meanwhile, net tax revenue dropped 3.4% between April and November from a year before to ₹13.94 lakh crore. ❐

World Bank scales up FY27 India growth forecast to 6.5%

The World Bank recently upgraded its FY27 growth forecast for India to 6.5 per cent from 6.3 per cent projected in October last year on the back of firmer domestic demand and export performance, which has proved more resilient than earlier expected. Compared to its forecast in June last year, however, the growth projection for FY27 has remained unchanged. "India is expected to maintain the fastest growth rate among the world's largest economies. Despite higher tariffs on certain exports to the United States — which accounts for about 12 per cent of India's merchandise exports — the growth forecast has remained unchanged relative to June projections, primarily because adverse impacts of higher tariffs will be offset by stronger momentum in domestic demand and more resilient exports than previously anticipated," the World Bank said in its latest "Global Economic Prospects" report. Talking about the upside risks to the forecast, the report points to a possible resolution of trade disputes, including a partial reversal of American tariffs in several economies, including India. Bilateral negotiations to lower trade barriers and restrictions could lead to faster export growth and attract more foreign capital than assumed in the baseline, the World Bank said. "Business and consumer confidence could also be boosted, which would support stronger-than-expected increases in investment and consumption," it added. Another upside risk flagged is stronger investment in new technologies, including artificial intelligence, in India, which could lift productivity and employment growth faster than expected. Such gains are projected to raise India's potential growth and enhance the economy's resilience to external shocks. The international lending organisation expects growth to inch up to 6.6 per cent in FY28, underpinned by robust services activity, a recovery in exports and a pickup in investment. The report highlights that despite easier global financial conditions, growth in credit to the private sector has been restrained in several economies in the South Asian region, including India either by policies designed to contain financial risks or on account of weakened demand. "Credit growth has continued to be moderated in India by macroprudential policies aimed at containing banking sector risks, despite increases in financing from non-bank source," it added. Fiscal consolidation is projeced to continue in India over the forecast horizon, with the effects of tax cuts outweighing by a decline in current spending, resulting in a gradual reduction in the public debt-to-gross domestic product ratio. In India, surpluses in trade in services are expected to partly offset deficits in merchandise trade, while the inflation rate is expected to converge to the target for FY27 set by the Reserve Bank

of India, assuming stable seasonal conditions contain food prices. The global economy is projected to expand 2.6 per cent in FY27, down from 2.7 per cent in FY26, as front-loading fades and tariffs intensify, dampening trade and manufacturing. In particular, trade growth is set to weaken as firms scale back the accumulation of inventories. ❐

Share of southern States in FDI grows as IT inflows double

The doubling of Foreign Direct Investment (FDI) inflows into Information Technology (IT) sector in the first half of FY26 (H1FY26) helped the southern States of Karnataka and Tamil Nadu raise their share in total FDI even as Maharashtra and Gujarat saw their shares shrink. FDI into India stood at $35.2 billion in H1FY26 (April-September 2025), up 18% from $29.8 billion in the same period last fiscal, official data show. The FDI growth was driven by a twofold jump in inflow into the IT sector (categoriesed as 'Computer Software & Hardware') to $9 billion in H1FY26. With this, the sector's share rose up to 25% of the total FDI flow compared with 14% in the prior period. Maharashtra, still at the top position, saw a reduction in share of total FDI in H1FY26 to 30% vs. 45% ($10.6 billion). Gujarat's share halved to 6.4% while Karnataka with $9.4 billion and Tamil Nadu with $3.6 billion were at second and third spot in overall tally. FDI into e-commerce majors Meesho and Flipkart, from foreign promoter entities and investors, dominated the top deals. Large PE investments in Access Healthcare Services and Haldiram Snacks and investments by Ardour Investment Holdings in Adani Green Energy were also among the top deals. A $0.8 billion FDI into Raiden Infotech, a subsidiary of Google, for data centre business was another key FDI during this period. Madhavi Arora, chief economist, Emkay Global said the change in FDI shares of States was a function of India receiving more services FDI compared with manufacturing. GCCs and new-age technology firms were concentrated in the Southern states, especially Karnataka. Sectorally, the "Services" sector (which is said to include other service besides tecnology) and 'non-conventional' energy saw a decline in the FDI inflows in this half year. In terms of origin, Singapore led the way with a significant $12 billion invested accounting for 34% of the total FDI. The U.S. and Mauritius followed with $6.6 and $3.5 billion respectively. ❐

At 6.7%, Nov factory output highest in 25-month high

With boost in manufacturing and mining sectors, factory output measured by the Index of Industrial Production (IIP) grew by 6.7 per cent in November against 0.4 per cent in October, the government reported recently. The latest reading is the highest in 25 months. Experts feel that if this momentum continues for a few more months, recovery can be established. "Driven by 8 per cent growth in manufacturing sector, IIP recorded a 6.7 per cent year-on-year growth in November. The growth is led by manufacture of basic metals and fabricated metal products, pharmaceuticals and motor vehicles," a statement by the National Statistics Office (NSO) said. It added that mining sector growth at 5.4 per cent had also rebounded due to end of the monsoon season and strong growth in metallic minerals such as iron ore. Within the manufacturing sector, 20 out of 23 industry groups had recorded positive year-on-year growth in November. As per the use-based classification, the capital goods segment grew 10.4 per cent in November, up from 8.9 per cent in the year-ago period. Consumer durables grew by 10.3 per cent against 14.1 per cent growth in November 2024. Infrastructure/construction goods reported a 12.1 per cent expansion in November, up from 8 per cent in the year-ago period. According to DK Pant, Chief Economist with India Ratings & Research, all six use-based sectors expanded in November after a gap of nine months. More importantly, the consumer non-durables sector grew 7.3 per cent, the highest in the last 25 months. High consumer non-durables growth, post the festive season, suggests that all the inventories have been exhausted. ■

Textiles sector sees over ₹60,000 crore in 2025

The textiles sector saw commitments and investments of over ₹60,000 crore in 2025, said government officials. They hope the trend will continue in the current year too.

"2026 is likely to see a continued focus on investments through PM MITRA and PLI (production-linked incentives). In addition, a strong emphasis on sustainability and technology-led investments, such as those in textile-to-textile recycling, biomass energy and decarbonisation new-age fibres and eco-friendly fibres, will continue," said an official.

According to him, one of the key initiatives, PM MITRA Park projects, alone attracted committed investments of over ₹14,000 crore with a potential of generating 38,426 jobs, while investment interest for an additional ₹10,000 crore was received by the authorities.

"These included investments by major players such as Vardhman, Trident, Best Corp and Bhilossa," he said.

Announcing the PM Mitra Park scheme in the FY21 Budget, Finance Minister Nirmala Sitharaman said: "To enable the textile industry to become globally competitive, attract large investments and boost employment generation, a scheme of Mega Investment Textiles Parks (MITRA) will be lauched in addition to the PLI scheme. This will create world-class infrastructure with plug-and-play facilities to create global champions in exports."

Talking about the production-linked incentive (PLI) scheme, the official said 85 companies had applied under the revamped scheme, with potential investments of over ₹20,000 crore.

On the FDI front, there have been a number of proposals.

Finland-based Infinited Fiber Company signed an MoU with Andhra Pradesh for an investment of ₹4,000 crore. Singapore-headquartered RGE (Royal Golden Eagle), a big player in man-made fibres, announced a ₹4,953 crore investment to set up its first project in India at Thoothukudi in Tamil Nadu. South Korean giant Hyosung is setting up a $220 million (₹1,850 crore) tire cord facility in Maharashtra. ■

Cotton trade body raised crop estimate by 2.5%

The Cotton Association of India (CAI), the country's apex trade body for the fibre, has raised the crop estimate for the 2025-26 season (October-September) by 2.5 per cent or 7.5 lakh bales (of 170 kg each) to 317 lakh bales on higher than estimated production in Maharashtra and Telangana.

CAI has projected a year-end surplus of 122.59 lakh bales for the 2025-26 season, up 56 per cent year-on-year on record imports of 50 lakh bales during the year.

Based on the feedback from various State bodies, CAI has projected an increase of 3 lakh bales in Maharashtra, 4.5 lakh bales in Telangana, 1 lakh bales in Karnataka and 0.5 lakh bales in Tamil Nadu.

Decline in M.P.

Also, the trade body expects a decline of 1 lakh bales in Madhya Pradesh and 0.5 lakh bales in Odisha.

In a statement, CAI President Vinay Kotak said the consumption during the current season 2025-26 ending September is estimated at 305 lakh bales, a tad lower than 314 lakh bales a year ago.

Till December-end, the consumption was estimated at 76.25 lakh bales.

The duty-free import windown provided by the government till December 31 last year prompted the trade and millers to import 31 lakh bales.

Export estimate cut

CAI has cut the cotton export projections by 3 lakh bales to 15 lakh bales during the 2025-26 season from 18 lakh bales in the previous year.

Till December-end, about 4.5 lakh bales had been exported.

CAI sees a total supply of 427.59 lakh bales during 2025-26 against 392.59 lakh bales a year ago.

Total supply this year comprises an opening stock of 60.59 lakh bales, pressing estimates of 317 lakh bales and imports of 50 lakh bales.

Total surplus at the end of the 2025-26 season, ending September, is projected to be 122.59 bales, higher by around 56 per cent over the 78.59 lakh bales last season.

Closing stocks for the 2025-26 season is projected at 07.59 lakh bales, up 77 per cent over 60.59 lakh bales last season. ■

Brands launched their year-end sales to clear winter inventory

Apparel brands have launched their year-end sales earlier to resolve piled-up inventory, and offset the sluggish demand for winter garments.

Fashion brands like H&M, Uniqlo, Levi's and Marks & Spencer, along with multibrand retailers like Lifestyle and e-commerce websites, launched their year-end sales as early as mid-December.

"This was a two-pronged departure from usual practice. Usually, festival sales start closer to Christmas or New Year, but this year they started almost two weeks before that. This also meant that there was not much gap between the year-end festival sale and the Black Friday, which was held on November 28," a merchandise executive at a gloabl apparel brand who did not wish to be named told reporters.

Industry sources said that while some brands launched a year-end sale for the first time this year, others were putting a higher volume of merchandise on up to 50 per cent off.

"The market is slow this year, which is also evident in the sluggish demand for winterwear in the northern regions. Retailers expected winterwear to sell well, because of the weather predictions, but that didn't happen," said another executive at a global fashion brand. The rate cuts in goods and services tax (GST), announced in September last year, have also failed to spur consumption as expected, he added.

In September the government revised the GST rates on apparel and prices of items up to ₹2,500 came down by over 6 per cent, while garments priced above that turned costlier as the GST rate rose to 18 per cent from 12 per cent.

"We expected sales to go up significantly after the GST cuts were announced, but that didn't really happen. Despite a longer Black Friday sales window, demand did not intensify. This prompted us to launch our year-end festival sales earlier," the executive added.

While temperature are expected to go up in January, it is also the month of Republic Day sales — a major sales occasion in the country.

"Only January presents a very small window to brands and retailers to sufficiently liquidate their inventory. They have to ensure that they manage to sell at least 50 per cent of their winter stock in December for the supply chain to move in an optimal manner," the executive further said.

Brands also start to launch their spring-summer collection in stores around Republic Day.

"Sales were also pushed to ensure that inventory does not pile up later in the year and new-season launches see a good momentum," the merchandising executive said.

New brands that entered the Indian market this year are taking this in their stride. "We realise there is more demand for medium weight winter apparel instead of heavy jackets and trench coats. It is a lesson for the next winter season," an industry executive said. ■

Foreign fashion brands see muted growth

It's mostly a tale of two halves for top western fashion labels in India after the runaway sales and retail expansion in the years soon after the pandemic.

While Marks & Spencer, Benetton, and Adidas are battling waning demand, Uniqlo and Nike are gaining fresh ground, reflecting wider choices and increasingly discerning buyers in one of the world's fastest-growing consumer economies.

Spanish brand Zara is facing stagnant growth while it tapered off at Apparel Group, which sells Aldo, and Charles & Keith brands in India. Experts termed the divergent sales performance as a potential structural shift instead of demand slowdown in India's fashion and lifestyle market.

Devangshu Dutta, founder of retail consulting firm Third Eye-sight, said consumers have clearly shifted towards function, even as trend-led brands continue to exist though they tend to be comparatively smaller. Some brands are also finding it harder to set or even follow trends the way they once did.

"This is especially true for Gen Z, which stays closely tuned to global trends and acts as the primary driver of fashion adoption," said Dutta. "While older consumers may have greater spending power in absolute terms, it is younger shoppers who shape trends and influence product sales."

Growth slowed across most leading retailers and fast-fashion brands in the country in FY24 as high inflation and stagnant incomes crimped discretionary spending.

While the trend remained the same for many even in FY25, select brands staged a strong rebound. For instance, Nike India's sales rose 16% in FY25, up from a 4% increase in the previous year, while Uniqlo accelerated growth to 45%, from 31% in FY24. ■

Indian Silk House expanding its footprint rapidly

In the last two years, we have opened a store every 14 days, declares Darshan Dudoria, CEO of Indian Silk House Agencies, the storied 52-year-old saree retail chain from Kolkata that is expanding its footprint rapidly.

Last fortnight, the store known for its extensive silk range and wide artisan network opened its first store in Delhi — aptly enough at the luxurious Omaxe Mall in the historic Chandni Chowk area.

"We now have 59 operational stores and there are several more stores where interiors are happening. So, we will have 64 plus stores across 57 cities in 13 states. Moving forward, we are looking to open a store every 10 days," says Dudoria, the third generation in the family business started on his mother's side.

He feels the time is right to scale as there is a lot of investor attention now — the reason being the branded saree segment has seen a CAGR of 34 per cent in the last few years. If you include the unorganised sector, sarees are a ₹80,000 crore market now.

Growing Shift

Quizzed about the 34 per cent branded sarees growth figure, Dudoria explains that it is extrapolated from a Technopak report which says that branded women's Indian wear market is growing at a CAGR of 34 per cent as there is a growing shift from unorganised to organised, as well as the fact that online penetration of branded women's wear has grown at a rae of 66 per cent in the last five years.

The report says that the share of organised retail in women's apparel, which was 19 per cent in FY2015 jumped to 27 per cent in FY2020, and is expected to reach 42 per cent by FY2025.

"The model we have taken is to expand more into tier two and tier three cities a little bit more," says Dudoria, describing how they are in places like Sambalpur in Orissa, Angul Gaya and Begusarai in Bihar, Jabalpur in Madhya Pradesh and Bilaspur in Chhattisgarh.

"The dream is to get to 400 stores by 2030," he says.

"At the same time, we are looking to expand overseas also as we feel there's a huge diaspora market," he says.

Major Driver

Weddings are a major driver for saree sales, says Dudoria. "About 35 per cent of what we sell would be around weddings. Data also suggests that 70 per cent women buy sarees for an occasion," he says.

Any particular type of sarees that are trending now? "Kantha work has come back in fashion in every form and manner — as art, wall hangings, *dupattas* and sarees," says Dudoria.

Tussars are always in vogue and a silent winner, but we suddenly see net and organza sarees are trending," he says.

But the biggest, uptake, he says, is in pre-draped sarees. ■

Textile Ministry likely to ge ₹1,100 crore from Cotton Productivity Mission

The Ministry of Textiles is understood to have prevailed over other departments to secure more than one-fifth of the proposed ₹6,000 crore outlay for the Cotton Productivity Mission, which is awaiting the Cabinet's approval almost 11 months after its announcement.

"Though it is called a productivity mission, the Indian Council of Agricultural Research (ICAR) will receive less than 10 per cent of the funding, yet carry the entire responsibility for delivering results — starting with preparing the Cabinet note," said a former senior scientist of ICAR's Cotton Research Centre in Nagpur.

He recommended a basmati-style intervention to popularise cotton varieties, arguing that the Textile Ministry should act as a bridge between ICAR and user industries instead of seeking a larger share of funds.

More importantly, he said, farmers need to be reassured — through action, not statements — that imported cotton does not undercut domestic prices, pointing to the current duty-free import window available until December 31.

The Textile Ministry's earlier proposal to use the Mission's funds for modernising factories was opposed by the Department of Expenditure and NITI Aayog, sources said. However, the Expenditure Finance Committee has now agreed to allow the Ministry to utilise up to ₹1,100 crore (22 per cent), they added.

The Department of Agriculture and Farmers' Welfare is likely to receive the largest share — over ₹4,000 crore (69 per cent)— while ICAR may get less than ₹600 crore (9 per cent) for the Mission's five-year implementation period.

In her 2025-26 Budget speech, Finance Minister Nirmala Sitharaman announced the Mission "for the benefit of lakhs of cotton-growing farmers," aimed at driving significant improvements in productivity and sustainability, and promoting extra-long staple varieties. She said the initiative, aligned with the government's 5F vision — farm, fibre, factory, fashion and foreign — will help raise farmer incomes and ensure a steady supply of quality cotton to revitalise the textile sector.

India's cotton output in 2025-26 fell for the third consecutive year to 29.22 million bales (170 kg each), down from 29.72 million bales in 2024-25.

Cotton acreage has shrunk by 2 million hectares over the last four years, while average yields remain below 5 quintals per hectare, far lower than the global average of 9 quintals and the US average of 10 quintals. ■

Cotton farmers seek urgent focus on yield-related issues

Cotton farmers in Telangana are struggling to get the minimum support price (MSP) of ₹8,110 a quintal as unseasonal and heavy rains have affected the quality of cotton. Jaipal, a cotton grower, said the farmers get just ₹7,800 for a quintal in the market.

"The famers are getting just about five quintals [one quintal amounts to 100 kg] an acre, where they should have gotten 8-12 quintals. That is the reason we are incurring losses," says Jaipal.

The Cotton Corporation of India (CCI) has purchased more than 45 lakh bales of cotton this year, since October 1, from the farmers at MSP.

While the farmers who meet the norms of the CCI get the MSP, there are many who are unable to meet the quality standards and also the other norms that the agency prescribes. For instance, in Tamil Nadu, CCI procurement from cotton farmers is nil.

"The daily arrivals are approximately 2.5 lakh bales. Last year, the CCI purchased about 38 lakh bales of cotton at MSP during the first 2.5 months of the season. This year, it has crossed 45 lakh bales. We expect to buy close to 125 lakh bales this cotton marketing season," said Lalit Kumar Gupta, Chairman and Managing Director at the CCI.

The CCI purchased 100 lakh bales of cotton at MSP during the 2024-2025 cotton season.

While the quality of cotton that arrived in the market in October and November was poor because of unseasonal rains in the cotton growing regions, the quality had improved now, Mr. Gupta said.

According to the textile industry and cotton traders, quality is an issue this year because of the rains.

While the textile industry is demanding removal of import duty on cotton, it is also urging the government to address the issues related to cotton yield and seed quality.

Indian MSP for cotton is at least 10% more than international prices. But, area under cotton in 2025-2026 is 3.5% less than last season and the crop size is 1.7% lesser.

The average yield is 448 kg per hectare which is one of the lowest globally, said souces.

At least 20 countries are having higher yield. For the yield to imporve, seed technology and agronomy research need urgent focus so that cotton productivity increases and cotton growers get better earnings, said stakeholders in the cotton sector. ■

Open-end spinning mills in TN trim output by 50%

Open-end spinning mills, numbering over 600 in Tamil Nadu, have cut their production by 50 per cent in an effort to improve profitability and market conditions.

The mills are facing losses as prices of cotton waste, which is the main raw material for them, have increased amid a fall in cotton and yarn prices, said G Arulmozhi, President, Open-End Spinning Mills Association (OSMA).

Tamil Nadu's open-end spinning mills produce about 25 lakh kg of cotton grey yarn and 15 lakh kg of coloured yarn daily. "This crisis echoes recent reports of mills halting operations due to similar cost pressure," he said.

Cotton prices have dropped from ₹60,000 per candy (356 kg) in October to ₹53,500 in December. "Yet, cotton waste like comber noil (short-fibre byproduct from the cotton combing process in yarn manufacturing) rose from ₹100/kg to ₹113. Open-end yarn prices also fell, with 20s weft from ₹150/kg to ₹140/kg and 20s warp from ₹165/kg to ₹158," said Arulmozhi.

Open-end mills rely on waste cotton for grey yarn, but hikes of ₹15/kg have eroded margins. "Daily output losses could exceed ₹10 crore during full halts, affecting powerloom and handloom suppliers," he said.

OSMA is demanding that the cotton waste price be controlled, and that the State government reduce electricity tariffs. Also, the Centre should curb the export of cotton waste to stabilise the sector. "The scaling back of production to 50 per cent of the capacity is to avoid further losses until cotton waste prices align with falling cotton values," the OSMA President said.

Cotton waste comber noil is exported in huge volumes, and if this is made available in the domestic market, it could be used for "made-up" products that would benefit cities such as Karun in Tamil Nadu and Panipat in Haryana. These cities can ship value-added products.

"Instead of exporting a product at ₹100 a kg, we can do value-add and export at ₹1,000/kg and get more foreign exchange," said Arulmozhi. Also, the exports of these have resulted in a shortage of raw material for open-end mills, he said. ■

REJUVENATING WALL PAINTINGS OF SHEKHAWATI REGION

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Abstract

Indians can proudly claim to have the widest possible range of art and craft in every aspect, such as wall paintings of Rajasthan. Wall paintings of Rajasthan are great source of inspiration and national heritage and are in dilapidated condition and facing hard time thus it is important to safeguard them and to bring them in the limelight. Hence in the present study an attempt is made to rejuvenate monumental wall paintings of Shekhawati region of Rajasthan.

Introduction

There has been a gradual extension of various art styles in India from ancient to present time. One of them is painting which has a significant role in heritage, it owns eight place in the sixty-four traditional art forms, and it could be done on any type of surface whether it is canvas, paper or wall. Amazing craft work of wall paintings can be witnessed at wall of Shekhawati region of Rajasthan hence it is call open art gallery.

Wall paintings of Shekhawati region of Rajasthan is a treasure for mankind, which is a great mixture of art and science, it flourished during 15 to 16 century and now practically every niche and corner exterior or interior of each mansion in Shekhawati region, are adorned with wall paintings. These wall paintings were highly laborious task, and has tremendous heritage value, hence Indian and International tourist visit it for inspiration. Therefore in present paper technique and equipment involved in wall paintings, painting styles, colors used, brushes, damage, motifs and future scope will be discussed.

1. Technique of wall painting

1.1. Preparation of wall for painting: can be consist of bricks or with stones, with little roughness but without any cracks this process of selecting and preparing it for further use is called "Jamin Bandhana" and to make wall further instruments are required.

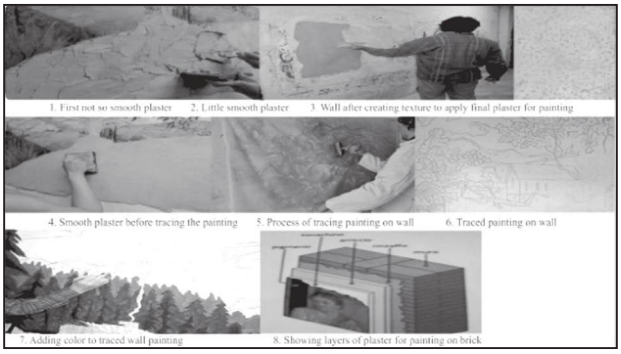

Fig 1. Steps of wall preparation for painting

Table 1 Instruments required to prepare wall before painting

S.No.	Tool	Use
1.	Guniya	To take measurements
2.	Batkada	To make first plaster even
3.	Karni	To mix ingredients
4.	Khunchi	To make wall wet
5.	Zawa/ Jinki	To make plaster even
6.	Kharal	To make plaster smooth
7.	Gurumala	To make lime layer even
8.	Nela	To fix colours
9.	Ghoti	To give marvel like effect
10.	Potli	For tracing the design on wall
11.	Bajari	River sand
12.	Kada	Thick third layer of plaster

To make wall appropriate for painting plaster should be consist of ¼ of "Kali" (lime) and ¾ of "Bajari". Plaster is then evenly applied on wall with a "Karni" and "Batkada". First layer of Plaster should not exceed two cm. Next coat of plaster is grounded with "Jinki" then with "Kharal" which has a thickness of 10 mm consists of Kali and sugar, then 3rd layer is applied which is called "Kada" which is 5mm thick. Final layer of plaster is consist of fine lime dust, "Chhach" (butter milk) and "Guda" (Jaggery), this layer is 1mm thick which is applied with "Khunchi" then burnished and perfectly layered with "Ghoti" but the glazed should not be add at this time whether it is fresco bunno or fresco secco.

- *Fresco Bunno:* paintings done on fresh and wet plaster wall
- *Fresco Secco:* painting done on dry plaster wall

1.2. Transferring design: the design is drawn with a stencil called "Khaka" when the top layer is damp. The design is made on paper then pricked with a medium size needle, then placed against a wall rubbed with a small muslin bag filled with charcoal dust or with "Neel" (blue) then out line is map out.

1.3. Brush making technique: it is difficult to find appropriate brushes for wall paintings hence artist needs to make their own brushes, for large brushes stiff hair of swine is used and for finer one hair of squirrel tails are used.

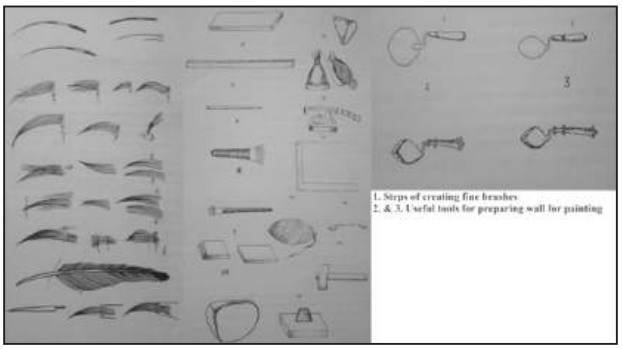

Fig 2. Steps of preparation for brush and tools used for preparing wall for painting

1.4. Technique of colour extraction: only colors derived from natural sources like stones, plants or insects are used for wall paintings. To make coloring process less tedious colors are normally preserved in the dried form. To make, colors raw materials are grounded on a stone slab with the help of a thumb and filtered with water many times then left to dry and preserved in the form of balls and at the time of painting colors are again diluted with water.

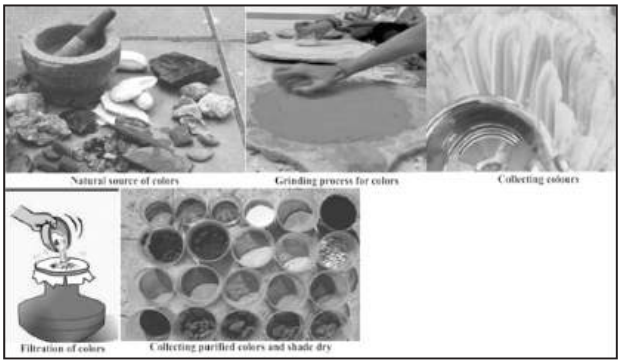

Fig 3. Steps of preparing colours

Table 2. Colours and their sources

S.No.	Colour	Source
1.	Khadiya (White)	Soil (Mineral)
2.	Hirmich (Red)	Soil (Mineral)
3.	Haritaal (Dark yellow)	Stone (Mineral)
4.	Singhrakh (Dark orange)	Stone (Mineral)
5.	Sinduri (Light orange)	Bixa Orellana pods (Vegetable)
6.	Laakh (Brown)	Kerria lacca insect (Animal)
7.	Kamidana (Pink)	Insects (Animal)
8.	Kajal (Black)	Charcoal (Mineral)
9.	Laajverdh (Blue)	Sumatrana leafs (Vegetable)
10.	Raag Ki Hilkari (Silver)	Chandi (Metal)
11.	Sone Ki Hilkari (Golden)	Gold (Metal)
12.	Hansraaj (Green)	Stone (Mineral)
13.	Pevri (Light yellow)	Multani Soil (Mineral)
14.	Higlu (Light green)	Neem leaves (Vegetable)

1.5. Theme, style and contain of wall paintings: the thematic content is the most important part of Shekhawati wall paintings, major subject of paintings are mythological but flowers and geometrical motifs are also witnessed in background of wall paintings, also life of contemporary era and their social political scenario can be seen in wall paintings of Jhunjhunu district of Shekhawati region.

Table 3. Details of motifs

Dominating Motif Type	Dominating Motif Theme	Dominating Motif Concept
Floral, Foliage	Mythology	Dhola maru, Dingal pingal, khuman raso
Figurative	Nature	Birds, Animals, leaf, flower
Mixture of floral foliage and figurative	Day to day life	Cooking, getting water from wells, farming
Stylized	Religious	Ramayan, Mahabharat
Simplified	History	War, past events, past developments and innovations
Geometrical	Royalty	Portraits of royal family members

1.6. Present condition of wall paintings: this highly exquisite art of wall painting is the treasure for the artist and designers who draw inspiration, unfortunately this treasure is suffering from the shackles of time & the paintings are deteriorating day by day due to water and salt reaction, vegetation, moisture/humidity, microorganisms, minerals, micro flora, fungus, bacteria, algae, weed, insects, animals, bet and birds, harsh

REJUVENATING WALL PAINTINGS OF SHEKHAWATI REGION

lights, humidity, high temperature, harsh dry wind, air pollution, vibration, fire and unwanted social elements. Construction process of these wall paintings are very scientific and extremely laborious work as well as colorful, and appealing but this kind of work is not available on other surfaces. Therefore it is necessary to documents these wall paintings and also to transfer them to any other widely spread medium, so that this heritage can be transferred to further generations.

Fig 4. Damaged wall paintings

2. Methodology

The present study fall into the category of qualitative approach of research design. Present study was carried out in Phases, first phase includes collection, documentation and modification of wall paintings. Second phase includes development of product inspired by wall paintings. Motifs were collected from wall paintings of one museums and one fort of Jhunjhunu city of Shekhawati region of Rajasthan. For qualitative approach observation method and rating scales were used. Visuals in the form of photographs & source boards & mood boards and design sheets for development & selection of motif designs are used in research.

PHASE I

2.1. Collection, documentation, documentation, screening and extraction of Wall Painting and Screening

Monument neither preserved by central nor by state government but still most visited monuments by tourists were selected for study, hence two monuments from one city of Shekhawati region was selected which include one fort and one museum. At the time of visiting monuments, pictures were clicked with Nikon Coolpix L340 DSLR and source boards were made with those pictures to document date, region, city and condition of monuments during the period of visit.

Wall paintings were observed through **visual examination** and details were **documented** with the help of **check list**, then **collection** of wall paintings was done with camera without flash light effect. After that all hazy, blur and inappropriate motifs were discarded through **screening**. After screening of wall paintings next task was to get as many as possible textile applicable motifs from those wall paintings therefore **extraction** of motifs were done with the help of corel draw software by using eraser tool. Also it was kept in mind that, significant feature of wall paintings should be kept intact.

After the extraction of motif designs **mood boards were prepared** for **selection** of most **appealing motifs** with the help of **five point rating scale** through **experts** for **textile application**.

PHASE II

2.2. Motif modification, Development of design

Subsequently the outline of best ranked motifs by experts were redrawn on corel draw X5 software in multiple layers on wire frame mode. Afterward **three color scheme** were created for each selected motif design. Again to select **appropriate color scheme of motif designs and to select appropriate textile products** same panel of experts were approached with five point rating scale.

After the selection of color schemes, every motif design was **recreated in three ways with preferred color combination and in progressive intricacy**. A final selection of motif design units was done by experts, on a **5 point rating scale** for selected product category. In the same tool experts were asked to choose right **prototype of clothing** products with **ordinal scale**.

Next experts were asked to **choose right repeat of that motif design unit** from **four types of repeats**. With the same tool experts were asked to give **suggestions** regarding **appropriate placements for the motif design unit**.

Pantones shade card colors forecasted for year 2021-2022 were used along with **2D prototype design and repeat & placement of motifs was kept as responded by judges** in previous rating scale. After that, for every motif design unit selected three dress designs were created in 2 D form and printed on paper.

Sixty designing students of three different designing colleges were approached to select **preferred color of dress** with the help of Pantones shade and **preferred silhouette of dress**. For that a 5 point rating scale was used along with combination of motif design units and 2D layout for dress.

PHASE III

2.3. Development of clothing with wall painting motifs to see its future potential

Flat pattern of selected dresses were cut on brown paper as per the **standard measurement**. After that **motifs placement layout** was made through **Corel draw** according to flat pattern measurements and motifs were arranged according to selected placement design. **After printing fabric was cut with the help of flat pattern and stitched in selected silhouettes**.

List of exhibitions were withdrawn through internet in Jaipur city. Most suitable exhibition was short listed and organizers were approached. After confirming the validity of exhibition a **stall was booked**. After that, **developed products were exhibited** for 2 days and response of visitors, were collected through **5 point rating scale** also respondents were asked if they would like to **purchase exhibited products** through a **questionnaire**.

3. Results

Inspiration for designing was taken from one region one city two monuments of Rajasthan which was *Mandawa* fort and *Podhar Haveli* it was also observed at the time of visit that, *Mandawa* fort of Jhunjhunu district has less damaged wall paintings in comparison to *Podhar Haveli* monuments of *Shekhawati* region. *Mandawa* wall paintings were having a huge color palate of five to ten colors. With use of five colors and quality of shading one can get an illusion of having, more than ten colors. Whereas *Podhar Haveli* show less use of shading otherwise both have almost same color palate. Also, one source board was created from Shekhawati wall paintings showing both monuments *Mandawa* fort and *Podhar Haveli* to keep the track of source of inspiration and its condition at the time of visit.

Fig 5. Source board

Fourthly five photographs were clicked from Mandawa fort and *Podhar* Haveli of Jhunjhunu city of Shekhawati region. Thirty four clicks were from Mandawa fort and eleven clicks were from Podhar Haveli. During screening eight clicks of Mandawa fort were discarded. Hence from twenty six clicks, twenty five motifs were extracted is three categories fifteen floral, five figurative, three floral foliage & figurative from Poddar Haveli no motif was discarded nine were sorted for mood boards eight in floral category four in figurative category. Hence out of extracted thirty four experts selected only seven motifs for further use, out of which six were floral and one was figurative all were from Mandawa fort and no motif got selected by experts from Poddhar Haveli.

Then color modification was done hence every motif was having three color scheme means twenty one motifs were developed for selection of color scheme. Four floral motif got selected in original color scheme with same colors. Two floral motifs were selected in third color scheme and one figurative motif selected in original color scheme. Also expert selected clothing to develop these wall painting motifs by giving a rating of twenty three out of fifty.

After that, for every motif three motif unit were developed and six motifs of floral category were selected by experts with given units. Three motifs got selected with first and third unit. One motif got selected with first and second unit. One with third unit one in second unit. One figurative motif got selected with first unit.

Experts equally choose shirt style one piece, off shoulder with narrow straps and A line dress to produce clothing with monumental wall painting motifs. Experts were also asked to select appropriate repeats for same motifs hence rectangle repeat got selected for two floral motifs, three for single repeat, one for line repeat and one for drop repeat. Also rectangle repeat got selected for only figurative motif.

In the same annexure placement for motif were asked therefore combination of border and all over placements got selected for one motif, similarly combination of all over and center front placement got selected for one motif, combination of border and center front for one motif. Three motifs got selected for center front and only one figurative motif got selected for panel placement.

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Design student selected, off shoulder with narrow straps dress for five floral motifs and A line dress got selected for one floral motif. Also for single figurative motif A line dress got selected.

After selection of motif design unit, color scheme, product prototype and garment color, pattern making was done fabric layouts were created to make the product cost effective. Subsequently garments were stitched with standard measurements. Participation in exhibition was done for marketing of developed products. Where for the acceptability consumers were asked to rate products with the help of rating scale and it was observed that, floral motifs are most dominating in Shekhawati region. Also figurative motifs got high acceptance among consumers. Three floral motifs developed on off shoulder with narrow strap dresses got hundred percent acceptance and three floral motifs developed on off shoulder with narrow straps dresses got more than eighty five percent acceptance among consumers. One figurative motif developed on A line dress got hundred percent acceptance among consumers.

Around 98% respondents prefer to purchase exhibited garments for them self's. Similarly when it was asked to respondents would they like to purchase exhibited garments for friends and family members, almost 96% said yes. 91.6% respondents show interest in purchasing developed products with wall painting motifs. 95% respondents find wall paintings motifs made fabric more appealing. Also 78% respondents believe that, such prints should be applied to other textiles too.

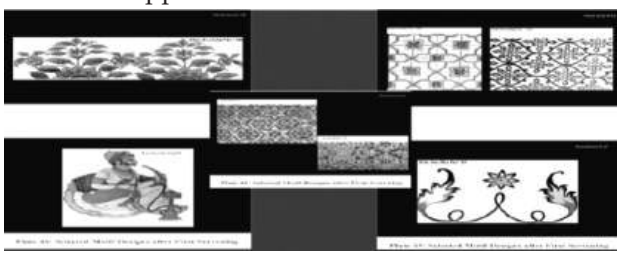

Fig 5. Selected motifs

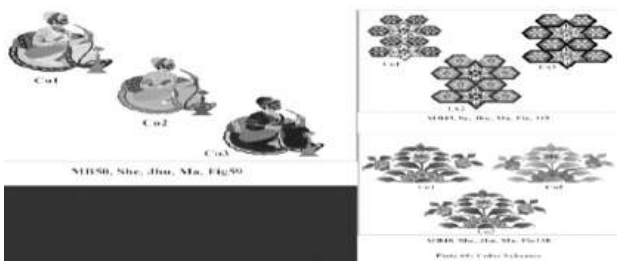

Fig 6 Example of color creation

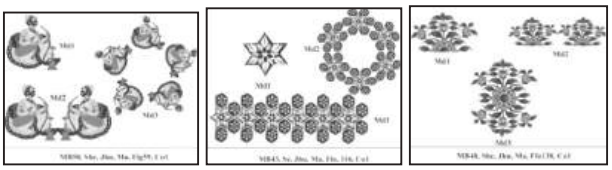

Fig 6 Example of motif unit creation

Fig 7 Developed product of wall paintings

Conclusion

Present study show potential of traditional designs, therefore when monumental wall paintings were introduced on fabric, it showed high level of satisfaction among consumers, and was highly accepted by them. Not only that, but also a treasure of amazing inspirational sources was saved for future generations, and documented. Majority of wall paintings were older than 16thcentury and with the help of CAD these are preserved as a source of inspiration. These wall paintings are not in favorable conditions, and to restore them it require a lot of funds and human resources and in lack of it they got vanish with time. Thus in present study forty five wall paintings were documented, from these forty five wall paintings thousands of motifs can be created.

One documented motif was not even the dominating style of motif of that region, got selected and also show high acceptance among consumers hence dress created with that motif was ordered by consumers. Present study shows these wall paintings not only have potential to decorate any surface but also show high acceptance among consumers.

Study also found that, these motifs don't even need much modifications because they are most acceptable in their original colors and designs. Applying them on textile will satisfy the urge of new designs of textile industry. ■

THE ROLE OF ARTIFICIAL INTELLIGENCE IN TEXTILE DESIGN: A COMPREHENSIVE ANALYSIS OF ITS APPLICATIONS, BENEFITS, CHALLENGES AND FUTURE PROSPECTS

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Abstract

This comprehensive exploration delves into the transformative impact of Artificial Intelligence (AI) on the textile industry, encompassing both manufacturing and design domains. The integration of AI in textile manufacturing, marked by automation, predictive maintenance, and supply chain optimization, leads to heightened efficiency, reduced operational costs, and a paradigm shift in production methodologies. The study unveils how AI revolutionizes textile design through pattern recognition, virtual prototyping, and customization, fostering a creative renaissance that aligns with evolving market trends and consumer preferences. Challenges such as initial investment costs, data security concerns, and workforce upskilling are acknowledged, but the narrative underscores their role as catalysts for industry evolution. The study foresees a promising future where advancements in AI-driven robotics, integration with the Internet of Things (IoT), sustainable production practices, and waste reduction efforts redefine the textile landscape. The symphony of interconnected systems guided by AI's intelligence resonates with harmony, crafting an agile and responsive industry that thrives on innovation and environmental consciousness. Ultimately, the interplay between AI and textile design is depicted as a force reshaping the industry, offering transformative possibilities that extend beyond tradition. The tapestry of the textile industry, guided by AI, becomes an ever-evolving canvas where every thread spun holds the promise of innovation, efficiency, and environmental sustainability.

Keywords: Textile Industry, Artificial Intelligence (AI), Efficiency, Innovation, Challenges.

1. Introduction

In the ever-evolving landscape of global economics, the textile industry occupies a pivotal role, serving as a critical link between consumer demands, fashion trends, and economic growth. Its multifaceted nature, encompassing fabric manufacturing, design innovation, and supply chain logistics, renders it highly susceptible to the winds of change brought about by technological progress (Brown & White, 2018). Within this context, the advent of Artificial Intelligence (AI) has unfurled a tapestry of transformative possibilities that reverberate throughout the textile value chain (Garcia & Martinez, 2019). AI's integration into the textile industry has engendered a paradigm shift, where traditional methods intersect with cutting-edge technology to unlock new dimensions of efficiency, precision, and creativity (Brown & Garcia, 2020). This study embarks on a journey to unearth the multifarious ways AI permeates the textile design domain, unravelling its profound implications and promising potential (Smith & Johnson, 2020). By embarking on this exploration, we aim to cast light on how AI stands as a catalyst for redefining established norms and reshaping the textile industry into an agile, data-driven powerhouse that thrives on innovation (Johnson & Brown, 2021). Within this narrative, we shall navigate through the intricate web of AI applications, delving into how it streamlines production processes, empowers designers with unprecedented insights, and orchestrates the intricate dance of supply chain orchestration (Thompson & Martinez, 2023). As we venture deeper, the manifold implications of AI's presence will come to light – from elevating the quality of manufactured textiles through real-time defect detection to ushering in a new era of sustainable practices and personalized consumer experiences (Roberts & White, 2020). By meticulously peeling back the layers of AI's influence, this study seeks to not only expound upon the tangible advantages it offers but also confront the challenges that lie in its wake (Anderson & Davis, 2023). The profound symbiosis between human ingenuity and machine intelligence is a double-edged sword, demanding introspection into issues of privacy, security, and the socio-economic ramifications of an automated future (Smith, 2021). As the textile industry navigates this uncharted territory, it does so with a dual lens: one focused on harnessing the transformative power of AI and the other keenly attuned to the ethical, legal, and human implications it poses (Johnson & Williams, 2023). This study embarks on a profound exploration into the interplay of AI and textile design, where technological evolution intersects with the aesthetic, functional, and commercial dimensions of textiles (Smith, 2023). Through a meticulous examination of AI's applications, challenges, and potential, we endeavour to illuminate a path forward that celebrates the marriage of human creativity and machine prowess (Brown & Garcia, 2020). As

the threads of AI continue to weave their way into the fabric of the textile industry, our pursuit of understanding and harnessing this dynamic force becomes an endeavour of paramount significance (Anderson & Davis, 2023).

2. AI Revolutionizing Textile Manufacturing

In the landscape of textile manufacturing, the convergence of artificial intelligence (AI) and robotics has sparked a paradigm shift, redefining traditional production methodologies (Johnson & Williams, 2023). Through the deployment of AI-driven automation and robotics, the sector has witnessed a remarkable transformation that transcends conventional limitations (Brown & Garcia, 2020). The crux of this transformation lies in the capability of smart systems to seamlessly undertake repetitive and intricate tasks (Thompson & Martinez, 2023), navigating the intricate web of textile production with unparalleled precision, consistently upholding stringent quality control measures (Anderson & Davis, 2023). By relieving human operators from mundane tasks, AI-powered automation optimizes labor resources and reallocates them towards more strategic and creative aspects of production (Smith & Williams, 2022), elevating the overall quality of manufactured textiles and accelerating production timelines, thus propelling the industry towards enhanced efficiency (Johnson & Brown, 2021). Furthermore, the integration of AI-powered robotics into the textile manufacturing framework has unleashed an era of predictive control (Johnson & Williams, 2023), with systems equipped with sophisticated algorithms analysing vast swathes of real-time data emanating from the production process (Smith & Johnson, 2020). This analytical prowess allows these machines to discern potential machinery failures before they transpire, obviating the spectre of downtime (Anderson & Davis, 2023), and pre-emptively scheduling maintenance activities based on data-driven insights, manufacturers can curtail operational disruptions and optimize resource allocation (Johnson & Williams, 2023), resulting in a significant reduction in operational costs bolstered by streamlined maintenance schedules and improved machine longevity (Johnson & Brown, 2021). One of the cornerstones of AI's transformative role in textile manufacturing is predictive maintenance (Anderson & Davis, 2023), leveraging AI algorithms to amass and process colossal volumes of data generated by textile machinery (Johnson & Williams, 2023). Through nuanced analysis, these algorithms discern subtle patterns that often precede equipment malfunctions or failures (Smith & Johnson, 2020). By harnessing this predictive prowess, textile manufacturers can shift from a reactive maintenance paradigm to a proactive one (Anderson & Davis, 2023), where traditional approaches often lead to costly downtime, as repairs are undertaken after a machine has already broken down (Thompson & Martinez, 2023). Predictive maintenance, on the other hand, employs AI to forecast potential issues and triggers maintenance activities in advance (Anderson & Davis, 2023), substantially reducing downtime, optimizing maintenance schedules, and subsequently minimizing operational costs (Johnson & Williams, 2023), ensuring the longevity of machinery and paving the way for uninterrupted production, thereby bolstering the sector's competitiveness (Johnson & Brown, 2021). The integration of AI into textile manufacturing is not confined to the factory floor; it extends its transformative reach to the intricacies of supply chain management (Thompson & Martinez, 2023), where the traditional supply chain, replete with complexities and uncertainties, has found a reliable ally in AI-driven optimization (Thompson & Martinez, 2023). At the heart of this transformation lies the ability of AI algorithms to process and analyse vast troves of data spanning inventory levels, demand forecasts, production schedules, and market trends (Thompson & Martinez, 2023), empowering manufacturers with insights that foster informed decision-making (Smith & Johnson, 2020). By anticipating fluctuations in demand and adapting production schedules accordingly, manufacturers can sidestep the pitfalls of overproduction or stock shortages (Thompson & Martinez, 2023), with the essence of supply chain optimization through AI resting in its capacity to expedite lead times while fine-tuning inventory accuracy (Thompson & Martinez, 2023), as AI engines chug through terabytes of data, they distil actionable insights that guide the scheduling of production runs, resource allocation, and inventory replenishments (Thompson & Martinez, 2023), culminating in a leaner, more responsive supply chain attuned to market dynamics (Thompson & Martinez, 2023). AI's footprint on textile manufacturing reverberates far beyond mere automation, extending into the predictive realm where machines orchestrate maintenance schedules with uncanny precision translating to cost savings and seamless operations (Anderson & Davis, 2023). Moreover, AI's role extends into the very veins of the industry, optimizing supply chains and enhancing the industry's agility in a rapidly evolving market (Johnson & Brown, 2021), as textile manufacturing

stands at the cusp of a new era, AI stands as the harbinger of innovation, efficiency, and competitive advantage (Smith & Johnson, 2020).

3. AI Unveiling New Horizons in Textile Design

The integration of Artificial Intelligence (AI) into textile design has ignited a creative renaissance, particularly in the domain of pattern recognition and generation (Brown & White, 2018). AI's exceptional ability to decipher intricate trends from vast datasets empowers designers with insights that transcend conventional human analysis (Smith & Johnson, 2020). By meticulously examining historical design patterns, consumer preferences, and evolving market trends, AI algorithms uncover latent connections that fuel the generation of innovative and resonant textile designs (Brown & Garcia, 2020). This process of pattern analysis enables designers to anticipate emerging trends before they crystallize, thus providing a distinct competitive edge (Smith & Johnson, 2020). AI identifies nuanced shifts in colour palettes, motifs, and styles that might evade human perception (Garcia & Martinez, 2019). By marrying AI's predictive prowess with designers' creative intuition, a harmonious synergy is achieved, leading to the birth of designs that seamlessly blend tradition with modernity (Brown & White, 2018). Furthermore, AI's iterative learning capabilities facilitate a dynamic evolution of design, continually adapting to shifting preferences and societal dynamics (Brown & Garcia, 2020). In the realm of virtual prototyping and simulation, AI's transformative impact extends further (Johnson & Brown, 2021). Traditional design cycles often entail substantial resources and time investments in creating physical prototypes for testing (Anderson & Davis, 2023). AI-driven virtual prototyping shatters these constraints by allowing designers to manifest their concepts in a digital realm (Thompson & Martinez, 2023). By simulating fabric textures, drape, and behaviour, designers can witness the manifestation of their ideas without physical manifestation (Smith & Williams, 2022). This accelerates the design process, expedites decision-making, and economizes resources that would otherwise be expended on physical iterations (Anderson & Davis, 2023). Designers can swiftly experiment with variations, iterate on their concepts, and refine their creations before embarking on the physical production phase (Thompson & Martinez, 2023). As a result, time-to-market is significantly reduced, and the design journey becomes an agile and iterative exploration of creative possibilities (Johnson & Brown, 2021). One of the most profound ways AI elevates textile design is through customization and personalization (Brown & Garcia, 2020). AI's capacity to analyse vast troves of customer data unveils preferences, inclinations, and patterns unique to each individual (Smith & Johnson, 2020). Armed with this insight, designers can craft personalized designs that resonate with consumers on a personal level, transcending the boundaries of mass production (Brown & Garcia, 2020). Tailored designs cater to consumers' diverse tastes, allowing them to express their individuality through their textile choices (Smith & Williams, 2022). Additionally, AI-driven recommendations provide consumers with curated options that align with their preferences (Johnson & Brown, 2021). This creates a reciprocal relationship, where brands deliver designs that speak to consumers' hearts, engendering loyalty and forging a deeper emotional bond (Brown & White, 2018). AI's foray into textile design amplifies creative potential across various facets (Smith & Johnson, 2020). Pattern recognition and generation, virtual prototyping, and customization collectively herald a new era of innovation, efficiency, and consumer-centric design (Brown & Garcia, 2020). By harnessing AI's capabilities, designers not only revolutionize their creative process but also craft a narrative that resonates deeply with consumers, elevating the artistry of textile design to unprecedented heights (Smith & Williams, 2022).

4. Confronting Challenges and Gazing into the Future

In the dynamic intersection of Artificial Intelligence (AI) and textile design, the journey is marked by both promises and obstacles. One of the persistent challenges confronting stakeholders is the substantial initial investment required for the integration of AI technologies into the textile design and manufacturing processes (Brown & White, 2018). The costs associated with acquiring and implementing AI-driven tools and systems can be substantial, posing a barrier for smaller businesses and individual designers (Garcia & Martinez, 2019). Overcoming this challenge requires strategic planning, collaboration, and perhaps industry-wide initiatives to make AI technologies more accessible to a broader spectrum of the textile design community (Brown & Garcia, 2020). Another formidable challenge is the paramount concern of data security (Roberts & White, 2020). As AI relies heavily on vast datasets for training and decision-making, safeguarding sensitive design information becomes imperative. Design firms and manufacturers must

invest in robust cybersecurity measures to protect intellectual property, trade secrets, and proprietary design data (Smith & Johnson, 2020). The ethical use of AI in handling this information is paramount, necessitating transparent practices and adherence to privacy regulations to build trust within the industry (Smith, 2021). Moreover, the imperative of upskilling the workforce presents a complex challenge (Chen & Lee, 2019). As AI becomes more deeply embedded in textile design processes, designers and manufacturing professionals need to acquire new skills to effectively collaborate with AI systems (Smith & Williams, 2022). This demands comprehensive training programs, educational initiatives, and a proactive approach to equip the workforce with the expertise needed to leverage AI technologies optimally (Johnson & Brown, 2021). Addressing this challenge not only ensures the effective utilization of AI tools but also contributes to a more resilient and adaptable workforce (Anderson & Davis, 2023). Amidst these challenges, the horizon gleams with transformative advancements that have the potential to redefine the textile industry (Smith & Johnson, 2020). AI-driven innovations hold the promise of accelerating design workflows, reducing time-to-market, and enhancing the overall efficiency of manufacturing processes (Johnson & Williams, 2023). As technology advances, AI may play an instrumental role in creating sustainable and eco-friendly textiles, revolutionizing material sourcing, and contributing to the industry's evolution towards circular and responsible practices (Thompson & Martinez, 2023). In conclusion, while challenges persist in the integration of AI into textile design and manufacturing, the potential for transformative advancements is undeniable (Goldberg, 2023). Strategic approaches to address initial investment costs, a commitment to robust data security measures, and proactive upskilling initiatives can pave the way for a future where AI reshapes the textile industry, fostering innovation, sustainability, and efficiency (Smith & Williams, 2022). The journey toward this future requires a delicate balance between overcoming challenges and embracing the vast possibilities that AI brings to the dynamic landscape of textile design.

5. Summary

The integration of Artificial Intelligence (AI) into the textile industry represents a significant paradigm shift, touching upon various facets of both manufacturing and design. In manufacturing, AI-driven automation and robotics are revolutionizing traditional production methodologies by streamlining processes, enhancing precision, and ensuring consistent quality control measures. By leveraging AI algorithms, textile manufacturers can optimize labor resources, reallocate them to more strategic tasks, and accelerate production timelines. This not only improves efficiency but also reduces operational costs significantly. Predictive maintenance, another crucial aspect of AI integration in manufacturing, enables proactive identification and resolution of machinery issues before they lead to costly downtime. By analyzing vast amounts of real-time data, AI systems can predict potential failures, schedule maintenance activities, and optimize resource allocation, thereby ensuring uninterrupted production and bolstering the industry's competitiveness. In the domain of textile design, AI's impact is equally transformative. AI-powered pattern recognition algorithms enable designers to uncover nuanced trends, anticipate consumer preferences, and create innovative designs that resonate with market demands. Virtual prototyping, facilitated by AI, allows designers to visualize and refine their concepts digitally, accelerating the design process and minimizing the need for physical prototypes. Additionally, AI-driven customization and personalization algorithms enable designers to cater to individual consumer preferences, fostering deeper engagement and loyalty. However, alongside these transformative benefits, challenges such as initial investment costs, data security concerns, and the need for workforce upskilling must be addressed. The significant initial investment required for AI implementation may pose a barrier for smaller businesses and individual designers. Moreover, safeguarding sensitive design information and ensuring ethical AI practices are imperative to maintain trust and integrity within the industry. Additionally, upskilling the workforce to effectively collaborate with AI systems is crucial for maximizing the benefits of AI integration. Looking ahead, the study foresees further advancements in AI-driven robotics, Internet of Things (IoT) integration, and sustainable practices reshaping the textile landscape. AI's ability to optimize supply chains, enhance production processes, and drive innovation holds the promise of a more agile, data-driven industry that prioritizes innovation and environmental sustainability. Ultimately, AI serves as a catalyst for transformative possibilities, offering the textile industry a pathway to redefine tradition and embrace a future driven by innovation and sustainability.

6. Conclusion

In the intricate tapestry of textile design, the integration of Artificial Intelligence (AI) has

woven a narrative of unprecedented innovation, efficiency, and transformative possibilities. As we navigate the myriad applications and implications of AI in the textile industry, it becomes evident that this convergence is more than a technological advancement; it's a paradigm shift that reshapes the very essence of the industry. The fabric of this exploration unravelled through the layers of AI's impact on textile manufacturing, from automation and predictive maintenance to supply chain optimization. With AI's adeptness in streamlining processes and orchestrating maintenance, the industry stands fortified by increased efficiency, reduced costs, and a dynamic production landscape. The symphony of interconnected systems, guided by AI's intelligence, resonates with a harmony that echoes throughout the supply chain, crafting an industry poised for agility and responsiveness. Textile design emerged as a canvas of creativity, where AI serves as both a brushstroke and a guide. From pattern recognition to virtual prototyping, AI empowers designers to transcend boundaries, fostering a realm where imagination and technology converge. The canvas becomes personalized, a tableau of designs curated to individual preferences, unlocking a dialogue between consumers and creators that resonates on a profound level. Challenges, while significant, are met with unwavering determination. The initial investment costs, data security concerns, and the call to upskill the workforce are the crucible through which innovation is forged. These challenges not only illuminate the path to progress but also serve as catalysts for evolution and growth. As industry pioneers grapple with these concerns, AI's trajectory shows remarkable promise. As we gaze into the future, AI unfurls its potential in full splendour. Advancements in robotic systems elevate manufacturing to a realm of complexity once deemed unimaginable. The amalgamation of AI and IoT transforms the industry into a sentient, interconnected ecosystem where efficiency and personalization converge.

Sustainability, once a distant aspiration, becomes tangible as AI spearheads the charge towards eco-friendly practices and waste reduction. In this dynamic narrative, AI emerges as more than a tool; it's a guiding light that leads the textile industry into uncharted territories of creativity, efficiency, and environmental consciousness. The symphony of machine intelligence harmonizes with human ingenuity, crafting a future where every thread spun is woven with the promise of innovation. The tapestry of the textile industry is no longer confined to tradition; it's an ever-evolving canvas where AI paints the strokes of transformation. As we step forward, the interplay between AI and textile design will continue to be a force that reshapes the industry, unravelling possibilities beyond our imagination.

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EXPORT PROSPECTS AND MARKETS

As Bangladesh restricts jute exports to India, mills seek ban on seed shipments

The Indian Jute Mills Association (IJMA) has sought urgent Central intervention amid a "serious and rapidly deteriorating" crisis triggered by Bangladesh's unilateral restriction on raw jute exports.

In a letter to Textiles Minister Giriraj Singh, UMA Chairman Raghavendra Gupta said Dhaka's move had adruptly distrupted raw material supplies exposed mills to severe financial risks, and pushed domestic raw jute prices to abnormal highs. "The combined impact threatens mill operations, employment and the stability of the jute value chain," he warned.

Industry representatives say the curbs have sent shockwaves across jute mill belts, jeopardising operations and the livelihoods of lakhs of workers. They argue that continuing jute seed exports to Bangladesh under current conditions under-mines Indian farmers, constrains domestic seed availability, and weakens long-term raw jute production.

'Ban Seed Exports'

IJMA urged a complete ban on exports of high-yielding variety (HYV) jute seeds to Bangladesh to ensure domestic availability, protect farmes and restore reciprocity in bilateral trade.

Gupta noted that Bangladesh relies almost entirely on Indian HYV seeds to sustain its jute production and exports, while simultaneously blocking India's access to raw jute. "This has created a clear imbalance in bilateral jute trade," he wrote in his December 18 letter. Indian-origin HYV seeds, he added, were enabling Bangladesh to manufacture jute goods that are then exported to India at low prices, further weakening domestic mills.

Any seed export curb, industry insiders say, would trigger concern in Bangladesh and help push for more balanced trade.

Gupta also pressed for strict licensing by the office of the Jute Commissioner for all jute goods imported into India to ensure calibrated control and better alignment with domestic market conditions.

Prices Surge

Since Bangladesh restricted raw jute exports on September 8, domestic prices have surged from around ₹60,000 a tonne in July to ₹1.10 lakh now.

"Since Bangladesh banned raw jute exports to India, we should reciprocate by baning seed exports to protect our farmers," said Sanjay Kajaria, former IJMA Chairman.

Existing Curbs

Earlier this year, India banned imports of several jute products and ropes from Bangladesh, A DGFT notification in August allowed imports of items such as jute fabrics, twine, ropes and bags on ly through Nhava Sheva port, citing quality control and domestic industry protection. These products are barred from entering through any India Bangladesh land ports. ❐

As raw jute prices breaches ₹1.10 lakh/ tonne, mills cut output on shortage of stocks

Jute mills in West Bangal have curtailed production after raw jute prices breached the record ₹1,10,000 per tonne mark, with traders and stockists unwilling to release stocks in anticipation of further prices rises.

With virtually no raw jute available in the market, several mills are unable to plan production schedules or meet long-term supply commitments, industry sources said.

In the Hooghly industrial belt, manay units are operating at just 10-15 shifts a week, far below sustainable levels.

Even relatively better placed mills are conserving raw material amid soaring prices and uncertain availability. Prices began spiralling after Bangladesh abruptly banned raw jute exorts on September 8.

Domestic prices, which were ₹60,000 per tonnes to July, have since nearly doubled.

In a letter to Textiles Minister Giriraj Singh, Indian Jute Mills Association (IJMA) Chairman Raghavendra Gupta said the ban had disrupted raw material supplies, exported mills to severe financial risk and triggered an "abnormal escalation" in domestic prices. "The combined impact threatens mill operations, employment and the stability of the jute value chain," he said.

Trade Imbalance

Industry sources said a few mills had already suspended operations, while many others have slashed shifts amid a crippling raw jute shortage.

An increasing number of mills are operating, at bare-minimum levels, signalling an industry-side contraction that could deepen in the weeks ahead. The

crisis persists despite repeated deliberations at the Jute Advisory Group, where concerns over availability, hoarding and price volatility have been raised.

While measures such as demand dilution and stock controls were discussed, Industry participants said enforcement on the ground was absent. Gupta also flaged a "clear imbalance" in bilateral jute trade, while calling for a complete ban on the export of HYV jute seeds to Bangladesh to ensure domestic availability, safeguard farmers and restore reciprocity in trade. ❐

Goods shipments to China elevated, grow at a fast clip

India's Shrimp Exports facing tariffs up to 58% in the US have found a new fast-growing market in China. Even in product categories like electronics, shipments to the northern neighbor have soared, according to commerce ministry data.

China alone accounted for 40% of India's total export growth in April-November and this has come from the contribution of a wide range of products.

During April-November, India's overall exports to China rose 32.8% on year to $12.22 billion, while during the same period India's total exports expanded just 2.6%. China's share in India's total exports increased to 5.8% in April-November, up 1 percentage point as compared to April-November in the last financial year. In Novemebr 2025 alone, exports to China were up 90% to $2.2 billion.

Marline product exports to China have grown 1,307% where as telecom instruments saw an uptick of 469% on year during April-October. Marine product exports in April-November to China stood at $1.05 billion. Frozen shrimp exports remained elevated across August-October 2025, each month recording $40-55 million in shipments. August-end was when the US imposed 50% additional duties on Indian imports to diversification picked up since then. In April October black tiger shrimp exports were up $92.6 million and Vannamei shrimp exports are $56.8 million more than last year.

In the case of light naphtha, an important product category in the export basket to China, shipments surged 172% in April-October to $1,450 million, according to officials.

Within electronics flat panel display modules exports to China started this year. In April-October the exports of the item was $246.3 million from nil last year. Populated printed circuit boards rose 898% to $922.4 million from $23.9 million last year in April-October.

Exports of electrical apparatus for telephony increased by $189.5 million. OLED flat panel modules posted steady shipments of $83 million in May, $75 million in June, and $72 million in July 2025, while other telecom apparatus maintained high volumes across August-October 2025. ❐

Exports likely to grow by 3% to $850b this fiscal : GTRI

India's goods and services exports are likely to grow by 3 percent to $850 billion in 2025-26, think tank GTRI said recently.

In 2024-25, the overall exports touched $825 billion ($438 billion in merchandise and $387 billion in services).

Global Trade Research Initiative (GTRI) said the country's exports in 2026 will face a far tougher global trade environment than it has seen in years.

Rising protectionism in advanced economies, weakening global demand and new climate-linked trade barriers are colliding just as India is trying to scale up exports, it said.

The result is an outlook marked less by expansion and more by the challenge of holding ground, GTRI Founder Ajay Srivastava said.

"In FY26, goods exports are likely to stay broadly flat, squeezed by weak global demand and renewed US tariff pressure, while services exports may inch past $400 billion. That would lift total exports to roughly $850 billion," he said. ❐

Despite US tariffs, exports of ready-made garments surged 3% in Dec, aided by diversification

In a silver lining to the ailing industry, exports of readymade garments (RMG) rose 3 per cent year-on-year (y-o-y) in December 2025 at $1.5 billion compared with December 2024. The export numbers in December 2025 were up 16 per cent compared with December 2023.

The US tariffs on the textile sector came into effect on August 27, as a result of which exports declined y-o-y in September and October. However, the numbers bounced back in November and posted marginal growth in December, according to Apparel Export Promotion Council (AEPC) Data.

EXPORT PROSPECTS AND MARKETS

Growth Drivers

Export growth has been driven by the industry diversifying into other markets, especially West Asia, and aided by favourable currency movements, sources said.

RMG exports during April-December 2025 were at $11.58 billion, a 2.4 percent increase over April December 2024, and a growth of 14.2 percent compared with April-December 2023, data show.

Commenting on the exports data, A Sakthivel, Chairman, AEPC, said the December export growth reflects both resillience and adaptability of the industry in a challenging global environment.

Positive Outlook

"While demand in key international markets, such as the US, has been uneven due to inflationary pressures and geopolitical uncertainties, Indian apparel exporters managed to hold ground through product diversification, improved compliance and a stronger focus on value-added segments," he said.

On the outlook for exports in 2026, "We are cautiously optimistic. With global demand expected to improve-gradually, India is well-positioned to gain market share due to its reliable supply chain, compliance standards and growing design capabilities. With sustained policy support and continued industry efforts, we are confident that the apparel sector will return to a stronger growth trajectory."

Thirukkumaran Natarajan, Chairman of Tiruppur based Esstee Exports India Pvt Ltd and Secretary of the Tiruppur Exporters Association, said exporters are offering discounts in the 15-20 per cent range to retain customers in the US market. While this has helped, other markets have also contributed to growth, he said. ❐

Export Promotion Mission : Govt. launches 2 more credit-linked plans

The Government introduced two new components in the Export Promotion Mission (EPM) aimed at easing and reducing the cost of the credit-access process for exporters.

This comes days after the Ministry of Commerce and Industry notified guidelines for a market access scheme under the EPM. With recent announcement, three of the 11 schemes under the EPM. With This announcement, three of the 11 schemes under the EPM have been operationalised.

The two schemes would entail an outlay of ₹5,181 crores over six years until 2030-31. The two schemes were under the Niryat Protsahan categoty, which is meant to lower the cost of credit for exporters.

Interest Subvention for Pre-and Post-Shipment Export Credit scheme will reduce the cost of export finance and "strengthens MSME liquidity, improve competitiveness and supports India's integration into global value chains, while ensuring fiscal prudence and compliance," the Ministry of Commerce said in its announcement.

Interest subvention

"Eligible MSME exporters can avail interest subvention on rupee export credit (pre and post-shipment) extended by scheduled banks in accordance with RBI Master Directions," it added. The second subscheme - Collateral Support for Export Credit - is aimed at giving MSME exporters the ability to access bank credit even with limited collateral or third-party guarantees.

The scheme would be implemented through the Credit Guarantee Fund Trust for Micro and Small Enterprises (CGTMSE) on a pilot basis and be applicable to export-linked working capital loans.

MSME exporters exporting notified tariff lines will be eligible for the collateral support.

Micro & small exporters would be eligible for up to 85% guarantee, while medium exporters would be capped at a 65% guarantee. ❐

UK and EU Apparel Brands start sourcing talks with Indian Suppliers

UK and European apparel brands, including Marks & Spencer, Primark and Next, have started negotiations with Indian suppliers as the Indian-UK and India-EU free trade agreement talks move closer to ratification.

These buyers are intensifying factory audits and evaluations in hubs such as Tiruppur in Tamil

Nadu, with plans to start or expand sourcing from India amid supplychain uncertainties in Bangladesh and in anticipation of lower tariffs under the FTAs, said exporters.

"Brands such as M&S, C&A, Primark, Mothercare, Next and Duns have started visiting Tiruppur for technical audits, evaluation of new factories and to explore the possibility of increasing sourcing from their existing suppliers," Tiruppur-Exporters Association president KM Subramanian said. "Brands that are already sourcing from India are actively looking in scale up their buying."

The India-UK FTA proposes removal of tariffs on 99% of India's exports to the UK. The agreement will come into force only after it is ratified by the UK's Parliament, expected to be completed in the next few months.

Of India's $37 billion textile and apparel exports in 2024-25, the US accounted for the largest share at 28.5%, followed by the EU at 19.6% The UK was the fifth-largest export destination, with 5.4% of total exports. Bangladesh's current political situation has also prompted European buyers to reconsider sourcing strategies and consider imports from India.

"Buyers such as C&A, which source large volumes of jeans and bottoms from Bangladesh, are exporting possibility of shifting part of their sourcing to India. Some UK buyers have also indicated their willingness to move production from Bangladesh to India." said Vijay Agarwal, chairman of the Cotton Textiles Export Promotion Council.

At present, import duties make sourcing from India more expensive compared with Bangladesh.

Bangladesh has enjoyed duty-free access to the European market for realy 25 years. In contrast, Indian apparel and textiles currently attract duties of 12.5% and 9.6%, respectively in both the EU and UK.

Implementation of FTAs with EU and UK would scrap duties on Indian textiles and apparel, placing India at par with Bangladesh.

Exporters said capacities lying underutilised due to high tariffs imposed by the US could be quickly redeployed to increase supplies to Europe. ❐

Kashmir's handicraft exports decline on tariffs, weak festival orders

Kashmir's handicraft exporters say demand for traditional products has weakened sharply, with industry representatives attributing the downturn to US tariff measures, the impact of global conflicts and rising competition from machine-made carpets.

Exporters said the sector, known for hand-knotted rugs, papier mache items, pashmina shawls and wood-carved products, continues to exprience a downward trend.

They told reporters that overseas orders failed to revive during Christman and New Year, a period that historically sees a surge in shipments to Europe and North America. Instead, consignments remained subdued, with buyers holding back due to cost sensitivities, shipping delays and overall market uncertainty.

"There was always a sense of optimism around the winter festivals. This year, we didn't see that bounce at all," a Srinagar-based exporter said, requesting anonymity as he is not authorised to speak to the media.

Sheikh Ashiq, a Kashmir Valley-based businessman and member of the Committee of Administration (COA) of the Carpet Export Promotion Council, said exports had consistently dipped over the past year, with little indication of a recovery. "There has been a sustained decline in demand from European countries like Germany and the US," Ashiq told reporters.

He said the Russia-Ukraine conflict, higher input costs and heavy tariff impositions by the US on Indian goods had undermined the sector's pricing competitiveness.

"The demand from our traditional countries has declined by nearly 30 per cent," he added.

Carpet export earnings have dropped sharply from ₹357 crore in 2022-23 to ₹260 crore in 2024-25.

The decline reflects a wider slump in the Valley's handicraft sector, with export figures sliding to ₹733 crore this year, compared to ₹1,162 crore in 2023-24 and ₹1,116.37 crore in 2022-23, reflecting a steady downturn across the board.

Industry participants also said that machine-made carpets from Turkey, China and the Middle East are further eroding Kashmir's presence in international retail chains.

Machine-produced substitutes, which sell at a fraction of the cost of hand-crafted Kashmiri carpets, have gained traction among mid-range buyers, distributors said. "We need a cushion from the government to absorb the losses," Ashiq said, referring to financial support and policy relief for exporters. ■

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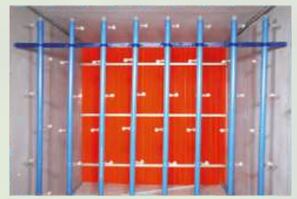

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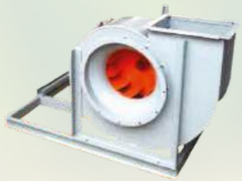

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President, TAI, Mumbai Unit
Mr. Rajiv Ranjan cautions from the policy perspective

As we come to the close of third quarter of 2025-26, it is an opportune moment to pause and reflect on a year that tested the resilience, adaptability, and collective spirit of the Indian textile and apparel industry.

The year was, by no means, an easy one. Global geopolitical tensions, shifting trade alignments, inflationary pressures, and sudden policy shocks-most notably the impact of US tariff actions-highlighted how interconnected and vulnerable global value chains have become. For an export-oriented sector like ours, this translated into margin pressures, order uncertainties, and tighter liquidity, particularly across MSME driven clusters that form the backbone of the industry.

Mr. Rajiv Ranjan
President

At the same time, history reminds us that periods of disruption often act as catalysts for structural change. In that sense, 2025 was not merely a year of stress, but also one of important course correction.

A key learning has been the urgent need to reduce over-dependence on a few markets. Export concentration is no longer a manageable risk-it is a structural vulnerability. Encouragingly, many enterprises have begun exploring diversification across Europe, the UK, Japan, the Middle East, Africa, and other emerging markets. This gradual but necessary rebalancing will be critical for long-term resilience.

From a policy perspective, the first three quarters of FY 2025-26 marked a phase where long-standing constraints began to ease. Duty rationalisation, renewed focus on MMF and technical textiles, the Production Linked Incentive (PLI) scheme, and the rollout of PM MITRA parks along with rationalisation of taxes and reforms in Labour Codes together signal a clear intent to address scale, integration, and competitiveness. While execution remains the true test, the direction of travel is both necessary and encouraging.

Equally important is the evolving global buyer mindset. China+1 sourcing strategies, heightened ESG expectations, and the emphasis on supply-chain resilience present India with a unique opportunity. Our inherent strengths-entrepreneurial depth, manufacturing diversity, skilled talent, and a growing sustainability focus-can be effectively leveraged with continued investment in productivity, compliance, logistics efficiency, and technology.

As an Association, the Textile Association (India) - Mumbai Unit has continued to engage actively with stakeholders across industry, academia, and policy forums. Our seminars, technical sessions, and networking platforms have aimed to foster dialogue, knowledge sharing, and collaboration-because navigating complexity today demands collective effort.

Looking ahead to 2026, cautious optimism is warranted. Early indicators from the last quarter suggest stabilisation and modest recovery in certain segments. However, the road ahead will demand discipline, execution, and speed. Policy support must translate into outcomes on the ground, and industry must scale with agility.

In closing, I sincerely thank our members, partners, speakers, sponsors, and the Managing Committee for their continued support during a challenging year. It is this shared perseverance and purpose that will enable the Indian textile industry not only to recover, but to emerge stronger and more competitive.

Webinar on "Glimpses of ITMA ASIA 2025, Singapore" held on Saturday, 15th November 2025 from 04.30 pm to 06.00 pm

The Textile Association (India), Mumbai Unit conducted a very interesting and informative webinar on 15th November 2025 as a follow-up of the recently conducted ITMA Asia 2025 Exhibition held at Singapore. The theme of this webinar was "Glimpses of ITMA ASIA 2025, Singapore". The webinar received a very good response from attendees across India.

ITMA ASIA 2025, Singapore was a grand mega show of the textile industry showcasing the latest developments, trends and innovations to the world. This webinar was specially organised for those who could not visit this show and those who could not complete the mega exhibition.

Mr. G. V. Aras, Independent Director & Strategic Advisor was the Moderator of this Webinar. The knowledgeable panelists with deep domain knowledge in textile verticals, were carefully selected for this important webinar. Following were the subject experts who shared their experiences at ITMA Asia 2025 on different textile value chain verticals.

Dr. Ashok Athalye, Professor- Textile Chemistry, Dept. of Fibers and Textile Processing Technology, ICT Mr. Navin P.Agrawal, Sr. Vice President, Textile Engineering-Fabric Forming, A.T.E. Enterprises Pvt. Ltd. Mr. Laxmikant Rathi, President, Indian Card Clothing Company Limited.

All the speakers wonderfully covered their observations and innovations noticed during the exhibition as well as during the knowledge sessions.

The following points were the main highlights of their talks.

SPINNING

- Wider width cards with larger surface area from Truetzschler and LMW
- Focus on fibre saving, Precision settings on cards
- Use of automation in material transportation by Truetzschler and Rieter
- Longer ring frame (2400 spindles) by LMW, higher speeds up to 28,000 rpm
- Winders with low energy consumption
- Automation in packing
- Digitalisation (Mill management systems)
- Wider fibre range spinnability on airjet spinning.

FABRIC FORMING

- New Pro-size machine with lower resource use by Karl Mayer
- New jacquard by Staubli
- Airjet looms with low energy requirement with 2000 rpm speed by Toyota
- Smart terry airjet loom by Tsudokoma
- Up to 25% Lycra usage on Karl Mayer warp Knitting
- Karl Mayer technical textile machine for hollow fibres Knitting
- Computerised 3D fabric knitted on Shima Seiki
- AI integration on circular knitting on smart knitting machine from Pai Lung Digital tools on Picanol loom.

PROCESSING

- Focus on innovation on reducing Cycle time, Water & Energy consumption, Dyes & chemicals, Effluent load and production cost
- Lots of innovation in digital printing with focus on smart machines with lower resource utilisation but high productivity
- Denim printing on digital printer giving washout effect
- Increased emphasis on Sustainability
- ACME from Taiwan launched a dyeing machine with conveyor technology having a 1 :2.5 liquor ratio (so far the lowest)
- MS Printing introduced a waterless pigment printing system with reduced water, chemicals and energy usage.

Webinar on "Glimpses of ITMA ASIA 2025, Singapore"

SOME OTHER INTERESTING INNOVATIONS

- Va Ivan, Belgium introduced AI based post consumer textile waste sorting machine
- AI powered data analysis on dyeing machines by KUANS, Taiwan
- Digital Protect (Smart fabric protection) technology by Asia Kingdom on dyeing machine
- AI driven energy efficient solutions on machines
- Refibre technology by Marzoli for processing of 100% recycled fibres

The overall focus of the ITMAAsia 2025 was more on Sustainability, Digitisation, Resource Optimisation and AI application.

After the individual presentations covering the entire value chain, there was a Q&A session. Some of the participants asked very interesting questions which were answered by the speakers.

Mr. Haresh B. Parekh, Hon. Secretary, The Textile Association (India), Mumbai Unit was the Convenor of this webinar.

This webinar was very successful and was appreciated by all the participants. There was an overwhelming response from the attendees with more than 100 people attending through the webinar link.

Link for those who want to watch the webinar: https://youtu.be/zNSYWeRrfEo?si=PiQhZpx-zCCen9J9.

Industry | Academia | NGO Interaction Meet held on Monday, 3rd December 2025, at TAI, Mumbai Unit Office

Industry | Academia | NGO Interaction Meet was held on 3rd December 2025 at the office The Textile Association (India), Mumbai Unit. The meeting was curated by Dr. Ela Dedhia, Founder Director of Anveshanam Foundation. The collaborators were The Textile Association (India), Mumbai Unit and Textile Value Chain. 4 from non profit, 8 from Industry, 5 from Academia were gathered for the interaction.

The meeting brought together representatives from academia and the textile and fashion industries to address the widening gap between institutional education and real-world industry expectations. Participants expressed shared concern that graduates entering the textile sector often lack foundational knowledge, hands-on skills, and professional readiness required by employers.

The discussion began with reflections on the responsibility of individuals and institutions to contribute to society by preparing future generations with relevant skills. Speakers stressed that while funding can support infrastructure and growth, the more significant need is knowledge exchange, mentoring, and industry engagement.

Speakers pointed out that curriculum revision alone is not enough-implementation must include practical learning, exposure visits, and real-time industry insights. Many noted that students often lack understanding of basic textile terminology, machinery, production processes, sustainability frameworks, and supply chain realities. The panel agreed that experiential learning must become central rather than peripheral to education.

The New Education Policy (NEP 2020) was acknowledged as a strong framework promoting flexibility, interdisciplinary learning, soft skills, elective pathways, and social responsibility. Examples were shared of institutions integrating open electives, sustainable design principles, internships, rural craft documentation modules, and industry placements. However, participants emphasized that the policy's strength lies in thoughtful application aligned with industry needs-not superficial compliance.

Speakers also highlighted a gap in student expectations and motivation. Many students enter fashion and textile programs with idealized, glamorous perceptions shaped by media, without understanding the technical and operational depth of the field.

The industry representatives underscored that in the workplace, attitude, discipline, willingness to learn, and problem solving mindset matter just as much as technical knowledge. Soft skills such as communication, teamwork, time management, and accountability must be intentionally built during the academic experience, not left to post-graduation learning.

A shared sentiment emerged that meaningful change requires partnership-not isolated effort. Institutions need access to working professionals who can provide guest lectures, mentorship, project feedback, and internship opportunities. Industry needs graduates who are competent, adaptable, and prepared to contribute from day one. Both sectors must co-create solutions rather than work independently.

The meeting concluded with a collective agreement to move beyond discussion and toward structured, actionable collaboration. Participants expressed commitment to exploring internships, expert-led modules, site visits, curriculum advisory roles, and knowledge-sharing programs to strengthen the ecosystem and empower the next generation of textile and fashion professionals.

ACTION PLAN

PHASE 1: FOUNDATION (0-3 Months)

1. Establish a Joint Working Group
   Responsibility: Lead faculty representatives+ Industry members
   Tasks:
   Identify 5-7 core members (balanced academia-industry representation)
   Define meeting frequency (monthly/bi-monthly)
   Assign roles: Curriculum liaison, internship coordinator, guest expert coordinator, documentation coordinator
2. Industry Needs Mapping
   Responsibility: Industry working group members
   Tasks:
   Share a list of essential competencies required for entry-level roles
   Categorize into:
   Technical skills (fabric science, machinery basics, GSM, materials)
   Soft skills (communication, discipline, timelines, reporting)
   Applied skills (sustainability, digital tools, costing, compliance)
   Share a knowledge priority list with institutions
3. Academic Gap Review
   Responsibility: Academic curriculum teams
   Tasks:
   Compare current curriculum with industry needs
   Identify outdated modules
   Highlight missing or underrepresented areas
   Share findings with the working group

PHASE 2: CAPACITY BUILDING (3-9 Months)

4. Develop a "Mini-Module Series" with Industry Experts
   Responsibility: Joint Working Group
   Structure: 8-12 short modules (2-6 hours each)
   Delivered on line or in-person
   Topics may include: Textile machinery basics
   Sustainability and SDGs
   Emerging technologies
   Industry work culture and expectations
   Pricing, costing & sampling
5. Strengthen Internship Framework
   Responsibility: Institutional Internship Cell+ Industry partners
   Tasks:
   Create a standard internship guideline (duration, evaluation, learning outcomes)
   Ensure internships include supervised exposure (not only ad min tasks)
   Develop reflection reports or project-based output formats for students
6. Industry Exposure Programs
   Responsibility: Institutions with industry support
   Activities: Mill visits Factory tours
   Process demonstrations (spinning-weaving-finishing)
   At least two exposure activities per semester

PHASE 3: INTEGRATION (9-18 Months)

7. CurriculumAlignment
   Responsibility: Academic leadership+ working group advisors

Webinar on "Glimpses of ITMA ASIA 2025, Singapore"

Steps:
Update curriculum content based on Phases 1-2 learnings
Add electives, lab work, and applied modules
Integrate sustainability and digital literacy
Ensure flexibility through NEP frameworks

8. Industry-Backed Student Projects
Responsibility: Mentors from both sides
Examples:
Material innovation
Local craft-based design
Small applied research papers
9. Faculty Development
Repurposing waste/responsible production
Technical R&D projects
Responsibility: Industry trainers+ academia coordinators
Activities:
Annual masterclasses
Short industrial training
Peer learning sessions across colleges

PHASE 4: CONTINUITY & SCALE (18+ Months)

10. Create a Digital Repository
Responsibility: Consortium IT+ knowledge managementteam
Content:
Case studies Recorded expert sessions Industry updates
Glossary and standards Best practices in textiles and sustainability
11. Annual Symposium/ Showcase
Purpose: Review progress, share research, display student industry projects, announce new collaborations.
12. Monitoring & Evaluation
Responsibility: Working Group Secretariat
Metrics may include:
Number of trained students
Internship to job conversion rate
Industry modules delivered
Curriculum innovation index
Student performance and feedback

EXPECTED OUTCOMES

- Industry-ready graduates with practical understanding
- Stronger continuity between academic theory and industrial practice
- Shared responsibility in shaping the next generation
- Reduced skill and expectation gaps
- Sustainable long-term collaboration ecosystem

The Textile Association (India), Mumbai Unit conducted ATA & GMTA Examination of The Textile Association (India), Central Office.

The Textile Association (India), Central Office conducts ATA, GMTA examinations to enable experienced technicians to enhance their qualifications. The award 'Associate-ship of the Textile Association (ATA)' is given on the basis of examination in three parts, similar to the Courses offered by the Polytechnic Institutes. Graduate Member of the Textile Association (GMTA)' is the up-gradation of ATA course. It has been designed on the basis of more of industry oriented curriculum spread in five sections. This is comparable to the Four Year Degree courses offered by any textile degree Institutes.

The Textile Association (India), Mumbai Unit conducted ATA& GMTA Examination of The Textile Association (India), Central Office for the year 2025-2026 from 20th December 2025 to 27th December 2025 in their Conference Room.

This exam was attended by 18 students from TAI, Mumbai Unit for ATA Part I, ATA Part II and GMTA Section A, B & C.

This year about 93 students attended ATA & GMTA exams at various Units of the TAI all over India.

Join The Textile Association (India), Mumbai Unit!

Your Gateway to Excellence in the Textile Industry

About Us

The Textile Association (India), Mumbai Unit, is a premier professional body dedicated to advancing the Indian textile industry. With a rich history of over eight decades, we are committed to fostering the growth and development of textile professionals and technocrats.

Our objective is to promote and stimulate the thought and knowledge of the science of textile technology and its communication by continuing education and training programme in the field of manufacturing offibre, yarn, fabrics and garments of any description in combination with the knowledge of natural science which relates to the physical, chemical or other fundamental properties of any of the substances used or any of the manufacturing processes employed in the textile education.

Our Key Activities

- Conferences & Seminars: We organise national and international conferences, seminars, and workshops on the latest trends and technologies in the textile industry.
- Exhibitions: We host exhibitions to showcase the latest textile machinery and products, providing a platform for business-to business interactions.
- Educational Programs: We conduct professional examinations (ATA, GMTA) and refresher courses to help members enhance their qualifications and stay updated with industry developments.
- Publications: We publish the prestigious "Journal of the Textile Association" (JTA) and other valuable literature to disseminate knowledge and research in the field.
- Networking Events: We provide numerous opportunities to connect with fellow professionals, industry leaders, and experts.

Past Events

- International Conference "Automation and Robotics in Textile &Apparel Industry"
- Hybrid Session "Automation of GST Refund for Textile Industry"
- Lecture "Opportunities & Threats Al poses for MSME textile units"
- International Conference "Sustainability and Circularity-The New Challenges for the Textile Value Chain"
- International Conference on - "Digitalization -A Step Towards Textile 4.0"
- International Conference - "TEXTILE 4.0-Global and Indian Perspective:
- Conference - "Make in India - Global Vision of Indian Textile Industry"

Become a Corporate Member of the TAI!

- This membership will be open to the Textile units, Fibre manufacturers, Textile machinery manufacturers, Dyes, Chemicals, and Auxiliary manufacturers, etc., connected with the Textile Industry and Textile Research Institutions and Laboratories.
- The Corporate Membership allows the right to depute four persons to participate in the activities organised by the Association. Such Nominees will enjoy all the facilities of Life Membership.

Why should you become a Corporate Member?

- Substantially concessional delegate fees for all our events.
- Opportunities to be part of delegations to major international textile events.
- A chance to enhance your professional qualifications.
- Access to our exclusive publications and e-journal.
- Networking opportunities with a vast community of textile professionals.
- Meet your peers
- Participate in cutting-edge discussions at the Conferences and Webinars
- The chance to discuss issues with highly experienced stalwarts of the industry.

Join us to be a part of a vibrant community and contribute to the future of the textile industry.

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29th Product-cum-Catalogue Show at Ranbanka Heritage Resort, Bhilwara held on 31st January 2026 clubbed with Academia Connect-Technology Networking Mission & Business meet on Technical Textiles

Textile Machinery Market Globally, its value was USD 27.8 billion in 2022, and will increase to USD 42.2 billion by 2030. Whereby the Indian textile machinery industry is a vital component of the nation's economy, comprising approximately 3,000 manufacturing units and a market size expected to reach USD 2.02 billion by 2033.

Mr. Omprakash Mantry, President, ITAMMA & Director, Century Inks Pvt. Ltd.

Presently the Indian Textile Engineering Industry is fulfilling only 60 % requirement of the domestic market of Rs 25,000 crore, with 94% capacity utilization with exports about Rs 6000 crores and imports about Rs 15200 worth Textile machines & accessories. It has targeted to reach to Rs 25000 crores by 2025.

India's vision for its textile industry by 2047 is to become a global powerhouse, achieving $600 billion in textile exports, domestic market of $1.8 trillion and & Technical Textiles Market of US$ 309 Billion.

Today textile market vision is the requirement of 20 MMT of all fibre supply, where Cotton is 7 MMT and MMF is 13 MMT, (Global MMF share in textiles 75% = $ 140 in 2021/22). If India needs to get into driving seat in MMF Textiles to achieve this target it will have to GROW in next 2/4 YRS TO $ 150 billion DOMESTIC $ 95 billion and $ 100 billion in EXPORTS.

MMFs are no longer just substitutes—they are becoming the backbone of the textile value chain. This shift carries profound implications for manufacturers, traders, and machinery providers, where sustainability, innovation, and regulatory compliance will define tomorrow's leaders.

The MMF era has arrived. Those who adapt early and decisively will shape India's textile growth story and secure their place in the global value chain.

Also today's era is driven by fast paced technological developments, demanding high level of creativity and innovation. It's a time that demands responsible and sustainable developments rather techno-commercial developments in the textile machines and accessories which can be accepted by the User Industry right from Ginning to Fashion. Today through digitalization and AI one can easily track the details of flow and operations of fibre, yarn, fabric up to Garment, retail and fashion stage. Thus connecting the manufacturers and processors of textiles (fibre, yarn, fabric) and machines/ spares/accessories with Garment, retail and Fashion industry for information and requirements of the goods as per Global market.

One should also keep in mind that garment sector creates employment for 50 individuals per crore of investment as compared to only 8 individuals by spinning, weaving and processing all together. Thus if India has to achieve its vision by 2047, to become a global powerhouse, then Textile and Apparel Sector growth should be garment led as it creates excellent Direct Employment Opportunities, uplifts the downstream Processes, engages with Global Brands thus strengthening Bharat's branding Globally.

For achieving these targets the requirements from Textile Engineering Industry will be Hi-tech machines delivering quality goods in mass quantities at competitive price. And at the same time the Quality Accessories and Spares helps these machines to sustain their performance at low maintenance cost considering high abrasion of machine parts due to MMF when compared with cotton.

Considering these vital aspects, ITAMMA had organized its 29th in series of the Product-cum-catalogue show at Ranbanka Heritage Hotel, Bhilwara on 31st Jan 26 from 2 pm onwards followed by Networking Dinner.

The show gave a common platform to the Industrialists from User Industry to explore an appropriate business partner for the innovative / quality spare parts and accessories to enhance and sustain the performance of their textile machines. It also gave an opportunity to the exhibitors from textile supply industry to understand the need and the future development plans of their customers to serve them better by restructuring their manufacturing process and products accordingly.

The purpose of this Catalogue Show was also to show to the textile industry the latest developments of new products (textile machines, spares & accessories) and to interact with the textile units and mills; with over 60+ exhibitors (list given below) and 500 + visitors as owners and technicians present will be most beneficial.

29th Product-cum-Catalogue Show at Ranbanka Heritage Resort .... Academia Connect-Technology Networking Mission & Business meet on Technical Textiles

The event got supported by Mewar Chamber of Commerce & Industry, Sangam University, MLV Textile & Engineering College, TEAM (Thriving Engineers Alumni of MLVTEC) with whom MoUs were also signed.

The Media Partners were Tecoya Trend, Textile Value Chain, Textile Trends, Textile Insights, Textile Sphere India, Times International, Textile Excellence and Textile Daddy B2B Portal (India).

The event will connect Academia, Industry Experts, Stakeholders and Govt. Bodies during special session on 'B. K. Mehta Technology Networking Mission' with expert's views on "Mind-to-Production-to-Market" for projects of students of ITAMMA MoU Partners (10+ textile universities & institutes) at PAN India.

The event got also clubbed with a Special Session on 'Technical Textiles Turnkey Projects' creating a platform for the development of Bhilwara technical textile textile Industry.

On behalf of ITAMMA, I cordially invite all Stakeholders-Manufacturers /Dealers / Traders, Industrialists-Owners/Technical Staff/Technicians, Educationalists, PRESS/Journalists /Associations /Chambers and ALL those in the field of Textiles, Technical Textiles and textile engineering to please visit this show and I am sure that you will definitely enhance your information and fulfil your requirements.

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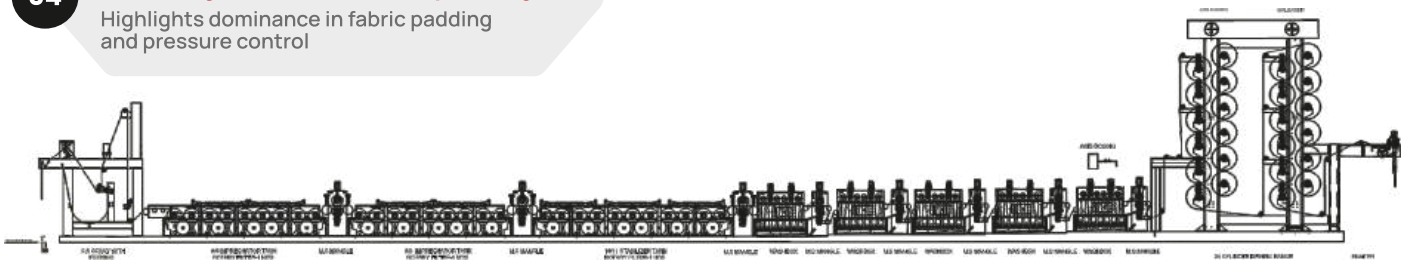

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Shahi Exports: LMW's Original Genuine Parts — Driving Profitability and Powering the Heart of Spinning Mills

LMW Limited, a global player in textile machinery manufacturing, shares a long-standing and successful partnership with Shahi Exports Pvt. Ltd., India's largest apparel manufacturer and exporter.

LMW has been at the forefront of enabling world-class spinning operations through advanced technology, precision engineering, and reliable OEM spares support. Trusted by leading textile manufacturers worldwide, LMW's end-to-end spinning solutions from Blowroom to Winder ensure consistent performance, higher productivity, and long-term operational efficiency.

Established in 1974 as a family-owned enterprise, Shahi Exports has grown into an industry benchmark with three fabric processing mills and over 50 state-of-the-art apparel manufacturing facilities across eight states in India. With a workforce of over 100,000 people, the company produces approximately 144 million garments annually and continues to set global standards through innovation, ethical manufacturing, and operational excellence. In 2012, as part of its backward integration strategy, Shahi Exports installed a 65,280-spindle Ring Spinning project from LMW, featuring smart machinery from Blowroom to Ring Frame, including Combers suitable for cotton and cotton blends, producing yarn counts from Ne 10s to Ne 60s in both carded and combed processes.

LMW is proud to be a technology partner in this journey, supporting Shahi's vision with robust smart spinning solutions that power quality, consistency, and long-term growth.

"We have trusted partners like LMW for the past 14 years, since inception of the Spinning division in 2012. Recently, we have upgraded all our 40 nos. LR9AX – Ring frames with Low Decibel HLLD Spindles & replaced all Technological components ensuring High productivity, Uniform yarn quality and seamless Industry 4.0 integration. Shahi Exports is knitting success with responsibility and shaping the future where Fashion & Sustainability go hand in hand."

Mr. Alagappan. R, Chief Operating Officer (COO), Shahi Exports Pvt. Ltd., Shimoga

Today, Shahi Exports continues to set benchmarks in the global apparel industry through innovation, ethical manufacturing, and operational excellence. LMW is proud to be a technology partner in this journey, supporting Shahi's vision with robust spinning solutions that power quality, consistency, and long-term growth.

Customer Business Objective: Increase speed and productivity while maintaining consistent quality

Shahi Exports Spinning division in Shivamogga, Karnataka wanted to achieve greater speeds, without compromising quality and started discussion with their reliable - partner LMW, to explore the latest Technological components and various performance improvement upgrades.

LMW's Contribution: Right parts, Right Time

LMW continuously innovates and develops new-generation products such as Credo+ Rings, HLLD High-Speed Low-Noise spindle assembly, Performance Enhancement Kits (PEK), upgrades & other technological components for achieving greater speeds without compromising quality.

Timely replacement of critical components such as Top Arms, Pressure hoses & Ledges, Lappet hooks, Rings, ABC Rings, Spindles, Cots & Aprons, and other genuine parts enabled Shahi Exports Spinning Division to increase productivity by up to 10% in their Ring frames. On time delivery of original genuine parts from LMW supported the customer in achieving their objectives.

OEM Spares **On-time Delivery**

Increased Productivity

"We would like to thank LMW for their continuous support to enhance our productivity & quality with their Spare parts, Upgrades - Performance Enhancement Kits (PEK) & Technological Components with which we successfully increased our productivity around 5 - 10% in our Ring frames at desired quality. We believe in Original Genuine parts for Blowroom to Ring frame machines, which has least risk of breakdown against spurious spare parts in the market."

S P Amanullah, Deputy General Manager (DGM) - Spinning, Shahi Exports Pvt. Ltd., Shimoga

In Summary: Delivering Excellence Through Collaboration

Shahi Exports' journey into backward integration stands as a powerful example of how strategic technology partnerships can unlock long-term operational excellence and business resilience. By choosing LMW's end-to-end spinning solutions and their genuine parts, Shahi has built a robust, high-performance spinning operation that consistently delivers quality, efficiency, and reliability at scale. This collaboration not only strengthens Shahi's vertically integrated model but also reinforces its ability to serve global markets with confidence, consistency, and sustainability.

Together, Shahi Exports and LMW demonstrate how smart machinery, trusted technology, and long-term spare parts & service support form the foundation for profitable, future-ready textile manufacturing. This shared commitment to excellence enables sustainable growth and consistent global competitiveness.

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Barmag bagged an honour of Gold Partner award

At this year's supplier conference held by polyamide yarn manufacturer Yongrong on January 17, Barmag was honored with the Gold Partner Award. The company presents the award to suppliers who make a significant contribution to the sustainable growth and success of the group.

Hou Xiaoguang, Head of Barmag China, represented Barmag at the attended the Yongrong Holding Group's supplier conference 2025.

The Yongrong Holding Group's supplier conference 2025 took place in Fuzhou, China, under the motto "Shaping the future together with a focus on value." As a long-standing strategic supplier, Barmag was invited and represented by Hou Xiaoguang, Head of Barmag China, and Felix Chau, Head of Sales China.

Felix Chau, Head of Sales China at Barmag, gave a speech reflecting the long-term partnership with polyamide yarn manufacturer Yongrong.

Barmag and the Yongrong Group have maintained a partnership-based business relationship since 2004, which has developed from a strategic to a value-adding collaboration over more than two decades. In the field of polyamide yarn production, the Yongrong Group is now one of Barmag's most important customers worldwide.

While the company initially used mainly standard equipment from Barmag, the focus is now on customized, innovative solutions that have been jointly developed and continuously optimized. Highquality, cutting-edge technology from Barmag, combined with the Yongrong Group's forward-looking strategy, has contributed significantly to the successful development of both partners.

In the future, both partners intend to further intensify their cooperation. The focus will be on developing environmentally friendly and intelligent production processes for the nylon industry, as well as a new model for a high-quality and sustainable industry.

About Barmag

Under the traditional name Barmag, the Swiss Oerlikon Group has been continuing its chemical fiber business as a subsidiary since 2025. This includes the established product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven. As a future-oriented company, research and development are focused on energy efficiency and sustainable technologies (e-save).

Barmag is one of the leading suppliers of filament spinning plants for chemical fibers, texturing machines, BCF plants, staple fiber plants and solutions for the production of nonwoven fabrics. 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 off by automation and digitalisation 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 China, India, Turkey and the USA. Barmag employs around 2,500 people worldwide and is represented in 120 countries with production, sales and service organisations. In the research and development centres in Remscheid, Neumünster (Germany) and Suzhou (China), highly qualified engineers, technologists and technicians develop innovative and technologically leading products for tomorrow's world.

CORPORATE NEWS

Barmag was honored with the Gold Partner Award as one of Yongrong's key suppliers.

Oerlikon (SIX: OERL) is a global leader in surface technologies. Headquartered in Pfäffikon, Switzerland, the Group has over 12,000 employees at 199 locations in 38 countries and generated sales of CHF 2.4 billion in 2024.

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Jeanologia shapes the denim of the future at Kingpins with unveiling new collection 'Mediterranean Soul'

- **The collection showcases the combined power of Laser and G2 Indra technologies to create authentic finishes without harming the planet or workers.**
- **The company also takes part in the 'Made in España' collective, which this year celebrates the strength and innovation of Spanish textiles at Kingpins Amsterdam.**

Jeanologia, the global leader in sustainable technologies for the textile industry, returns to Kingpins Amsterdam with its new collection "Mediterranean Soul", blending nature, creativity, and technology to prove that authentic denim can be designed and produced with efficiency and minimal environmental impact.

The collection draws inspiration from the power of the Mediterranean Sea and the essence of Valencia, Jeanologia's hometown. Following the devastating floods that hit the city in October 2024, the collection is a tribute to resilience, nature, and Mediterranean creativity, reinterpreted in the world's most universal fabric: denim.

"Mediterranean Soul is a story of resilience and creativity brought to life through denim," says Carme Santacruz, Creative Director at Jeanologia. The collection captures the Mediterranean beauty and vibrancy in every garment: the deep blues of the sea, the golden texture of sand, sunlight reflecting on facades, and the lively energy of urban and natural landscapes. More than fashion, it is a manifesto—environmentally conscious design that is at once authentic, innovative, and sustainable. "Mediterranean Soul is a journey that connects our roots with our global mission to detoxify and dehydrate the fashion industry, without sacrificing creativity or efficiency," adds Santacruz.

Laser + G2 Ozone: bringing Mediterranean landscapes to life through denim

To capture this Mediterranean spirit, Jeanologia combines its two most powerful technologies:

- **Laser,** which brings landscapes and natural textures to life with hyper-realistic, unique designs. It has transformed the way jeans are designed and produced, eliminating any hand tough and offering infinite creative possibilities. Today it allows reproducing vintage effects, 3D textures, breaks, or vector designs with precision, speed, and consistency, digitalizing the entire design process and ensuring creativity, quality, and efficiency.
- **G2 Ozone Indra,** whose ATMOS process creates abrasion and a wide variety of washes, from deep indigo blues to light tones, as well as blacks and greys. This "air washer" replaces traditional washing methods with ozone and precise humidity control, achieving authentic washes without water, chemicals, or pumice stones, and reducing both environmental impact and costs.

Together, Laser + G2 Ozone give designers total freedom to create authentic finishes with greater contrast, brightness, and naturalness, achieving true sustainability at the best cost.

'Digital to real', from virtual design to real garment

At Kingpins, Jeanologia also presents 'Digital to Real', a space where visitors can experience

how digitalization accelerates the design-to-production process. With eDesigner, brands can develop and visualize denim finishes in a fully digital environment, reducing up to 80 percent of physical samples, cutting emissions, and connecting creativity directly with production.

'Made in España': creativity, innovation, and sustainability

At Kingpins, Jeanologia takes part in 'Made in España', a space that celebrates the strength and creativity of the Spanish textile industry.

Together with Recover, Jeanologia showcases circular, responsible, and creative denim, highlighting new ways to enhance sustainability and close the loop in denim production.

Alongside TextilSantanderina and Pinter, the company will inspire visitors with a collection that blends art and fashion, a reflection of Spanish innovation, craftsmanship, and contemporary creativity.

Jeanologia: 30 years leading the transformation of the textile industry

Since its founding, Jeanologia has been on a mission to transform the textile industry into a more ethical, sustainable, and efficient model. The company works closely with brands, retailers, and suppliers on this transformative journey, offering disruptive technologies, innovative software, and a new operational model. Their groundbreaking solutions, including laser technology, G2 ozone, Dancing Box, e-flow, H2Zero, and ColorBox, have redefined garment design and finishing standards, eliminating polluting processes and significantly reducing the use of water, energy, and chemicals. Thanks to these advancements, Jeanologia has saved millions of liters of water and eliminated harmful substances, turning its vision of a truly sustainable textile industry into reality.

In 2025, Jeanologia celebrates its 30th anniversary, marking a legacy of three decades of sustainable innovation. From the introduction of its laser technology in 1999, which revolutionized denim finishing, to its current challenge of implementing a revolutionary sustainable garment dyeing process, the Spanish company has pioneered solutions that not only benefit the environment but also optimize operational costs. Looking ahead, Jeanologia remains committed to creating an eco-efficient and ethical textile future, encouraging all industry stakeholders to join its Mission Zero initiative: dehydrate and detoxify the textile industry. No more water and toxic chemicals used in garment finishing around the world

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❐

LENZING™ Lyocell Fill broadens portfolio to enhance comfort, resource efficiency and design versatility in filling applications

- A highly compatible blending partner, LENZING™ Lyocell Fill fibers now include a finer variant and a broader range of cut lengths, diversifying innovative filled product designs while enhancing thermal comfort.
- Besides thermal comfort and moisture control, LENZING™ Lyocell Fill fibers are produced with comparably less greenhouse gas emissions, and offer an alternative to fossil-based materials, benefiting the planet, consumers and the value chain[4].
- Lenzing will unveil the expanded portfolio during Heimtextil in Frankfurt, January 14–17, 2025.

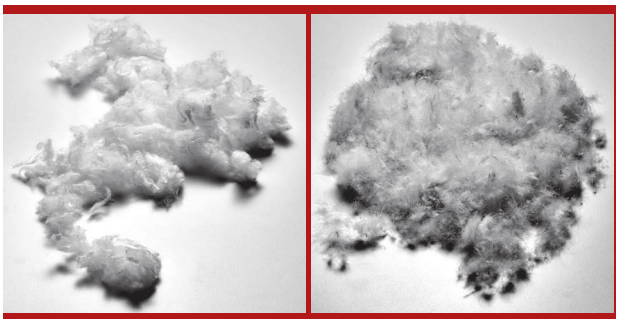
Lenzing – The Lenzing Group, a leading supplier of regenerated cellulosic fibers for the textile and nonwovens industries, today announced the expansion of its LENZING™ Lyocell Fill portfolio within the TENCEL™ family of fibers. This broader portfolio expansion introduces a finer variant with various cut lengths, tailored for filling applications in home textiles and apparel.

CORPORATE NEWS

With the planet at heart[2,4], our expanded LENZING™ Lyocell Fill fibers, both EU Ecolabel-certified and Climate Partner-certified[1], are versatile and can offeran almost endless variety of product designs and functions," said Caroline Ledl, Senior Director of Global Product and Application Management, Commercial Textile, Lenzing AG. "These fibers provide not only enhanced thermal comfort and moisture control butalso form-keeping properties. Leveraging our decades of experience in refining filling materials, we believe our expanded fiber portfolio will inspire like-minded industry partners to create even more innovative designs across various product applications."

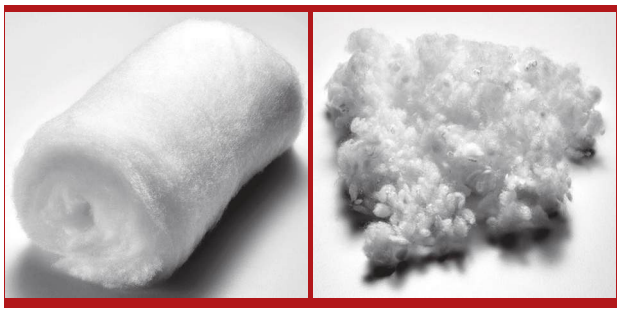
LENZING™ Lyocell Fill: a touch of enhanced comfort

Sinking into a pillow, snuggling under a cozy comforter, or resting atop a refreshing mattress pad could be an inviting experience with LENZING™ Lyocell Fill fibers. This expanded portfolio comes with effective moisture control for a natural dry feeling, contributing to thermal comfort essential for promoting better sleep.[7,8,9,10].



Featuring two distinct linear densities and various cut lengths, the expanded fiber portfolio offers enhanced compatibility to blend seamlessly with other filling fibers like polyester, and filling materials like down. This versatility supports different filling technologies and product constructions, catering to diverse design and application needs and specific consumer preferences in home textiles, apparel and beyond.

The new, finer fibers, suitable for not only carding but blow-fill technology, enhance the sensorial experience in pillows, stuffed toys, and other lightweight applications. Meanwhile, the established, coarser fibers continue to deliver inherent moisture control[6] and bulkiness for enhanced sleep comfort in comforters, quilts, and other home textile applications, particularly those using carding technology.



Manufacturers and consumers seeking to lower the consumption of fossil-based materials will benefit from the responsibly sourced[3] and resource-efficiently produced[2] LENZING™ Lyocell Fill fibers, which are made from wood, a natural raw material that is both gentle on the skin[6] and the environment.

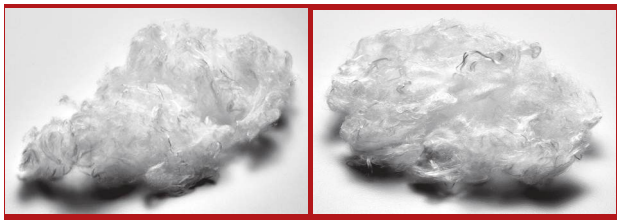
The expanded LENZING™ Lyocell Fill portfolio will be unveiled at the Lenzing booth (Hall 11, booth #A11) during Heimtextil in Frankfurt, January 14–17, 2025. Visitors can connect with Lenzing experts and discover how these innovative fibers can elevate product offerings.

Facts and figures

The expanded LENZING™ Lyocell Fill portfolio features two linear densities and five cut lengths:

- **1.7dtex:**. Finer variant available in 60mm with options coming soon in 16mm and 32mm. Particularly suitable for blow-fill applications (e.g. pillows and stuffed toys) and blends with premium materials (e.g. down, feather and silk). The 1.7dtex/60mm variant is designed for application in apparel fillings (e.g. jackets).

- **6.7dtex:** Established fiber for carding and blow-fill applications. Available in 32mm and 60mm cut lengths. Excels in comforters, quilts, and other home textile applications.



About the Lenzing Group

The Lenzing Group stands for the ecologically responsible production of regenerated cellulose fibers based on cellulose and recycled material. As an innovation leader, Lenzing is a partner to global textile and nonwoven manufacturers and drives many new technological developments. The Lenzing Group's fibers are the raw material for a wide range of textile applications – from functional, comfortable and fashionable clothing through to durable and sustainable home textiles. A range of LENZING fibers is also certified by TÜV AUSTRIA for the following properties: biodegradable in soil, fresh water and marine environment as well as compostable in home applications and industrial facilities.

The Lenzing Group's business model extends far beyond that of a conventional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for efficient utilization and processing of all raw materials used and offers solutions for the transformation of the textile industry from the current linear economic system to a circular economy. In order to reduce the rate of global warming and thereby also support the goals of the Paris Agreement and the EU Commission's Green Deal, Lenzing has a clear, science-based climate action plan that aims for a significant reduction in greenhouse gas emissions by 2030, and a net-zero target (Scopes 1, 2 and 3) by 2050.

For further information, please contact:
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Lenzing Group
Email: r.ng@lenzing.com

Durak Tekstil to exhibit its innovations for mattress industry at ISPA EXPO 2026

Durak Tekstil threads that meet the standards required for high-quality, long-lasting and comfortable products demanded by the mattress industry, while also offering new possibilities, will be exhibited at ISPA EXPO 2026. The fact that the fair is being held in the U.S.—one of Durak Tekstil's key target markets—also carries great significance.

One of the leading manufacturers of industrial sewing and embroidery threads, Durak Tekstil will present its solutions at booth 711 during ISPA EXPO 2026, to be held in Orlando, Florida, on March 10–12. At the fair, highlighted by the slogan "The Future of Sleep Starts Here!", Durak Tekstil will not only showcase its high-quality and technical threads for mattresses and quilting—considered the most important components of the sleep industry—but will also focus on increasing its brand awareness in the U.S. market.

With the establishment of Durak USA Inc. in early 2025, the company entered the American market directly, significantly strengthening its supply processes and ability to reach local markets. At ISPA EXPO 2026, one of the global meeting points of the mattress and related industries, Durak Tekstil will present a wide range of sewing and embroidery threads to industry professionals at its booth, including Durak Duma, Durak Duraless, Durak Durabobbins, Durak Fire Safe P-Aramid and Durak Bug Safe.

Yiğit Durak, Vice Chairman of the Board of Directors of Durak Tekstil, stated that they attach great importance both to the mattress and quilting

industry in terms of application segments and to the U.S. as a target market. "Durak Tekstil touches every aspect of life with its sewing and embroidery threads that serve many different industries. We provide solutions across a wide range of fields, from automotive to apparel, from medical to protective textiles. The mattress and quilting industry is also among our most important markets. The sewing and embroidery threads we develop offer manufacturers new opportunities not only through their performance but also through their functional properties. In addition to our fire-resistant threads, our pest- and insect-repellent threads create significant added value for this industry. Alongside the products we will exhibit throughout the fair, we will also emphasize that we are a reliable partner as a Türkiye-based brand. For our customers, the principle of uninterrupted and on-time delivery is just as important as offering the best threads. As Durak Tekstil, we will take part in ISPA EXPO 2026 to further advance our export-oriented growth strategy," he commented.

5 Solutions and Dozens of Application Opportunities

At ISPA EXPO 2026, the Durak Tekstilbooth will highlight Durak Duma, Durak Duraless, Durak Durabobbins, Durak Fire Safe P-Aramid and Durak Bug-Safe threads.

Produced from 100% high-tenacity continuous filament polyester, DURAK Duma® sewing thread sets new standards for users. With stable thread tension and a non-collapsing structure, it provides up to three times more thread compared to its counterparts, offering fewer bobbin changes. Thanks to its solid core, DURAK Duma® enables manufacturers to achieve up to 10% higher productivity. Delivering high efficiency and performance, this sewing thread meets a wide range of demands, from home textiles to mattress and quilting, embroidery and outerwear, lingerie and the automotive industry.

Durak Duraless® pre-wound bobbin thread offers at least twice or more length advantage compared to standard use. Treated with special lubricants to enhance sewing performance, the thread helps improve sewing quality and production efficiency. With stable thread tension from start to finish, Durak Duraless® is safely used across many applications, including workwear, apparel, mattress and quilting, underwear and home textiles.

Responding to manufacturers' increasing cost sensitivity, DURAK Durabobbins® thread delivers minimum waste and maximum benefit. Produced from core-spun and staple fiber polyester, the length variation between each bobbin is kept at a very low level of around 1% thanks to precision winding technology. Preferred by manufacturers demanding high sewing quality, the thread also proves its success in long-lasting applications with its color fastness values.

Durak® Fire Safe P-Aramid® sewing thread, with fire resistance up to 500°C, enables safer products in the mattress industry. The natural light-yellow P-Aramid thread is also designed to meet the flame retardancy and high-strength requirements of the automotive and thermal insulation industries. By reducing the risk of rapid fire spread and helping prevent loss of life and property, Durak® Fire Safe P-Aramid® thread is certified in accordance with internationally recognized standards such as EN ISO 15025 for flame resistance.

One of the most significant challenges for the mattress industry is pests. Offering a clear solution to this issue, Durak Bug Safe® thread repels tiny organisms such as mites from sewing areas, preventing their proliferation. Without using chemicals harmful to the environment or human health, this thread stands out as a sustainable solution by keeping pests away from the area. Thanks to special finishing processes, Durak Bug Safe® thread enables neatsewing appearance even on fine fabrics while maintaining its pest-repellent properties for up to 30 washes.

At ISPA EXPO 2026, visitors will have the opportunity to closely examine solutions that add value to the mattress and related industries at Durak Tekstil's booth 711, as well as to obtain detailed information about innovative, R&D-driven technical threads.

About Us

Founded in 1972 in Bursa, Durak Tekstil develops and produces sewing and embroidery threads and sells them domestically and internationally. Durak Tekstil has a production facility in Türkiye, as well as several sales offices and representatives abroad. The company, which cooperates with global brands from Türkiye and abroad, responds to the textile industry's growing demand for quality and qualified products.

Thread solutions developed and manufactured by Durak Tekstil are preferred in apparel/garment, footwear/leather, denim, outdoor, automotive, mattress/quilting, broderie and embroidery applications, as well as in protective technical textile applications where flame-retardant and cut-resistant threads are used.

For further information, please contact:
Durak Tekstil ❐

Kornit Digital unveiled Groundbreaking Digital Production "Innovation Hub" at Impressions Expo Long Beach

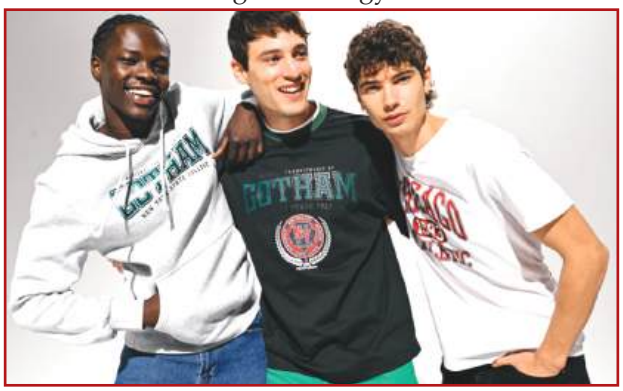
- Attendees to experience direct-to-garment technology, dramatically transforming the future of apparel decoration – empowering brands and producers to thrive in a rapidly evolving market

Kornit Digital LTD. (NASDAQ: KRNT) ("Kornit" or the "Company"), a global pioneer in sustainable, on-demand digital fashion and textile production technologies, announced the Company brought its award-winning direct-to-garment solutions to an exclusive "Innovation Hub" at Booth No. 1061 during Impressions Expo – taking place January 23 – 25 in Long Beach, CA. The vibrant showcased feature direct customer engagements, access to Kornit's new leadership team in the Americas – as well as presentations of both the Kornit Atlas MAX and field proven Kornit Apollo Platform.

As the industry continues to embrace a shift towards digital production, the exhibition got designed to showcase how Kornit is at the very forefront of this transformation – unlocking new opportunities and revenue streams for both screen printers and creative entrepreneurs. Kornit solutions empower brands, producers, and creators to dramatically expand their production capabilities, drive new demand, and future-proof their operations.

At the heart of Kornit's exhibition an exciting lineup of highly engaging digital production experienced, as follows :

- **Interactive Theater/Demonstrations:** Diving into the latest advancements and applications across digital apparel production, including its ability to drive new business and enhance sustainability.
- **Neon Glow Tunnel:** A bold, visually striking showcase of Kornit's advanced neon printing capabilities.
- **Touch-and-Feel Wall:** A hands-on experience across a variety of digitally printed textiles to compare the unparalleled quality and versatility of digital production.
- **Color-Matching Corner:** Enabling visitors to witness the precision and accuracy of Kornit's color-matching technology.



"Under Ilan's leadership in the Americas, Kornit has consistently driven transformative initiatives, powered by cutting-edge solutions and unparalleled support that empower our customers to grow, innovate, and achieve success," said Chris Carson, Vice President of Sales for North America at Kornit Digital. "For screen printers and creative entrepreneurs, transitioning to digitally printed textiles is no longer optional—it's essential to remain competitive and thrive in the evolving market. Kornit is uniquely positioned to make this transformation a reality."

About Kornit Digital

Kornit Digital (NASDAQ: KRNT) is a worldwide market leader in sustainable, ondemand, digital fashion, and textile production technologies. The company offers end-to-end solutions including digital printing systems, inks, consumables, software, and fulfillment services through its global fulfillment network. Headquartered in Israel with offices in the USA, Europe, and Asia Pacific, Kornit Digital serves customers in more than 100 countries and states worldwide. To learn more about how Kornit Digital is boldly transforming the world of fashion and textiles, visit www.kornit.com.

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Sold-Out Industrial Inkjet Print Technology displays Signals Accelerating Adoption Across Advanced Manufacturing

As manufacturers look for new growth, margins and business models, industrial print emerges as a profit-enabling production platform

A new sold-out industrial inkjet print showcase took place in Munich this month is sending one of the clearest signals yet that industrial print technologies are entering a new phase of commercial adoption, as manufacturers increasingly integrate inkjet into production-scale environments.

FuturePrint Industrial Print, which takes place on 21–22 January 2026, has officially sold out all exhibitor space ahead of its inaugural edition. The response reflects growing global demand for production-ready industrial inkjet technologies across packaging, décor, electronics, product customisation and functional manufacturing.

Industry analysts forecast strong sustained growth for the sector. Market research from Fortune Business Insights indicates that the global industrial inkjet printer market is projected to reach nearly USD 12 billion by 2034, driven by accelerating adoption across manufacturing, packaging, product decoration and industrial production environments. Against this backdrop, the sell-out highlights a market that is moving beyond pilots and proofs of concept, toward scalable deployment, strategic investment and measurable commercial impact.

For manufacturers, converters and technology providers, this shift represents a major business and profit opportunity. Industrial print is no longer simply an alternative imaging process. It is increasingly a manufacturing platform that canreshape how products are designed, produced and monetised.

Crucially, industrial inkjet is now being adopted not only to improve efficiency, but to improve manufacturing economics. By removing tooling constraints, reducing set-up times, cutting waste and enabling late-stage differentiation, industrial inkjet technology is allowing companies to respond profitably to shorter runs, unlock premium pricing, protect margins and make complex, customised or functional products commercially viable at scale.

For manufacturing performance, the real opportunity lies in what industrial inkjet makes possible. From mass customisation and digital inventory to functional integration and direct-to-product manufacturing, industrial inkjet is opening routes to new revenue streams, higher-value applications and entirely new business models. For converters and print businesses, this includes a pathway into manufacturing services and higher-margin industrial markets. For manufacturers, it enables faster product innovation, more responsive supply chains and the ability to monetise speed, flexibility and product differentiation.

The exhibitor profile in Munich reflects this shift. More than 50 carefully selected companies are presenting technologies spanning additive and functional inkjet, direct-to-product manufacturing, decorative surfaces, packaging, labels and direct-to-shape production. For visitors, this creates a rare opportunity to evaluate enabling technologies side-by-side, explore real manufacturing applications and identify where industrial print is already delivering commercial value.

Alongside the exhibition, a high-level conference programme brings together 40+ speakers from across the industrial print and advanced manufacturing ecosystem, addressing real-world deployment across electronics, 3D inkjet, décor, packaging and smart surfaces. A dedicated AI for Industrial Print Conference on 22 January examines how artificial intelligence is amplifying industrial print's business impact, from automation and predictive quality control to throughput optimisation and data-driven production decision-making. For delegates, the emphasis is firmly on practical insight linked to commercial outcomes.

The strong response to this new Munich event also reflects a broader change in buyer behaviour. Decision-makers now arrive informed, commercially focused and actively evaluating where digital processes can deliver competitive advantage, revenue growth and margin improvement. As a result, demand is growing for focused, insight-led events that connect technology capability directly to manufacturing strategy and profit potential.

Hosted at Motorworld Munich inside the historic Kohlebunker venue, FuturePrint Industrial Print has been designed around this need - offering an industrial, human-scale setting intended to support in-depth technical exchange, peer-to-peer learning and strategic discussion between technology developers and end-user manufacturers.

With exhibitor space fully booked and delegate registrations accelerating from across the global manufacturing ecosystem, the sell-out is being widely viewed as a further indication that industrial inkjet is moving into a new phase of relevance - not as a future option, but as a present-day driver of profitable manufacturing models.

A limited number of delegate places remain available. Complimentary passes are available using code SALE100 available to media and readers until close of business Monday 19 January!

For further information, please contact :
FuturePrint
Chancery House, 41a Hanger Hill,
Weybridge, Surrey KT13 9XZ, United Kingdom ❐

7th Bi Annual All India Cotton Conference 2026

Passion – Report – Power – Cotton

Organisers are pleased to inform you, the Indian Cotton Federation jointly with Indian Cotton Association Ltd, Bathinda are organising the 7th All India Cotton Conference at Coimbatore during 21st & 22nd August 2026.

The conference will be for 1 ½ days i.e 21 st August afternoon and 22nd August 2026 full day up to evening 6.p.m.

A great opportunity for the entire cotton textile value chain i.e. Ginners, Textile Mills, Garment manufacturers, Yarn traders, Textile machinery manufactures, Logistics, etc.etc can exchange their views/ ideas, a lot of O.E manufacturers, Textile value chain etc will be participating in the deliberations.

Our sponsors play an important role in our event. You are also our valuable partner. We are committed to make sure; you get most out of your financial commitment. Sponsorship also will be cost effective with promotional and beneficial friendly packages which you should never miss. Hence plan before hand and join these deliberations and get benefited in various business promotions. Further briefs will be at frequent intervals.

J. Thulasidharan President	**P. Nataraj** Vice President & Conference Chairman	**Adityakrishna Pathy** Vice President
Nishant A. Asher Hon. Secretary		**Chetan H. Joshi** Joint Secretary

For further information, please contact :
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Email : sicacoimbatore@gmail.com
Website : www.icfcotton.in ❐

ITM 2026 exhibition to focus deeply on sustainable product; on and digital technologies

Shaping the transformation of the textile industry, the ITM 2026 International Textile Machinery Exhibition is set to lead the sector into the future with a strong focus on sustainable production and digital technologies. From environmentally friendly machinery to smart manufacturing systems, from energy-efficient solutions to artificial intelligence–supported applications, ITM 2026 will present a broad vision that defines the roadmap of textile technologies for the industry.

The ITM 2026 Exhibition, which will be organized in collaboration with Tüyap Tüm Fuarcılık Yapım A.Ş. and Teknik Fuarcılık A.Ş. and in partnership with Textile Machinery and Accessories Industrialists Association (TEMSAD), will welcome visitors at the Tüyap Fair and Congress Center from June 9–13, 2026. Bringing together leading manufacturers of textile technologies, ITM 2026 will focus this year on the industry's two most critical agenda items: Green Technologies and Digital Integration.

A Climate-Friendly Future in Textiles Takes Shape at ITM 2026

In line with global climate goals, the textile industry is undergoing a profound transformation. As a pioneer of this change, ITM 2026 will bring visitors a wide range of innovations—from dyeing technologies that minimize water consumption to weaving looms engineered for maximum energy efficiency. The "Green Machines" to be showcased throughout the exhibition will not only reduce carbon footprints but will also breathe new life into the circular economy with their superior performance in processing recycled raw materials.

Sustainable Production at the Center of ITM 2026

At a time when environmental responsibility is gaining increasing importance on a global scale, sustainable production in the textile industry is no longer a choice but a necessity. ITM 2026 will showcase the most tangible examples of this transformation. Durable, high-performance machines that contribute to the conservation of natural resources will form the backbone of the exhibition's green technology vision. Energy-saving systems, solutions enabling closed-loop water usage and environmentally responsible chemical applications will strongly reflect ITM 2026's sustainability approach. The exhibition will offer manufacturers the opportunity to explore technologies that create added value both environmentally and economically.

The Latest Technologies from Artificial Intelligence to Digital Twins

ITM 2026 will highlight the transformative power of digitalization in textile manufacturing. Machines equipped with artificial intelligence, automation, data analytics, and digital twin technologies will stand out with solutions that deliver speed, quality, and flexibility in production. Through digital integration, real-time process monitoring, increased efficiency, and reduced error rates will become achievable. Playing a critical role in the transition to smart factories, these technologies will not only be showcased at ITM 2026 but will also provide an inspiring platform for knowledge and experience sharing among industry professionals.

TEXTILE EVENTS

A Strategic Platform for Global Investors

Bringing together the world's leading textile machinery manufacturers, industry representatives, investors, and professionals in Istanbul, the ITM 2026 Exhibition will serve as a strategic business development platform for global investors. Company owners and industry professionals will have the opportunity to hear directly from experts about the latest technological solutions needed to future-proof their facilities and to experience next-generation R&D developments firsthand. Visitors will be able to closely explore innovations developed around sustainability and digital transformation in the textile industry, enabling them to make informed decisions that shape their investments.

Get Your Online Invitation Before It's Too Late!

We have an online invitation system that allows our visitors who do not want to miss this great meeting to easily enter the ITM 2026 Exhibition. Our visitors can register online by clicking on the e-invitation link at www.itmexhibition.com. After filling out the visitor information form, their e-invitation is sent to them by e-mail. With this e-invitation, they can get their badge at the entrance of the fairground and enter the ITM 2026 Exhibition without waiting in line. Those who register early for the online invitation system can also benefit from our advantageous prices.

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SaigonTex 2026 (36th year)

Vietnam Saigon Textile & Garment Industry Expo (including textile equipment machinery, garment machinery, non wovens, dyes and chemicals)
8 - 11 April, 2026, SECC, Hochiminh City, Vietnam

All Textile Community is cordially invited to participate in SaigonTex 2026, Vietnam's premier textile and garment industry exhibition series since the 1990s.

The previous event was successfully held from April 9 to 12, 2025, attracting over 32,000 buyers and 1,068 exhibitors from 26 countries/regions. It featured pavilions / groups from Jiangsu China, Taiwan, Korea, Hong Kong, India and Turkey etc.

Vietnam's textile and garment export turnover reached USD 46 billion in 2025, a 5.6% increase compared to 2024. The Vietnam Textile and Apparel Association (VITAS) notes that Vietnam exporters are increasingly targeting markets in the Middle East and Africa. This trend is driving the need for Vietnam to expand production facilities with greater technological and design capabilities to meet the demands of these new markets.

Exhibition space is limited - register now!

Over 95% of the exhibition spaces has already being booked. Please register now to secure your booth! For more details and to register, please visit www.sgntex.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 CP shows in Vietnam:
HanoiTex 2026 - Hanoi Textile & Garment Industry Expo
21 - 23 October, 2026, ICE, Viet-Xo Cultural Palace, Hanoi, Vietnam

North Vietnam (Hanoi)'s development is so fast recently. Comparing to the South Vietnam (Hochiminh City), it has a lower labor and production cost, better cross-border connection with the southern China.

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

Textile Fairs India

Integrating the textile value chain

India's most trusted B2B trade shows for sourcing, networking & business opportunities in 6 major textile centers for the last 22 years.

About TFI

TFI – Textile Fairs India is the leading and most trusted B2B trade show in India to source from textile raw materials to finished products. Organized by S S Textile Media Pvt. Ltd. (SSTM), Bangalore, TFI has been focussed and passionate in creating valuable brands that serve the entire textile value chain.

Vision

To integrate the entire supply chain from fibre to finish for the discerning buyers globally.

TFI is held in six textile centres in a year in North, South, East, West and Central zones of India. The suppliers have marketing opportunities all – round the year, while the buyers have multiple avenues to search for their perfect sourcing partner from India and overseas.

Global Textile Source

About GTS

The world is steadily transitioning into the digital era, with this shift, global B2B online business has experienced

remarkable growth, as buyers increasingly rely on digital platforms to search for products and connect with reliable suppliers. In line with this evolution, GTS has emerged as a trusted and fast-growing digital marketplace, attracting strong traffic from both India and overseas. The platform continues to build its reputation as a robust hub for global trade, sourcing, and business networking.

For Manufacturers

GTS connects global buyers with worldwide Manufacturers & Suppliers of Fibres, Yarns, Fabrics, Trims, Embellishments, Garments, Fashion Accessories, Home Textiles, Home Décor, Technical Textiles, Dyes & Chemicals, Packaging Materials, Machinery & Services.

For Buyers

Buyers in the portal are enabled to source from Suppliers & manufacturers on the basis of Products, Product categories, Locations etc, as well as post individual enquiries online.

Exhibitor Profile

- Fibers
- Yarns
- Fabrics
- Trims & Embellishments
- Dyes & Chemicals
- Garments
- Fashion Accessories
- Home textiles & Decors
- Technology
- Services

For further information, please contact :
S S Textile Media Pvt. Ltd.
Website : www.textilefairsindia.com
Email : sstm@textilefairsindia.com ❐

Intertextile Shanghai Apparel Fabrics

11-13 March 2026

National Exhibition and Convention Center (Shanghai), China

Explore Intertextile Apparel's diverse halls and key exhibitors

Less than two months left until the Spring / Summer sourcing season begins!

Preparation for the show is in full swing – preview the hall overview to plan your sourcing itinerary in advance. In addition, the global exhibitor search is live and confirmed exhibitors will be added to the list daily, while you can also mark down some of the highlighted fabrics exhibitors to narrow your sourcing criteria.

Our topics for you:

- Map out your sourcing journey
- Get to know the key fabrics exhibitors at Intertextile
- Prepare for a refreshed fringe programme
- Pre-registration is open
- Other upcoming textile fairs

Map out your sourcing journey

Intertextile Apparel will encompass seven halls at the National Exhibition and Convention Center, while the platform including concurrent shows will occupy 14 halls altogether.

- Overseas exhibitors will be located in Halls 5.1 (International Zone), 7.2 (Beyond Denim), and 1.2 (Accessories Vision).
- Domestic exhibitors can be found in Halls 1.2, 6.1, 6.2, 7.1, 7.2, and 8.1, featuring accessories, suiting and shirting fabrics, functional wear and sportswear fabrics, ladieswear fabrics, casualwear, denim, and more.
- Concurrent shows include Yarn Expo in Hall 8.2, Intertextile Shanghai Home Textiles in Hall 5.2, CHIC in Halls 1.1, 2.1, 3, and 4.1, and PH Value in Hall 3.

Get to know the key fabrics exhibitors at Intertextile

Get ready to connect with leading suppliers in Shanghai! Key players from across the global apparel textile industry will be on show – preview our featured fabrics exhibitors for sourcing inspiration.

Also, click here to browse prominent domestic exhibitors from Guangzhou, Hangzhou, Jiangsu, Shandong, Wuxi, Zhejiang, and more.

Prepare for a refreshed fringe programme

Get ready for an exciting lineup of fringe events, featuring a familiar favourite with fresh innovations!

Explore the Intertextile Directions Trend Forum, with its new theme unveiling upcoming fashion trends; find green offerings in the Econogy Hub Display Area; and discover functional solutions in The CUBE. This edition will also welcome the launch of Pet Boutique, a display area showcasing innovative, sustainable, and functional pet apparel fabrics and accessories.

Additionally, be sure to participate in our engaging seminars and themed forums, designed to foster creative discussions and inspire new perspectives. Don't miss out on this dynamic opportunity to enhance your experience!

For further information, please contact :
social@textilesouthasia.com ■

A LEGACY OF CONSISTENT PERFORMANCE

Sakthi
TOP ROLLERS

TECHNICAL EXPERTISE MATTERS

The new generation preparatory machines in spinning industry demands more precision to yield maximum productivity with high quality yarn. Latest development of Draw frame toproller from Reiter and Lakshmi with non-greasing type to serve the said purpose.

'Sakthi" is the only manufacturer can supply the same in the replacement market. In addition modified greasing type also can be supplied at par quality which can be labour friendly and easy handling

Shells & End Bushes

Manufactured by CNC m/c ensuring high precision tolerance, our Top Rollers are made of High Grade Alloy Steel as per OEM recommendations.

End Bush Bearing and Grease

Bearings: To extend life and minimum wear and tear, Sakthi End bushes are being fitted with INA-Germany NTN, IKO-Japan needle/cage bearings.

Grease: Periodic lubrication is recommended for extended life of the bearings. Sakthi End bushes are packed with high speed grease during delivery.

Synthetic Rubber Cots

Imported Cots: Imported Twin layer, Press Fit cots like Accotex, Daytex, Berkal & Yamuchi etc., can be supplied with Sakthi Top roller duly mounted.

Indigenous Cots: Indian Glue on, Twin Layer, Press fit cots can be supplied with our Top roller duly mounted. Periodic buffing is recommended based on the shore hardness of the cots, count of cotton and basic raw material of the yarn.

Mounting and Buffing: Inhouse mounting facility will ensure the accurate fitment of all kind of cots.

'Sakthi' Top roller quality is taken care in every stage of operations up to final assy by QC team. As per customer choice any make and kind of cots can be duly mounted and supplied with our top roller.

SAKTHI TEXTILE ENGINEERS

Factory & Admin Office

207-A, Bharathiyar Road, Samathottam, Ganapathy,
Coimbatore - 641 006, Tamilnadu, India.

Tel : +91 422 4275593, Mobile : +91 95009 90590, Office : +91 95009 90595,
Sales : +91 95008 50590, Email : sales@sakthitop.com / sundar@sakthitop.com,
Web : www.sakthitop.com

Visit Us

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Texfair

6 - 9 March 2026
Codissia Trade Fair Complex
Coimbatore, India

Stall No.C-15

PROCESS CONTROL INSTRUMENTS FOR SPINNERS

DRAW FRAME TOP ROLLER LOAD GAUGE - SUNRISE NILOMETER

(For individual & independent end load measurment of top rollers)

(With 2 Dials & Planometer)

(For draw frame, comber, sliver lap, ribbon lap.)

It helps decrease Sliver CV%, Strength CV% and count CV% besides improving appearance. It is a must for better Uster Values.

SUN TARP GAUGE (TOP ARM LOAD GAUGE)

Replaceable varying sized rollers for specific roller cover size running in the mill

YARN SPLICE TESTER (PORTABLE)

ANALOG MODEL RANGE 500, 1000, 1500 & & 2000 GMS.

DIGITAL MODEL RANGE UP TO 2000 GMS. LEAST COUNT 1 GM.

DIGITAL YARN TENSION METER

RANGE UP TO 200 GMS, 500 GMS & 1000 GMS

DIGITAL MOISTURE METER

RANGE UP TO 50% (For Cone, Loose Cotton, Bale)

PACKAGE HARDNESS TESTER

(For Cone, Warp Beams, Bobbin)

DIGITAL STROBOSCOPE

LED FLASH TYPE

(For Spindle RPM Measurement)

SUNRISE INDUSTRIES

12-A Chinai Estate, Dudheswar Road, Ahmedabad - 380 004. (INDIA), M: 98252 26318
E-mail : sunriseindustriesahmedabad@gmail.com / 9825226318j@gmail.com,
Website : http//www.sunriseindustries.co.in / www.sunriseindustries.net / www.homogenisers.in

THE INTELLIGENT CARD

Next-generation intelligent carding:
The TC 26^{i}

Operator-independent high performance with the only proven T-GO gap optimizer which ensures consistent and optimal carding gaps, resulting in multi-fold increases in quality and productivity levels. Intelligent automation using data from our proven T-CON 3 system.

Up to 2% raw material savings with WASTECONTROL and new generation PMS-2 Precision Mote Knife System for the licker-in.

TRÜTZSCHLER
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CODISSIA TRADE FAIR COMPLEX
Coimbatore, Tamil Nadu, INDIA

Witness the wide range of technological advancements in TEXTILE ENGINEERING

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THE SOUTHERN INDIA MILLS' ASSOCIATION
Coimbatore, Tamil Nadu, INDIA. Ph: (+91) 422 4225333
Email: texfair@simamills.org | Website: www.simatexfair.org

SOME PARTICIPANTS AND THEIR EXHIBITS

Vetri Engineers

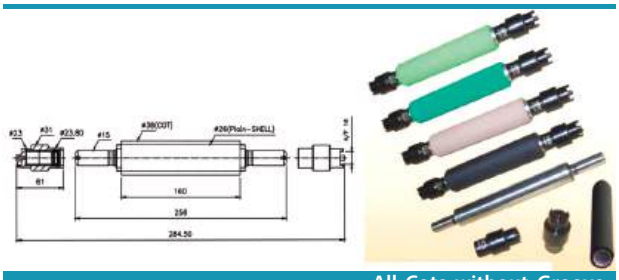
Stand B-83

Vetri Engineers expanding its globals footprint despite with hightech innovations

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.

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

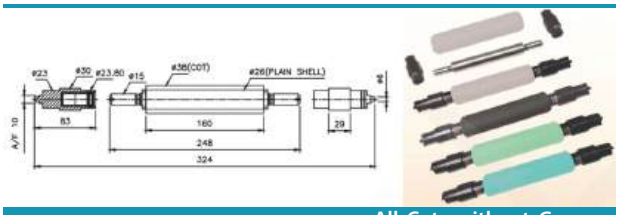
As a special consideration in the present textile crisis and to compensate the Tariff tensions, we, Vetri Engineers, continue to extends support with flat 20% special discount for our Vetri Top Rollers.

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

Oerlikon

Emphasize on polyamide yarn systems

First PA66 spinning plant with EvoQuench successfully commissioned

With the successful commissioning of a multi-digit PA66 spinning line for microfiber yarns, Chinese textile company Shandong Nanshan Fashion Technology Co., Ltd. has added yarn production to its textile value chain.

The world's first PA66 spinning plant in combination with an EvoQuench radial quenching system achieved excellent yarn data right from the start with high plant efficiency. The new plant produces high quality microfiber yarns for its own downstream production stages. In its first year of operation, the yarn produced on the Barmag plant has already established itself as a first-class product in terms of quality and price. This provides the company with the best conditions for the internationalization of its fashion brands.

The large-scale polyamide 66 project reflects the current market demand for polyamide yarns as a whole. "We are seeing increased interest in polyamide yarn plants. PA66 is a particular focus," notes Barmag Sales Director Jens Schumacher. "We have recently signed contracts for two more similar projects in East Asia." The more comfortable wearing properties of polyamide compared to polyester justify the higher yarn price and thus make polyamide yarn production profitable; EvoQuench radial quenching also enables the efficient production of microfiber yarns.

The EvoQuench radial quenching system enables efficient production of microfiber yarns for both PA6 and PA66.

Strategic partnership for PA6 and PA6.6 solutions

At the end of 2023, Barmag and Nanshan Fashion signed a strategic cooperation agreement for polyamide POY and DTY. This laid the foundation for chemical fiber production at Nanshan Fashion. The company is part of the publicly traded Nanshan Group and is one of the top 500 companies in China.

About Barmag

Under the traditional name Barmag, the Swiss Oerlikon Group has been continuing its chemical fiber business as a subsidiary since 2025. This includes the established product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven. As a future-oriented company, research and development are focused on energy efficiency and sustainable technologies (e-save).

Barmag is one of the leading suppliers of filament spinning plants for chemical fibers, texturing machines, BCF plants, staple fiber plants and solutions for the production of nonwoven fabrics. 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 off by automation and digitalisation 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 China, India, Turkey and the USA. Barmag employs around

2,500 people worldwide and is represented in 120 countries with production, sales and service organisations. In the research and development centres in Remscheid, Neumünster (Germany) and Suzhou (China), highly qualified engineers, technologists and technicians develop innovative and technologically leading products for tomorrow's world.

Oerlikon (SIX: OERL) is a global leader in surface technologies. Headquartered in Pfäffikon, Switzerland, the Group has over 12,000 employees at 199 locations in 38 countries and generated sales of CHF 2.4 billion in 2024.

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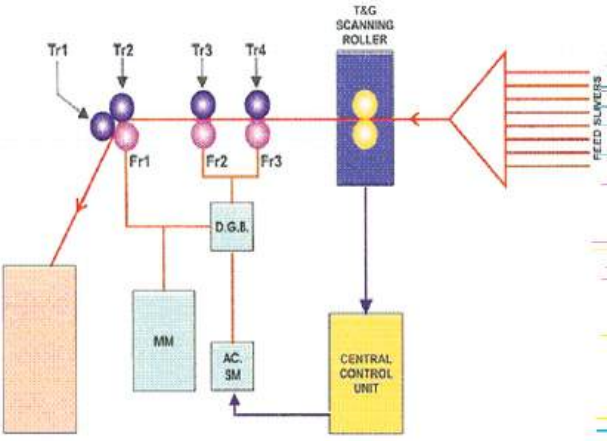
Sakthi Textile Engineers

Stall No. C-15

Sakthi Textile Engineers a leading manufacturer of excellent quality 'Top Rollers' with two decades long experiences

SAKTHI is involved in the manufacture of Excellent Quality Top Rollers suitable for textile Preparatory & Spinning machines as a replacement spare for various type of Draw frame, Comber, Sliver lap, Ribbon Lap and Uni Lap machines. Established since 2007, SAKTHI is promoted and run by a team of dedicated team of qualified engineers with a decade of manufacturing and development experience in engineering. SAKTHI'S motto is to provide quality products in the Spinning process and make the customers to achieve optimum level of production and quality.

In the Draw Frame process, two actions takes place - One is doubling and another one is drafting. The doubling process helps to improve the evenness of the sliver and drafting helps to achieve the maximum parallelisation of fibre along the sliver length and reduce the linear density of the sliver too. Draw frame transforms the coarse, irregular, and often contaminated sliver into a finer, more uniform, and cleaner roving. This roving can then be processed in subsequent spinning operations to produce high-quality yarn.



Here, Top roller places the major role for spinning quality yarn. SAKTHI Top Roller ensures the same by its expertise, application of knowledge and manufacturing under the required parameters. The development team updates the products according to the latest demands. SAKTHI offers more than 80 variants in Draw Frame, Comber and Lap Former Top Rollers to meet out the requirements of the global market. Operating with enormous 2 decades of experience in Top Roller manufacturing, SAKTHI is 100% indigenous and proven globally. Also being associated with 2 OEM since many years is an added diamond to our crown.

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Crealet AG

Crealet AG in keep the pace with growing demand for Technical Textiles

The market for technical textiles is continuously growing – driven by increasing demand from industries such as automotive, medical and construction, as well as by technological innovations.

SOME PARTICIPANTS AND THEIR EXHIBITS

sima Texfair 2026

As Fortune Business Insight writes on November 10th 2025:

The global technical textiles market size was valued at USD 239.01 billion in 2024.

The market is projected to grow from USD 252.80 billion in 2025 to USD 391.75 billion by 2032, exhibiting a CAGR of 6.5% during the forecast period.

Functionality before appearance

Unlike home textiles, the focus here is not on appearance but on functionality and performance. By using high-performance fibers, specialized finishes and innovative processing technologies, fabrics are created with properties precisely tailored to each specific application. Narrow and broad weaving mills play a central role in this process. Their precise production methods, continuous development and high-quality standards are crucial for the performance of technical textiles.

The range of applications spans from geotechnical solutions and medical products to high-tech uses in vehicle construction and protective clothing.

Mobiltech, Buildtech, Medtech, Protech

In the field of mobility technology (Mobiltech), textiles are used in seatbelts, airbags, seat covers and interior components. They must meet the highest requirements for tensile strength, elasticity and long-term durability. Equally demanding is the construction sector (Buildtech), where fabrics serve as roofing membranes, façade nets or geotextiles, ensuring stabilization, drainage and energy efficiency.

Textiles are also indispensable in medical technology (Medtech). Sterile dressings, implants and surgical sutures increasingly rely on technically optimized fiber structures that guarantee biocompatibility and functional safety. In the area of protective textiles (Protech), heat-resistant and cut-resistant fabrics provide maximum safety – for example for firefighters, police forces or industrial applications.

Sustainability, Oekotech

Sustainability is gaining increasing importance. Environmental technical textiles (Oekotech) are used in filtration systems, erosion control and recycling processes. With innovative materials and resource-efficient production methods, we are opening up new possibilities for responsible growth.

Key Factor: Capability of Modern Weaving Machines

A key factor in the advancement of technical fabrics is the capability of modern weaving machines. For specialized applications, customer-specific machines are often developed in close cooperation with users and engineering partners. Servo-controlled shedding, precise Jacquard systems and flexible weft insertion technologies enable the production of high-density, uniform fabrics with exactly defined structural characteristics – ideal for filtration, medical or protective textiles.

Important Interactions

Equally important is the interaction between the weaving machine and the warp let-off

SOME PARTICIPANTS AND THEIR EXHIBITS

system. Especially for demanding fabrics, precise weaving tension and a customized yarn feed are indispensable. This is where CREALET's core competence lies: we support our partners already in the development phase and implement innovative solutions that are both technologically advanced and economically efficient.

Wide Range of Opportunities for Weaving Mills

For narrow and broad weaving mills, this creates a wide range of opportunities. The demand for functional, durable and sustainable materials requires investments in modern weaving technology, digital process monitoring and new material combinations. Those who invest early in research, quality and cooperation will position themselves long-term as reliable partners in a forward-looking market – actively shaping the future of technical textiles.

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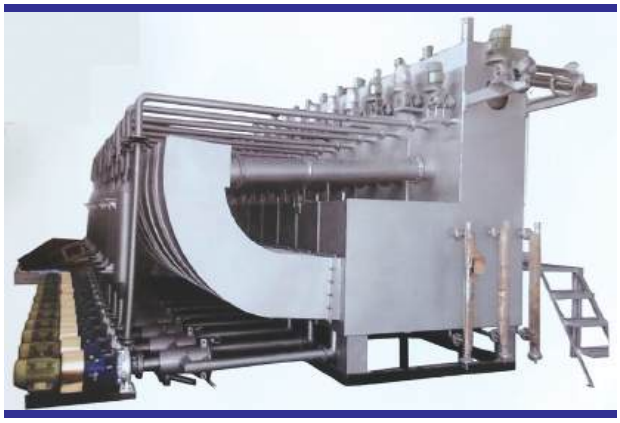
Krsna Group

Stall No. A-32

Few words about Krsna Group

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.
- 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.

SOME PARTICIPANTS AND THEIR EXHIBITS

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).

For further information, please contact :
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Mob : +91 98250 96234/93777 33484/90999 30017
Email : krsnaeng@gmail.com, Website : www.krsnagroup.in ❐

Mimaki Europe BV

Mimaki shows Versatile, Simple TRAPIS Textile Printing at Heimtextil 2026

- Mimaki's textile pigment transfer printing system, TRAPIS, is able to print on a diverse range of fabrics - unlike traditional processes - including natural fibres and synthetic fabrics.
- The full solution will be shown on Mimaki's booth (Hall 3.0 Stand A97), as the company returns to Heimtextil to showcase its advancements in sustainable, high quality and efficient textile printing.

Mimaki Europe, a leading provider of industrial inkjet printers and cutting plotters renewed focus on material versatility and simplified textile production. At the tradeshow, the company will present TRAPIS, its innovative pigment transfer printing system that enables manufacturers to print on a wide range of fabrics using a single ink set – ranging from natural fibres to blended and synthetic fabrics. Designed for easy, compact and cost-efficient operation, TRAPIS removes traditional barriers to digital textile printing, while also offering the added benefit of drastically reduced water use compared to conventional processes.

Mimaki's textile pigment transfer printing system, TRAPIS, enables users to print on a diverse range of fabrics, offering extreme application flexibilities.

"Opening up opportunities, without the constraints of material restrictions and overly complex workflows, will give manufacturers that much needed operational freedom," says Arjen Evertse, Director Sales at Mimaki Europe. "With TRAPIS, users can print on a wide variety of fabrics using a single ink set, something that traditional processes simply cannot offer. And because TRAPIS requires no pre-treatment, no washing and minimal infrastructure, it becomes an accessible solution for companies of any size. The fact that it also uses significantly less water is a valuable bonus, but its greatest impact lies in how easily it enables short-run, customised and localised printing on virtually any textile."

Returning to Heimtextil 2026, Mimaki will demonstrate its advancements in sustainable, high quality and efficient textile printing.

Heimtextil visitors will experience first-hand TRAPIS' ground-breaking yet simple two-step pigment transfer printing process on Mimaki's booth – comprising of a Mimaki TS330-1600 with built-in heater, TP410 inks and a high-pressure calender. TRAPIS is uniquely positioned with its ability to print on a wide variety of fabrics, including cotton, viscose, polyester, blends and synthetics, unlike sublimation printing, which is limited to polyester-based textiles.Additionally, its compact footprint makes it ideal for small studios and businesses looking to introduce on-demand or short-run textile services, while reducing maintenance requirements and overall running costs.

The streamlined TRAPIS workflow also offers a sustainable solution to users, reducing water consumption by up to 90% (saving approximately 14.5 litres per square metre). The TRAPIS pigment inks are ZDHC MRSL Level 3 compliant and bluesign® APPROVED, ensuring both environmental and user safety.

To discover more about TRAPIS, visit Mimaki at Heimtextil 2026. For more information on Mimaki Europe and its technology offering, please visit www.mimakieurope.com.

SOME PARTICIPANTS AND THEIR EXHIBITS

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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Mylon Metallics P. Ltd.

Mylon YCP HT — used for twist setting of high twisted yarn

Mylon Yarn Conditioning Plant — YCP HT for High Temperature applications

MYLON YCP HT is a specialized batch-processing pressure vessels used to stabilize high-twisted yarns through a combination of vacuum and saturated steam. This process is essential for eliminating the undesired "snarling" or "kinking" effects that occur when highly twisted fibers try to relax.

Core Mechanism of Autoclave Twist Setting

- **Vacuum Stage:** The process typically begins with a deep vacuum (up to 700 mm-Hg) to remove air from the chamber. This ensures that the subsequent steam can penetrate deep into the innermost layers of the yarn packages.

- **Saturated Steam Treatment:** Saturated steam is injected under pressure allowing it to reach temperatures between 110°C and 130°C. Saturated steam is more effective than dry heat because it transfers latent heat upon condensing, which effectively breaks and reforms intermolecular bonds to lock in the twist.
- **Controlled Cooling:** After heating, the yarn undergoes a gradual cooling and sometimes a secondary vacuum drying cycle to stabilize the molecular structure permanently and prevent post-setting deformation.

Key Benefits for High-Twisted Yarn

- **Torque Stabilization:** Permanently removes the "memory" of the twist, making the yarn easier to handle in high-speed weaving and knitting without it curling back on itself.
- **Enhanced Physical Properties:** Autoclaving can improve dye affinity, increase tensile strength, and ensure uniform moisture regain across the entire batch.
- **Dimensional Integrity:** It prevents excessive shrinkage or elongation during later processing stages like dyeing or washing.

Technical Specifications for Industrial Units

- **Capacity:** Ranges from small units (200 kg/batch) to large-scale production models capable of handling 1000 kg per batch.
- **Materials:** Typically constructed from stainless steel (SS 304) to resist corrosion from steam and moisture.
- **Automation:** MYLON uses PLC-based control systems to manage precise temperature, pressure, and dwell time parameters.

Mylon VCP HT is specifically designed for operation at elevated temperatures. The purpose of the HT series of machines are for twist setting of yarn. No moisture improvements can be expected in higher temperature process.

Applications of MYLON YCP HT is for industrial yarn, sewing thread, high twisted yarn for twist setting. The process parameters are fine tuned to achieve the desired results. General operating temperature is for a maximum of 120 Deg C. The yarn can be in bobbins or cones. Process may need the use of perforated yarn carriers in polymers/ metal. Multiple cycles may be needed to attain the desired results.

MYLON YCP HT is manufactured, tested and installed with utmost care. Multiple levels of safety with Electrical/mechanical and Electronics are ensured for HT series of machines. Special care and training is needed for the operators for handling these machines.

TECHNICAL SPECIFICATIONS FOR MYLON YCP HT					
Description	YCP 200 HT	YCP 360 HT	YCP 600 HT	YCP 1000 HT	YCP 1200 HT
Batch capacity – Kgs*	200	360	600	1000	1200
Production / day	Will depend on process parameters chosen				
Vessel dia – mm	1400	1400	1800	1800	1800
Vessel length – mm	1500	2400	3300	4100	4900
Height	3000	3000	3400	3400	3400
Connected load kw**	60	90	120	180	210
Trolleys/batch	1	2	3	5	6
Trolley loading	Manual	Manual	Auto loading	Auto loading	Auto loading
Temperature range – upto 120 Deg C		* Batch capacity is based on cones of base diameter 210 mm			
Heating option – Electrical / Steam		**Connected load is a guideline for electrical heaters			

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SOME PARTICIPANTS AND THEIR EXHIBITS

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Paras Healds and Reeds Pvt. Ltd.

Paras Healds and Reeds Pvt. Ltd. identified itself as a specialist in manufacturing high-quality weaving accessories

Paras Healds and Reeds Pvt. Ltd. carries on three generation legacy of tech... weaving accessories

Mr. Paras Panchal – Director, Paras Healds and Reeds Pvt. Ltd.

In the evolving landscape of the Indian textile industry, few names have etched a legacy of craftsmanship and innovation as distinctly as Paras Healds and Reeds Pvt. Ltd. Spearheaded by Mr. Paras Panchal, the company stands as a testament to the synergy of tradition and technology.

Established in the late 20th century in Gujarat—a state long celebrated as the cradle of India's textile heritage—Paras Healds and Reeds Pvt. Ltd. began as a modest, family-run operation specializing in high-quality weaving accessories. Initially focusing on healds, reeds, and drop wires, the company catered to local powerloom units and small-scale fabric producers. Paras Healds and Reeds Pvt. Ltd. has grown high speed weaving machine.

Driven by unwavering integrity, superior quality, and personalized service, the company quickly built a loyal client base. It was this solid foundation that allowed it to steadily grow and modernize over the decades.

PARAS HEALDS AND REEDS PVT. LTD. has grown in leaps and bounds since its inception under leadership of Mr. Paras Panchal, a Well-trained business technocrat. We have been a leading exporter and importer of full range of

textile weaving accessories and spares suitable for all types of high-speed weaving machines.

The Present: Engineered for Excellence

Today, under the visionary leadership of Paras Panchal, the company has transformed into a leading manufacturer and exporter of textile weaving accessories, supplying to major textile hubs across India and abroad.

The company's product portfolio includes all types and sizes of:

- HEDDLE
- DROPWIRE
- REEDS
- HEDDLE FRAME
- OTHER WEAVING ACCESSORIES

The manufacturing facility integrates CNC machinery, precision inspection tools, and strict quality control systems, ensuring every product meets global benchmarks. Innovation, timely delivery, and customer satisfaction remain the pillars of the company's success.

The Future: Crafting Tomorrow's Weaving Legacy

The story of Paras Healds and Reeds Pvt. Ltd. is not just about products—it's about generations of innovation and a legacy of excellence. It all began in the 1970s, when Mr. Panchal's grandfather pioneered the manufacturing of heddle and reed-making machines in India, launching a revolution in weaving.

Even today, the company continues to build these machines on a smaller scale, proudly preserving this tradition into the third generation. This lineage stands as a rare blend of heritage craftsmanship and modern ambition.

Now, standing at the forefront of the next textile revolution, the company is preparing for a bold future:

- Smart weaving diagnostics powered by AI and machine learning
- Global expansion for presence in every continents
- Advanced automation for scalable precision production
- Eco-conscious product development aligned with environmental standards

At the heart of this vision is Paras Panchal, who says:

"We're not just manufacturing components — we're designing the future of weaving. By aligning tradition with technology, and purpose with progress, we aim to empower every loom to deliver excellence, responsibly."

From the humble workshops of the 1970s to today's precision-driven facilities, Paras Healds and Reeds Pvt. Ltd. continues to be a beacon of legacy, innovation, and leadership— weaving the fabric of tomorrow, one thread at a time.

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SIMTA Group of Companies

SIMTA Group a pioneer in 'Efficient Bobbin Transport System' ; a critical component accelerating efficiency and automation

The textile industry has transformed remarkably, transitioning from manual operations to highly automated systems. Among the many technological innovations driving this evolution, the Bobbin Transport System(BTS) is a critical component in ensuring efficiency and automation.

SIMTA predicted this technology much earlier and has partnered with JACOBI to provide a seamless, cost-effective solution that is user-friendly for the spinning industry. Without an efficient bobbin transport system, the smooth functioning of spinning processes would be severely hindered, ultimately impacting the quality and quantity of the final product.

Contemporary bobbin transport systems simplify the transfer of bobbins from the roving frame to the ring frame. This advancement decreases reliance on labor, minimizes mistakes, and boosts overall productivity. It embodies the larger transition to Industry 4.0, characterized by interconnected systems and the crucial role of real-time data in enhancing production efficiency.

In the early days of textile production, bobbin transport was a labor-intensive process. Workers manually carried bobbins from one stage of production to another, a practice that was both time-

consuming and prone to errors. The physical effort required, combined with the inefficiency of manual handling, often led to bottlenecks in production.

Types of Bobbin Transport Systems

- Fixed Loop System
- Automatic Bobbin Transport System
- Auto Creel change bobbin transport system

SIMTA has pioneered in all the above three systemsfor over 2 decades and has installed more than 5 million spindles across the world, and it is working successfully. SIMTA ensures a tailor-madedesign to adopt the layout of the spinning mills.

In the spinning industry, Labor costs can be a substantial expense in textile manufacturing. Traditional creeling methods require a considerable workforce to manage bobbin changes and monitor production. Companies typically spent around 20-30% of their operational budget on labor related to creeling. However, the implementation of the auto creel bobbin transport system has drastically reduced these costs.The Auto Creel Change Bobbin Transport System is the latest emerging system in India, which ensures a smooth transition of the bobbin.

The Automatic creel change in ring frames is popular in European countries. Now, only in India are we thinking about this type of system.

The Automatic creel change is done, particularly in rows or blocks, to ensure smooth working. This is done to have a controlled production of particular lots without any excess material and also ensure the rovings are free from manual handling. If the roving is incorrectly treated or is kept too long in intermediate storage, damage and soiling will occur. Horizontal transport, uncontrolled intermediate storage, and any kind of contact will damage the roving and cause quality deterioration.

As the roving is a more delicate product and gives good quality when it is handled correctly without touching its surface, Simta ensures to transfer this quality material without affecting its surface to the Ring frame.

SIMTA Auto creel change mechanism gives unique features as below:

- Controlled and regular changes of the Bobbin in the ring frame
- No wastages of roving during the lot change
- Easy monitoring of lots and avoiding material mix-up
- Reduces the intervention of humans
- The Bobbin will group feed in the ring frame through FIFO
- Maximize production capacity and ensure smooth bobbin transfer
- Move different lots at the same time

SIMTA ensures the efficient transport of the bobbin as per the requirement.The same can be pre-programmed as per the production schedule, so this ensures the movement of bobbin inside the ring

frame 24 X 7 without any manual interruption and also ensures less time for the change of bobbins. This will also help the spinning mills to monitor the quality at the same time, excess production of a particular count can also be avoided.

The Entire process is based on understanding the requirements of the customer and making a layout to fulfill the task of the customer. SIMTA has installed the projects across the globe, and the same has been working hassle-free for a decade.

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Sri Kumarn Textile Systems

Stall No. B-84

SKTS holds high expertise in Needle Roller Bearing across the ranges for spinning application

We can supply all ranges of Needle roller Bearings for Spinning mills application. Please find below some of the fast moving bearings.

kci BEARINGS

Ringframe Application:

- Bottom Roller bearings (16 Needles and 18 Needles) - KW 328, KW 21/28, KW 3000, UN 3213, UN 2809, UN 3003, etc.,.
- Tin Roller bearings – GRAE 45 NPPB
- Jockey Pulleys – SR 60, BSR 70, BSR 72, etc.,.

INA

Autowinder Application:

- Cam follower bearings – F 208897
- Drum shaft bearings – F 236235, 408 AH.01
- NK 20/16
- Adopter bearing RH and LH
- Guide bush

Other Machineries:

- NKIB 5903
- NK 22/16, NB 223016
- RNA 4903, RNA 4905
- K 15*19*17
- 3002 2RS
- HK 1010, HK 3020, HK 1210, BK 1010, BK 2020, etc.,.
- GE 40 KRRB, GE 50 KRRB, etc.,.
- GRAE 25 NPPB

SKTS

Can Castor, Doffing Trolley and YCP Trolley wheels

Castor wheel assemblies are designed for critical loads in the smoothest possible manner for very long service lifer under arduous conditions for any conceivable type of application. Castor wheels are designed running smoothly, better contact area, low heat build up, low abrasion losses and keeping low maintenance costs.

Salient Features

- YCP Trolley STAINLESS STEEL Castor wheels manufactured out if Polypropylene unbreakable impact co-polymer material impregnated with SUPLAST self lubricating, low co efficient of friction, wear resistant, slide bearing bush with SS solid bush, Lock nut bolt and thread guard.
- YCP Trolley Castor wheels – Provision of grease nipple for periodic greasing and enhancing castor life.
- Doffing Trolley wheels – High load bearing capacity and impact resistance.
- Doffing Trolley wheel design ensures excellent load carrying capacity and very smooth swivel action.
- Can Castor wheels designed very unique "V" grooved ball race in the base plate and fork which distributes the radial shock load and weight bearing thrust loads and eliminates over stressing of the ball race.

SOME PARTICIPANTS AND THEIR EXHIBITS

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- Can castor designed with ball cage which ensures balls are uniform gap and smooth swivel action

  Can Castor Sizes: 60*25, 80*25, etc.,.

  Doffing Trolley Sizes: 4*1.5, 4*1.25, 6*2, etc.,.

  YCP Trolley Sizes: 4*1.5, 5*1.5, etc.,.

phoenix

Phoenix Cutters and Scissors for Autowinders and Weaving machineries

M/s. Phoenix offered wide range of cutters and scissors for Textile spinning and weaving machineries. M/s Phoenix Textile Engineering, the world's finest cutters & scissors manufacturers and who already are the OEM suppliers to leading machinery manufacturers, offers varieties of cutters & scissors suitable for all types of Automatic winders and weaving machineries.

Types of cutters

- High Speed Steel (HSS)
- Brazed Carbide Tip
- Zirconia Ceramic

Features

- Offers 5 years performance assurance warranty for Brazed carbide tip cutters and 3 years for High Speed Steel.
- All phoenix cutters are printed Phoenix emblem for identification
- Phoenix manufactured ceramic cutters with high quality raw material of Zircinia.
- OEM Supplier for Leading machinery manufacturers.

MEW PARAFFINS

GOTS and OEKO - Tex certified wax rolls

- 100% Eco – friendly
- GOTS and OEKO - TEX certified wax rolls
- Optimum wax pick up (0.05% - 0.07%) with less co efficient of friction
- Improved knitting
- No contamination on Autowinder – 100% Natural Paraffin used
- Wide range of wax qualities available for cotton, synthetic, blends and dyed yarn, etc.,.

ALL SPEED FRAME SPARES AND SERVICE ARE AVAILABLE WITH US

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SRM Technologies

Hall-B/Stall No. 44

Sakthi-SRM-Sagotharen consolidated its position in line of global attention to innovation

Sakthi–SRM–Sagotharen Group: OEM-Grade Spares for Compact, Ring Frame, and Carding Applications

As the global textile industry turns its attention to innovation, the Sakthi–SRM–Sagotharen Group continues to support spinning mills through its deep manufacturing expertise and OEM-grade spares. Sakthi–SRM–Sagotharen group is firmly embedded in spinning operations across India and abroad — supplying precision-engineered components trusted for performance, compatibility, and durability.

Comprising Sakthi Associates, SRM Technologies, and Sagotharen, the group delivers a vertically integrated solution for spinning, compacting, auto-doffing, and carding applications. Products are manufactured to original equipment specifications, with rigorous testing and process controls to ensure dimensional consistency, mechanical reliability, and lifecycle longevity.

At the core of their offering is a robust line of lattice aprons — manufactured using woven anti-static polymer mesh with excellent dimensional stability and controlled air permeability. Available in multiple variants such as N STAT and LUBE STAT, these aprons are optimised for fibre compaction uniformity, reduced surface friction, and long service life (up to 6–8 months under standard operating conditions). Sizes are available to match most compact system geometries, ensuring seamless fit and plug-and-play compatibility.

In addition to aprons, the group supplies a comprehensive set of precision-milled components for compact spinning: gear shafts, intermediate gears, inserts, and bushes — all made with high-tensile materials, close-tolerance machining, and surface treatments to resist wear and vibration in high-RPM environments.

The group also manufactures spares for auto-doffing systems, including gripper bushes, doffing levers, lifting forks, and timing mechanisms — all produced to ensure repeatable performance, minimal cycle time, and compatibility with modern ring frames.

Further strengthening their offering, the group produces carding suction ducts using anti-static polymer composites with smooth internal finishes, designed to improve trash removal efficiency and maintain consistent airflow. These ducts are airflow-optimised, lightweight, and dimensionally stable under heat and dust exposure.

From Sagotharen's advanced materials division comes a range of high-speed spindle tapes, formulated for excellent grip, minimal elongation, and smooth transmission even at speeds exceeding 20,000 RPM. Manufactured with uniform thickness and reinforced with abrasion-resistant coatings, these tapes ensure stable drive dynamics and extended service life in modern ring spinning setups.

SOME PARTICIPANTS AND THEIR EXHIBITS

All products undergo multi-stage inspection — including dimensional verification, mechanical load testing, surface resistance checks, and fit validation — before dispatch. With scalable production capacity and application-specific support, the group is capable of meeting both high-volume mill requirements and retrofit solution demands.

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M/s. Basant Fibertek Pvt. Ltd.

Stall No. B-17

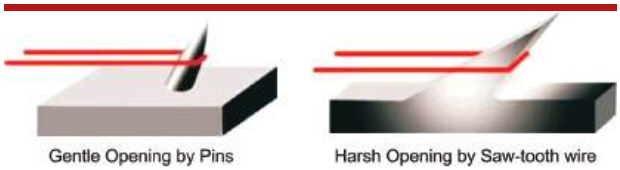
Having done extensive research works in the usage of recycled fibers Basant introduces advanced Solutions for spinning recycled yarns

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:

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.



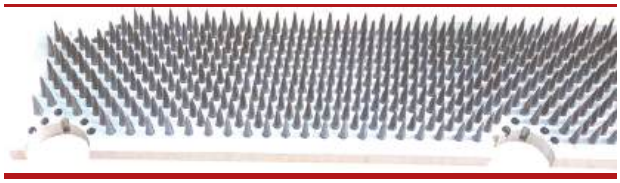
The main principle adopted by BASANT is to prevent further weakening of already weak recycled fibers in order to produce a better quality yarn at higher productivity. Another very significant advantage of Pins is that it provides a de-dusting action to the fibers (similar to slapping your fingers on 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:

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 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.

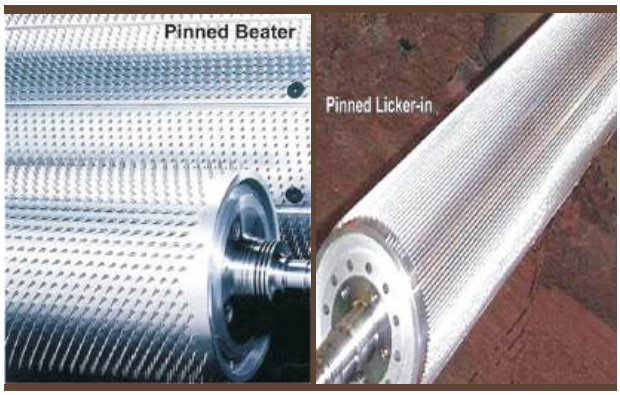


Pinned Lags

Excalibur Lag

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

Chute Feed Roller

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.

SOME PARTICIPANTS AND THEIR EXHIBITS

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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.

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.

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GS Group

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.

SOME PARTICIPANTS AND THEIR EXHIBITS

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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.

For further information, please contact :
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Registered Factory
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Email : gscanworks@gmail.com
Web : www.gscan.org.in

Tecchno Qualicon Solutions (P) Ltd.

Stall No. B-66

'Precision for textile fiber analysis', a focul point of TECCHNO Automatic Trash Separator

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).

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.

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).

SOME PARTICIPANTS AND THEIR EXHIBITS

- 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.

For further information, please contact :
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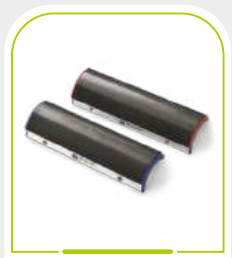
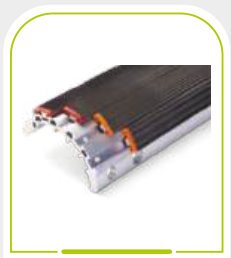




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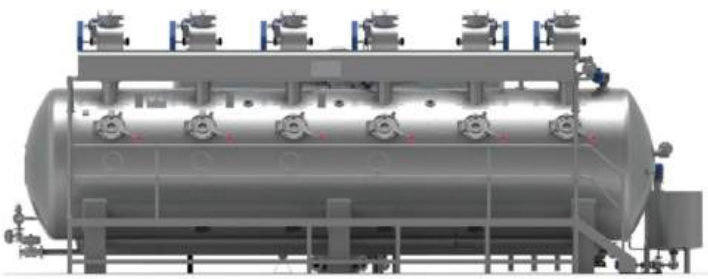
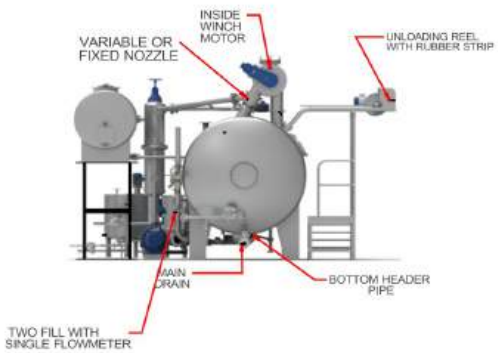
KRSNA HIGH TEMP SOFT FLOW DYEING MACHINE

Knits Woven Terry Towel Furnished Fabric

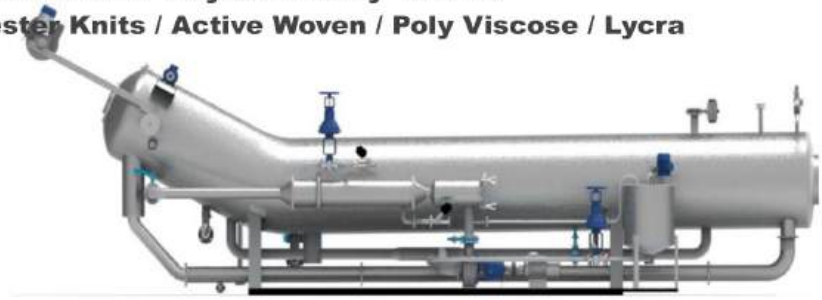




KRSNA HIGH TEMP. LONG TUBE SOFT FLOW + JET DYEING MACHINE

Knits / Woven & Polyester Terry Towels

Polyester Knits / Active Woven / Poly Viscose / Lycra



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