



'Our Goal Is To Make Green Chemistry The Standard In The Textile Industry' **Page 2**



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Union Minister of Textiles Giriraj Singh, MoS Pabitra Margherita, Mahesh Sharma MP and officials of Ministry of Textiles, and BTTF lighting the lamp to inaugurate BharatTex 2025.

GOVERNMENT AIMS TO MAKE INDIA THE GLOBAL SOURCING HUB FOR ALL TEXTILES

According to Union Textiles Minister Giriraj Singh: "The Indian government believes that if the market is in India, then the supporting industries have to manufacture in India too. And we are backing this thought with relevant policy actions. The Indian market is becoming a viable production option for textile and apparel machinery, dyes and chemicals, etc. Today, India imports around 150 lakh garment sewing machines, from just 30 lakh machines some years back. This is an interesting volume for a company like Juki, that is speeding up plans to set up manufacturing base in Ahmedabad, Gujarat. Similarly, the Indian market for textile dyes and chemicals will become a US\$ 60 billion market in the next few years, from the US\$ 42 billion market. And we have been emphasising that we will make the Indian textile industry a US\$ 350 billion market."

The Union Textiles Minister said this while addressing the industry at the inauguration of Bharat Tex 2025 on February 12, at IEML, Noida.

He further dispelled doubts about India's textile and apparel exports not doing too well. "This is not true. Just the numbers of the second edition of Bharat Tex give you the answers. From around 3000 exhibitors in the first edition, we now have over 5000 exhibitors. We have over 6000 international buyers coming to the show. It's like the world is converging at Bharat Tex 2025. This is because of the trust the India evokes in the buyers.

"Moreover, we must not forget that we have a huge market within India itself. India is the youngest country with an average age of 27

years."

Minister of State for External Affairs and Textiles Pabitra Margherita, and various ministry officials including Textile Secretary Neelam Shami Rao, Additional Secretary, MoT, Rohit Kansal, and various EPCH and Bharat Tex officials were present during the event.

Pabitra Margherita in his address emphasised the need to invest in traceability, quality, sustainability, to overcome the challenges in the international markets.

Neelam Shami Rao stated that Bharat Tex is not just the world's largest textile and apparel exhibition, "it is the fulcrum on which further meaningful action can be taken. Through our interactions with exhibitors, through the knowledge sessions we will gauge the trends, to take further action. We are serious about making the Indian textile and apparel industry a global sourcing hub."

Supporting this view, Rohit Kansal too stated that India will soon become the one stop shop for anything and everything in textiles – be it for traceable, sustainable textiles and apparel, high tech manufacturing, design, AI.

Speaking about the show, Naren Goenka, Chairman, Bharat Tex Trade Federation, stated: "Be ready for a lot of activity in this edition of BharatTex. We have a large number of exhibitors who will showcase some interesting innovations, we have sessions for start-ups, we have a lot of knowledge sharing and networking events. The entire team of BharatTex, including the 11 export promotion councils are working strategically and in a very focussed manner to make India the hub

for textile and apparel sourcing."

The ministers and the MoT officials spent a sizeable amount of time at the show, interacting with various exhibitors at the three main pavilions – DyeChem World, Garment Technology Expo and Handicrafts. With sustainability as the theme of BharatTex this year, all three segments are focussed on improving the carbon footprint of the textile and apparel industry.

DyeChem World had many innovations with every exhibitor working towards a greener chemistry. At the Fineotex Chemicals booth, Giriraj Singh made a pertinent observation about the industry – "How can this industry become greener?" FCL officials listed out the 4 main pollutants in this segment, and highlighted the work they are doing to eliminate these.

In Garment Technology Expo the main focus was on surface treatment technologies, ERPs, with better production efficiencies, and improving sustainability.

'This Is The Best Time For Indian Textile & Apparel Industry'

According to Vijay Agarwal, Chairman, TEXPROCIL, and Member Core Committee, BTTF: "The Indian textile and apparel industry is in a sunny place today. The US tariffs on China and other countries will help Indian exports. The Indian economy is the most stable in the world today. We have good workforce, we have begun investing in modern AI and robotics based technologies. A lot of these technologies are being developed within the country itself. These are good times for the industry, and we will witness good growth."

‘Our Goal Is To Make Green Chemistry The Standard In The Textile Industry’

How do you feel about participating in DyeChem World at BharatTex 2025?

Last year, we came to observe, and this year, we’re excited to participate, with a large space. It’s the first day of the exhibition, and we are happy with the response already. I’m sure it will pick up even more as the event progresses.

Proklean has been working towards green chemistry. What new are you showcasing here?”

We’re showing off all our bio-based products. We focus on replacing traditional chemicals with 100% biodegradable, non-toxic alternatives. Our technology relies on probiotic microbial fermentation, which is a key differentiator for us. We’re proud to offer a sustainable alternative to chemicals commonly used in textiles, which are often harmful to the environment.

We’re definitely moving in the right direction. Right now, we’ve replaced around 40-45% of the chemicals in textiles, and the goal is to increase that number over the next couple of years. Replacing some chemicals is difficult due to the complexity of certain chemistries, but we’re making steady progress. In many cases, our bio-based products perform just as well, if not better, than their chemical counterparts.

That sounds fascinating. How do you manage to create such a green and sustainable product when the industry is often criticized for its disregard for natural resources?

It’s all about thinking from a different angle. When we started the company, we weren’t aiming to be just another chemical company. We wanted to do something good for the environment. Our journey started with wastewater treatment and solid waste management, but we soon realised that we could use our fermentation products to replace



VISHWADEEP KULIA, Co-Founder & Director, Proklean

chemicals in various industries, including textiles, leather, and paper.

It seems like your vision sets you apart from the competition. Do you think chemical companies can pivot to a more sustainable approach, or does it require something entirely new?

Again, it depends on your vision. Our path has been slower because we’ve stayed true to our goal of producing green, biodegradable products, and that’s limited our growth compared to traditional chemical companies. If we wanted to maximise profits, we could have grown much faster. But for us, sustainability is the priority. Chemical companies with a profit-first mindset might struggle to make that transition, but it’s possible if their vision shifts.

That brings us to an interesting point. Many chemical companies claim to be sustainable, but what do you think prevents them from achieving true sustainability?

It’s a complex issue. Buyers,

especially from Western countries, put a lot of pressure on suppliers to cut costs, while also demanding more sustainable practices. This price squeeze makes it difficult for companies to implement truly sustainable solutions, even if they want to. They end up compromising by squeezing the chemical suppliers. It’s a vicious cycle. For us, we’ve managed to stay competitive without sacrificing our values, but it’s been challenging.

What about the performance of your products? How do they compare with conventional chemistry?

To give an example, our alpha amylase used for desizing in textiles, is non-GMO, and we’ve made it more efficient—requiring less of the product to achieve the same results. This means a softer fabric with fewer chemicals, which is a big advantage.

It’s interesting how we have gained the trust of the industry. Initially, some of our products didn’t pass the traditional tests

for demineralizing agents, which confused a lot of people. But we knew that the test methods used were designed for chemical products, not our bio-based ones. When we tested the product in real-world conditions, it worked perfectly. So, while it may not pass the traditional tests, it’s highly effective in practice. It’s a different way of thinking about the problem.

Tell us about the challenges you faced in your journey of 12 years. How has the market evolved?

It’s been a slow journey. When we started, none of us had a background in textiles or chemicals, so we had a steep learning curve. We faced a lot of skepticism, especially from larger companies. But we persevered, and over time, people started to trust us. Our reputation has grown, and today, we work with both small and large companies in textiles, paper, and leather.

With the textile industry expected to grow significantly in the coming years, what concerns do you have about sustainability and resource management?

The growth is exciting, but it’s concerning that the industry is still heavily driven by price pressure. There’s a need for more regulations and awareness around sustainability. The government has a role to play in setting standards, but ultimately, it’s up to the buyers to drive the demand for sustainable products. If they insist on sustainable practices, the entire supply chain will have to follow.

What’s next for your company?

For us, it’s about continuing to grow sustainably. We don’t ask for subsidies; we compete on performance and price. Our goal is to make green chemistry the standard in the textile industry. It’s a long journey, but we’re committed to it. ●●●



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NaturePlus

KISCO, is a global supplier of dyes, inks and fine chemicals, based in South Korea. We have demonstrated a long-term commitment to India through our subsidiary KISCO India Private Limited (KIPL). At Bharat Tex 2025, KISCO will be launching two new examples of how we are driving sustainable innovation.

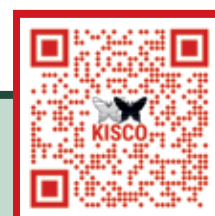
Synozol NaturePlus is the next step in the evolution of our sustainable product portfolio. They deliver high quality, hazard free performance, but have been engineered to help you save time, energy and water.

Features

- Free of hazardous arylamines including p-chloroaniline
- Easy washing off properties at low temperature
- Excellent durability in color fading after repeated laundering

Made 2 Last is a quality assurance program for dyed articles/apparel/garments/clothing. Clothing dyed using KISCO products will retain its original colors even after repeated washing. The dyes used under this program also represent a sustainable choice. During manufacturing, they save time, save water and save energy when compared with conventional dyes. Made 2 Last assured clothing is better for you and better for our planet.

Visit us at Greater Noida, **Bharat Tex 12th - 15th February 2025, Booth H7-A2,3** to learn more about KISCO and what we can do for you in India.





YAWAR ALI SHAH, Founder, AMA Herbal

'Natural Textile Dyes Have Easily Been Meeting All The Environmental Parameters'

AMA Herbal recently introduced VegeBact-NTM, a revolutionary natural odour control agent to foster hygiene and well-being. In the same series, the company has already introduced VegePlus™ for improving dye affinity, VegeDisperse™ dispersing agent, VegeSuper™ soaping agent, VegeDeep™ for improving the depth of shade, VegeDeep™ cationic softener etc. AMA Herbal offers a wide range of shades with very good and acceptable fastness dye range obtained from natural resources. Bio Indigo®, Yeliona®, Rubia®, Leafy Green®, Nimbus®, Kareel®, Rennet®, Bee®, Insect®, and Mallow® etc. are few to name which are offered by them.

Moreover, AMA herbal products have the requisite international certifications which lend the natural products great acceptability. "All our products are certified. We are in the industry since 1996. We have not changed our formulations, and our products pass every test and

parameter easily," said Yawar Ali Shah, Founder of AMA Herbal.

He believes that the natural dyes industry has been passing all the parameters right from the beginning, but with most companies being small in size, they do face financial constraints of going for certifications. "For this reason, I believe there should be some subsidy for natural dyes manufacturers," he said.

With sustainability being a prerequisite to doing business especially in the more aware markets of Europe and US, natural dyes should have a great future. "The potential is immense, it's the right product to achieve sustainable results. While some say costs and performance are a problem, I disagree. The problem starts when the it gets compared with the chemical dyes and the performance of the chemical dyes. Because over the years, the industry has gotten used to having quick fixes, consistent colours, at lowest price. And that is the cause or the root cause of non-sustainable

products."

While chemical, synthetic dyes may be low priced, it's because the true cost of pollution has not been factored into the pricing.

"When you go for sustainability, industry has to get used to pay extra for the sustainability. Once, if they are ready to pay, we have a great future," he believes.

And can natural dyes complement or supplement synthetic dyes? "Replacing synthetic dyes is almost impossible. Not because of the availability of the dyes, but because of the different price rungs in the market. Natural dyes will find a market in the upper and mid-priced segment. But not so in the mass segment due to the cost factor," says Mr Shah.

To create awareness and acceptability for natural dyes, AMA Herbal has been doing a lot of programs with artisans, designers. "We have done several fashion shows and today designers are accepting natural dyes very well. In

this segment, price is not a constraint, novelty is, and natural dyes offers just that. We have tied up with NHDC to promote natural dyes with artisans. Handlooms also is a good market for natural dyes as people are happy to pay high prices for handlooms."

He further believes that brands and retailers that make big claims about sustainability also have a responsibility here of educating consumers about the benefits of sustainable products, natural dyes, how it benefits society and the environment, to health. If this happens, of course, demand for truly sustainable products will improve."

He is saddened by the tall claims and false claims of many, though he does see the situation improve to some extent. "But as the fact of the matter remains, I am in the industry since 1996. And I have seen billions of dollars spent on the topic of sustainability. But I haven't seen any improvement in the environment around us. That's the bottom line."

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The Transformative Role Of AI In Textile Scientific Instruments



The textile industry, especially post-pandemic, is witnessing a renewed focus on cost-effectiveness and operational efficiency. Saini's commitment to integrating AI into

textile lab instruments aligns perfectly with this trend, promising a future where quality control is not just a necessity but a seamless part of the production process. As Paramount

Scientific Instruments continues to innovate, the role of AI in textiles is set to expand, paving the way for smarter, safer, and more efficient laboratory practices. ●●●

In the bustling world of textiles, where precision and quality are paramount, the integration of artificial intelligence (AI) into laboratory instruments is revolutionizing the industry. Manjit Singh Saini, the Managing Director of Paramount Scientific Instruments, stands at the forefront of this transformation, leading the charge with innovative solutions that promise to enhance efficiency and accuracy in textile testing.

As the textile industry grapples with the challenges of quality assurance, Saini emphasizes the significance of AI in simplifying complex processes. One of the groundbreaking instruments developed under his leadership is the GSM AI, designed to measure the grams per square meter (GSM) of various fabrics—woven, knitted, or non-woven. This state-of-the-art device eliminates the need for traditional methods involving cutters and weighing balances, which are not only time-consuming but also prone to human error. Instead, the GSM AI utilizes high-resolution cameras and advanced image processing algorithms to deliver instant and precise measurements.

Saini articulates a vision where AI does not merely augment human capabilities but transforms the very nature of textile testing. "AI is the next future of human generation," he asserts, highlighting its potential to simulate human intelligence in machines capable of problem-solving, reasoning, and learning. This shift allows professionals in the textile sector to focus on strategic decision-making rather than mundane tasks, ultimately fostering a more innovative and productive work environment.

Despite the promising advancements, Saini acknowledges the concerns surrounding AI adoption, particularly regarding costs and job displacement. He reassures stakeholders that while the initial investment in AI-based equipment may be higher, the long-term savings—stemming from reduced material waste and maintenance costs—far outweigh the expenses. The GSM AI, for instance, not only saves on blades and pads but also enhances safety by minimizing the risks associated with traditional cutting tools.

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Discover the power of our chemistry –

PROTEX CHEMICALS LTD are visiting BHARAT TEX. The UK branded CHROMATECH products and products from PROTEX SAS in France are coming to INDIA.

Working hard to find sustainable innovations also means taking responsibility for the future. With decades of experience along the textile value chain, the globally active PROTEX INTERNATIONAL Group offers a huge range of services focusing on innovative specialty chemicals and the efficient design of textile processes.

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Paramount Instruments Boast Of “Make In India” Textile Testing Equipment At GTE, Bharat Tex 2025



Paramount Instruments CEO Manjit Singh Saini demonstrates Tensile Strength Tester to Honorable TextMin, Shri Giriraj Singh

Paramount Instruments - the brand with a legacy of six decades of manufacturing reliable textile testing instruments from India is participating at GTE 2025 which is co-located with Bharat Tex 2025 show. Paramount Instruments is showcasing its premier range of testing equipments for the industry and assisting Indian textiles to meet global quality control standards. On the first day of the show, Honorable Minister of Textiles, Shri Giriraj Singh visited Paramount's stall and discussed advancements in textile quality testing. The Company's CEO, Manjit Singh Saini explained the minister about the ever growing demand for quality textiles and need of indigenously developed equipment to fulfil such demands.

Paramount is among few Indian companies that boast of Make in

India textile testing equipment.

During the interaction, Mr. Saini introduced the Minister to the Tensile Strength Tester, a key instrument in quality control, along with the latest breakthrough—the AI-powered GSM tester—the GSM AI. This revolutionary innovation enables GSM testing of any size and shape of fabric cutting—eliminating the need for cutters, blades, pads, or balances, delivering Lifetime Cost Savings with Unmatched Efficiency.

The Minister was delighted to learn that GSM AI is a proudly Made in India product, reinforcing India's commitment to technological advancements in textile testing. This moment was truly an inspiration for Paramount Instruments as they continue to drive Innovation in the Textile Industry. ●●●

Empowering Indian Textiles: Colorjet India's 'Make In India' Story

CONTRIBUTED BY DFU I
FASHIONATING WORLD

In the heart of textile hub, where the aroma of cotton mingled with the rhythmic clatter of looms, Madhu Sudan Dadu, Chairman of Colorjet India Limited, wasn't just building a business; he was weaving a new future for Indian textiles. His journey is a testament to the transformative power of the 'Make in India' initiative, a movement designed to establish India as a global manufacturing powerhouse.

A decade ago, Dadu recognized a critical weakness in India's textile industry. Despite being a global textile giant, India relied heavily on imported machinery. This dependence not only drained resources but also stifled innovation. Dadu, a technologist at heart, was determined to change this narrative.

The initial years were challenging. Government policies were not always conducive to domestic manufacturing, and the textile machinery sector was underdeveloped. Skepticism was rife, with many in the industry preferring established European brands. Undeterred, Dadu believed in India's potential – its skilled workforce, technical expertise, and abundant resources.

With a small team of dedicated engineers, he embarked on



M.S. DADU, Chairman, Colorjet India Ltd.

developing digital textile printers, a nascent technology with immense global potential. This transition from traditional to digital methods represented a revolution in textile processing. Dadu's machines promised enhanced efficiency, superior quality, and cost-effectiveness, and he was determined to prove their mettle.

The team faced numerous hurdles. The market was saturated with imported machines, and the perception of Indian products as inferior posed a significant challenge. Dadu knew that to succeed, they had to not only match but surpass the quality of their European competitors. He invested heavily in research and development, ensuring his products were both innovative and tailored to the specific needs of Indian manufacturers.

Slowly, their efforts began to bear fruit. As the first machines rolled out of the factory, Dadu's confidence grew. He showcased their capabilities at trade fairs, demonstrating the efficiency and quality of his digital printers. The response was overwhelmingly positive. Customers began to appreciate the value of supporting local manufacturing, and word spread rapidly.

Dadu understood that success wasn't just about sales; it was about providing comprehensive solutions. He prioritized customer support, ensuring every client received the assistance needed to optimize their operations. This commitment to service distinguished Colorjet from its competitors, building loyalty and trust.

As the 'Make in India' initiative gained traction, the government

began to recognize the importance of the textile machinery sector. Policies started to evolve, favoring local manufacturers and promoting the use of Indian-made machines. Dadu seized this opportunity, advocating for a level playing field where Indian products could compete fairly. He became a voice for other manufacturers, urging the government to address the inverted duty structure and incentivize domestic production.

Over time, Colorjet India Limited became synonymous with quality and innovation in the textile machinery industry. Dadu's vision of a self-reliant textile sector was becoming a reality. The company not only flourished but also inspired a new generation of entrepreneurs to explore the vast potential of manufacturing in India.

Reflecting on his journey, Dadu often shared his mantra: "Innovation is born of necessity, and success is built on perseverance." His story is not just about machines; it's about a vision for a self-reliant India, where local manufacturing can compete with the best globally.

Madhu Sudan Dadu's legacy extends beyond the machines he created. It's embodied in the spirit of 'Make in India' that he championed – a spirit of resilience, innovation, and unwavering faith in the potential of Indian manufacturing. ●●●

DESIGNING A BETTER WORLD RESPONSIBLY



Unlocking Sourcing Opportunities: India's Rise In The Evolving Global Apparel Market

CONTRIBUTED BY DFU | FASHIONATING WORLD

What are the key factors driving changes in global apparel sourcing? Find out how India can leverage these shifts to enhance its position in the world market.

India's textile and apparel exports are gaining traction as US tariffs, China+1, the various geopolitical events are impacting other important suppliers. Moreover, India's political stability, business transparency, economic growth, is attracting buyers and business to the country.

“There are several reasons for the changes in apparel sourcing. Geopolitical factors are a major reason as trade tensions and political instability in certain regions are pushing buyers to diversify their sourcing to reduce risks. Moreover, rising wages in traditional manufacturing hubs like China are making other countries with lower labor costs more attractive. Also, the COVID-19 pandemic exposed vulnerabilities in global supply chains, prompting buyers to seek more diversified and resilient sourcing options.”

‘The China Plus One Policy Is Going To Benefit India’

When it comes to sustainability the global buyers look at India as their partner for sustainable products and they are willing to hand-hold us and nurture us and take us all the way forward. They do not look at China for a sustainable product.

India is moving far ahead of the anticipated growth rate and global partners look at India favourably. And let me tell you that most other Asian countries are not even providing these measures to their customers. It's only India which is on the forefront and whenever they look at a sustainable requirement, they reach out to India.

We are rather optimistic about having our fair share of global space in comparison to China. India is seen as a viable alternative and is poised to gain market share.

The China Plus One policy is going to benefit India.”

TANYA BHATIA,
General Secretary,
Sourcing
Consultants
Association



“India is well-positioned to capitalize on the shifting sourcing patterns. To its advantage it has a large pool of skilled labor, particularly in textile and garment manufacturing. India also has a long history in textiles and a well-developed manufacturing ecosystem, from raw materials to finished garments. The government has undertaken various initiatives to promote textile and garment exports, such as production-linked incentive (PLI) schemes and streamlined regulations.”



RAJIV DEWAN, Ex President, GEAR,
Jaipur (Ma'am Arts)

‘Get Ready For Some Explosive Export Growth’

“The trend for exports is going to be very, very healthy coming year onwards. Be ready to witness one of the best export periods from mid 2026, especially to Europe and America. The going is very good for exports. There's no doubt about it.”

There is a clear link between export growth and the broader economic benefits. So if exports pick up, automatically the Make In India will do good. We will employ more people, develop more infrastructure, more overall development, more expansion.

There is also a geopolitical advantage for India. America has got very few options and they will definitely be supporting India.

STALL DESIGN FOR

Pondy Agro Chemicals Pvt Ltd

SHOW: Bharat Tex 2025

DATE: 14 Feb 2025

Stall No: H7-D9

Stall Size: Bare Stall, 24 sqm

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With a firm commitment to environmental care and its protection, Colourtex takes "responsible care" of the people, the air around, the effluent and solid waste to manufacture and deliver to you environmentally safe products.

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DyStar Showcases Sustainable And Innovative Solutions At Bharat Tex 2025

Leading dyestuff and chemical manufacturer DyStar is showcasing their sustainable and innovative solutions at Bharat Tex 2025. The company is participating in the second edition of India's global textile expo Bharat Tex 2025 at the DyeChem World® pavilion and offering its broad

portfolio of colorants, specialty chemicals and services.

"We are excited to showcase our sustainable and innovative solutions at Bharat Tex 2025, from February 12-15 at the India Expo Centre and Mart, Greater Noida and looking forward to meet our customers at Hall 7, Stall C8" the company said in a statement.

DyStar is bringing its resources saving solutions Cadira Modules, bio-based products derived from renewable raw materials. High-performance dyes and auxiliaries like Levafix, Remazol, Sera & Evo Range would also be available along with Eco-Advanced Indigo Dyeing – Sustainable denim technology. DyStar is committed to shape the future of textile industry together with the stake holders.



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FROM 12 TO 15 FEBRUARY 2025

**INDIA EXPO CENTRE AND MART
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SAINATHAN R, Director, Eurotech Technical Solutions

'India Is Not Well Positioned To Handle New Age Fabrics'

India has always been a traditional market for cotton. It is a cotton-based market and for almost 70-80 years now, we know how to dye cotton, how to process cotton, and how to perfectly make a good cotton garment. Then we have the advantage of labour. We are the highest population in India which means great availability of workforce.

Of course there are some challenges. The global shift has now gone towards synthetic fabrics. So the demand for cotton is getting lower, the demand for synthetic fabrics is getting higher. India as of now is very much limited in technology and knowledge about how to handle this kind of new age fabrics which is for performance, which is for technical textiles and other things which are more synthetic based.

Also the initiative to invest in new machineries, upgrade on new machineries, that is getting little bit into a situation where they are not confident enough how much order will come to India. There is also need to streamline taxation, import duties, further.

**Bharat Tex
2025
Opening**



**Bharat Tex
2025
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Pulcra Chemicals
The solution specialist



SPECIALTY CHEMICALS FOR THE
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Polyspin Launches Nano 5 Antimicrobial Textile Treatment In India

CONTRIBUTED BY DFU |
FASHIONATING WORLD

Polyspin has launched Nano 5 at DyeChem World Expo being organised concurrently with Bharat Tex 2025, an antimicrobial silver-based treatment for textiles in India. The company plans to expand the product's reach throughout the country using its existing distribution network. Nano 5 is designed to eliminate bacteria, viruses, and fungi, and provide long-lasting protection against microbial growth even with regular use or washing. The product is eco-friendly, non-toxic, and safe for humans. Nano 5 is versatile and can be used in textiles, medical devices, and other surfaces requiring antimicrobial protection.

Polyspin's CMD, Sandeep Arora, believes that the future of Nano 5 is promising, especially in light of the recent pandemic, as it offers protection against various germs, viruses, and bacteria. While the Indian market is still nascent and



(L) Sandeep Arora, CMD, Polyspin with Dr Anil Kumar Jain, textile chemistry expert.

customers may not be fully aware of the benefits of antimicrobial products, Polyspin is committed to educating them.

Dr. Anil Kumar Jain, who has extensive experience in textile chemistry and research, played a key role in the development of

Nano 5. He highlights the product's unique particle size, which is less than 5 nanometers, as a key factor in its effectiveness and durability. The smaller particle size increases the surface area, leading to higher reactivity, lower consumption, and improved washability.

Nano 5 works by releasing silver ions that bind to the OH group of the fabric, forming a strong bond that is resistant to washing. The silver ions effectively kill bacteria by breaking their membranes and neutralizing unpleasant odors caused by bacterial growth. The product is said to be economical and comparable in price to other suppliers in India, with superior performance due to its nanoparticle size.

Nano 5 has already been exported to the Hirdaramani industry in Sri Lanka during the COVID-19 pandemic, where it was used on denim and received positive feedback. Polyspin has global aspirations for Nano 5 and is looking to expand its market reach ●●●

RDX Digital Technologies Displays Cutting-Edge AI-Powered Printing At BharatTex 2025

A remarkable impact is likely to be imprinted on the digital printing sphere of the Indian textile industry owing to the latest AI-powered technologies and innovative leaps taken by the young entrepreneurs of RDX Digital Technologies. The company has also leveraged the use of artificial intelligence (AI) in modifying custom textile printing within 30 seconds which has drastically attenuated the turnaround times at the same time, ensuring efficiency and precision.

Founded by a young, experienced engineer, and a tee-shirt printer, the firm is doing pretty well in terms of leveraging innovation at an affordable price with all new features that are very useful for entrepreneurs and firms to stay competitive in the industry.

Initially, the firm used to be an e-commerce based custom platform for T-shirt printing. Fine-tuned to the needs of the printers, RDX Digital technologies developed its own latest digital printing technology which overcame the perils associated with imported machinery.

RDX presently manufactures high-performance digital printers in Coimbatore which ascertains faster



(3rd from left) DEEPAK SIDDHARTH K, CEO, RDX Digital Technologies with his team at BharatTex

outputs and seamless operations for businesses of all sizes. As of now, RDX can produce five machines every three weeks and the Gen 6 machines of 16-head Ricoh which is capable of printing 400 pieces per hour that is an example to redefined bulk manufacturing.

Additionally, the firm is also looking forward to automate to increase scalability and reduce manual labour. RDX Technologies is also planning to make their footprint on the international markets such as the US, Vietnam, Bangladesh, and Africa by introducing high-end direct-to-garment (DTG)

solutions to ensure on-demand production. RDX Digital Technologies essentially acts as a harbinger of implementing and commercialising AI-powered textile digital printing in India and beyond which is likely to inspire other players in the same niche of the industry. ●●●

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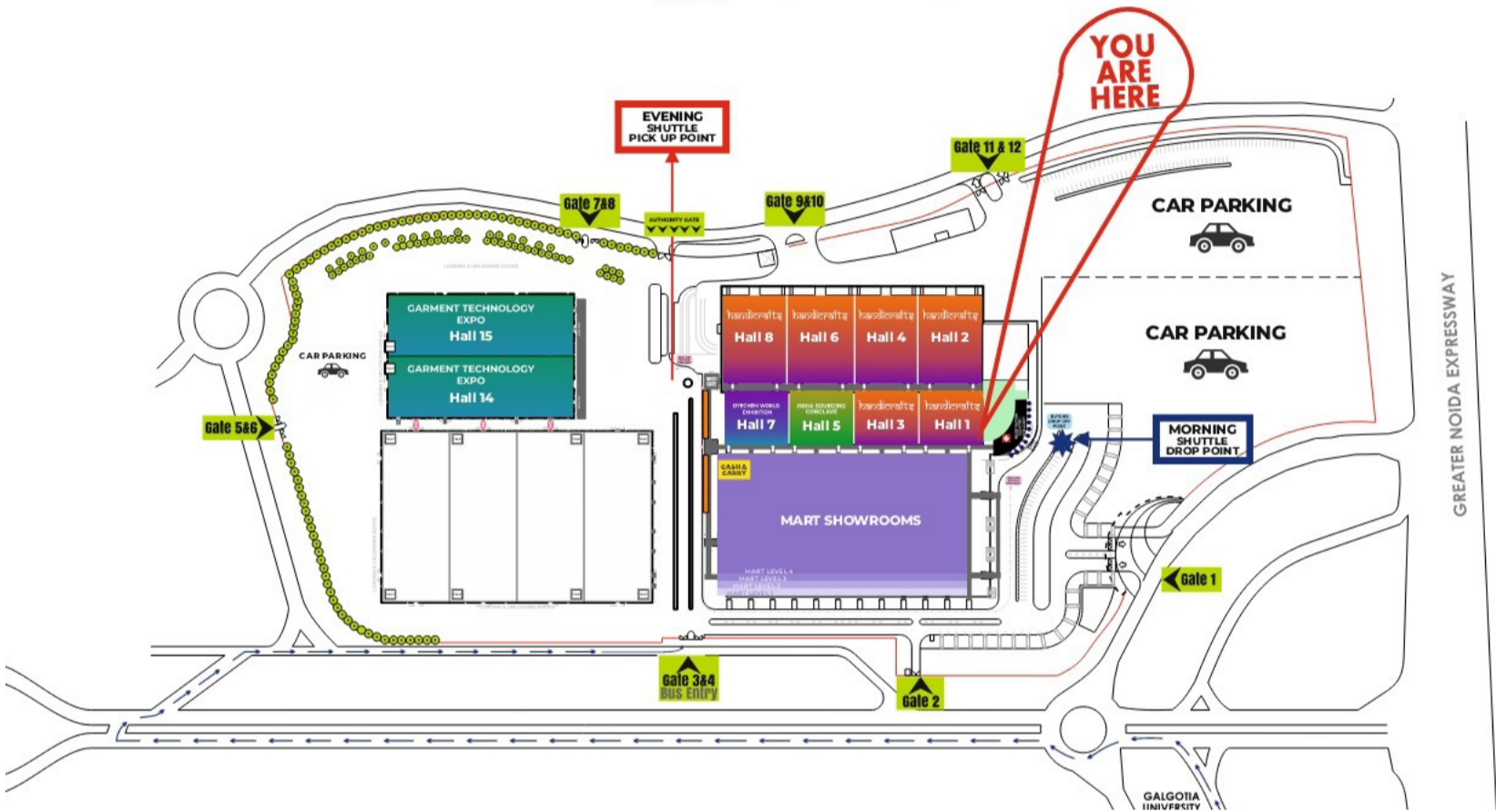
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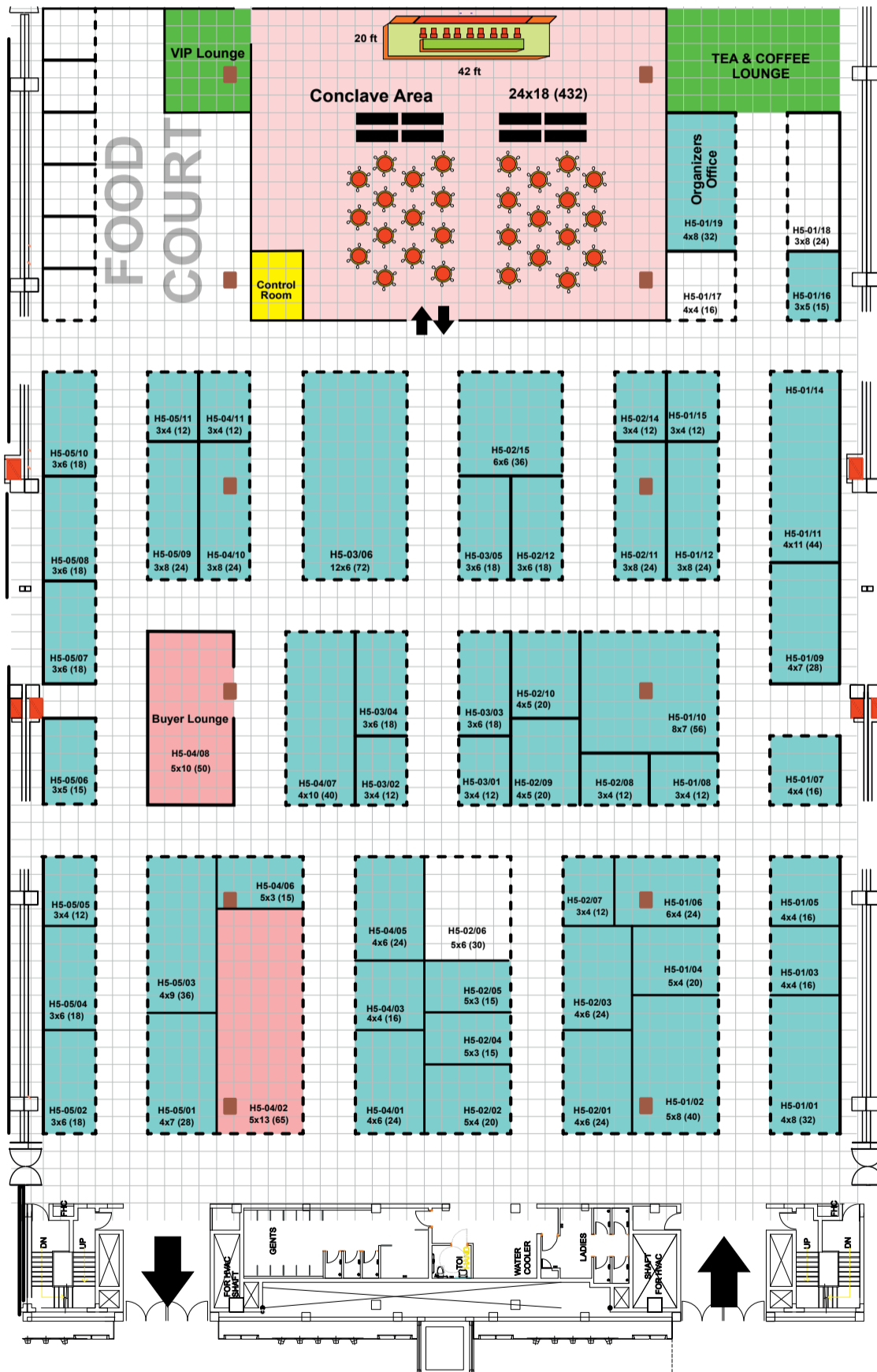
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52	Wellness Body Care	H5-02/09
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ACES OF INDIA'S TEXTILE INDUSTRY

The Indian textile industry has been shaped by the vision and dedication of countless pioneers who not only built successful businesses but also created livelihoods, elevated India's textile legacy on the global stage, and transformed the industry into what it is today. Textile Excellence proudly takes this moment to honor the trailblazers—the Aces of India's Textile Industry—whose contributions continue to inspire and drive the sector forward.

‘Find Your Passion And Love What You Do; You Will Witness The Difference It Makes In Your Business And Life’

- NAND KISHORE CHAUDHARY, THE SOCIAL ENTREPRENEUR

Nand Kishore Chaudhary, a globally acclaimed social entrepreneur, is the founder of Jaipur Rugs, one of India's largest manufacturers of hand knotted rugs and is often referred to as 'Gandhi of the Carpet Industry'.

With just two looms and nine artisans in 1978, his journey four decades later stands at Jaipur Rugs becoming a global social enterprise exporting to over 60 countries while providing sustainable livelihood to 40,000 artisans in 600 remote villages across five states in India, out of which 80% of them are women.

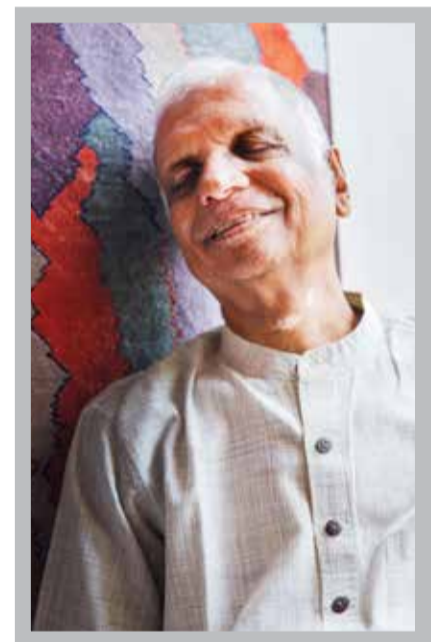
Mr Chaudhary has also been termed as 'father of modern social enterprises' by Prof. Jagdish N. Sheth from Emory University, USA. Sheth said, "Jaipur Rugs has become a role model, that business can serve society and at the same time ... can be a capitalistic institution".

Mr Chaudhary has won awards including E&Y Entrepreneur of the Year Award, CNBC TV18 Emerging India Award, Social Impact Award conferred by former president Pranav Mukherjee among others.

As a simple man, he is devoted to the Indian hand-knotted rug industry with an aim to position it rightly in the world and to empower its real owner and creator - the Indian weaver.



NAND KISHORE CHAUDHARY, Chairman & Managing Director, Jaipur Rugs



result of the passion we all had. One core reason for our success was that it made my life revolve around my passion. Many times, people follow you, looking at the numbers you have achieved. Numbers are an essential aspect of the business, but what is more important is whether what you are doing is something you are passionate about or you are doing because everybody is doing it. I had the same option available to me when I graduated. I could have joined the bank as a cashier like everybody would have at my age, but I chose my passion.

"After doing the business for 46 years, I came to realise that the most important thing that you can invest in your organisation is your passionate drive and not ambition. Ambition corrupts your passion and spirit, letting you forget why you started and who you are. I have borne the consequences of the same and have faced a time when I didn't know if anybody would ever know that Jaipur Rugs existed.

Passion and ambition may seem like similar words, but their resultant outcome is completely different. Find your passion and love what you do; you will soon witness the difference it will make in your business and life."

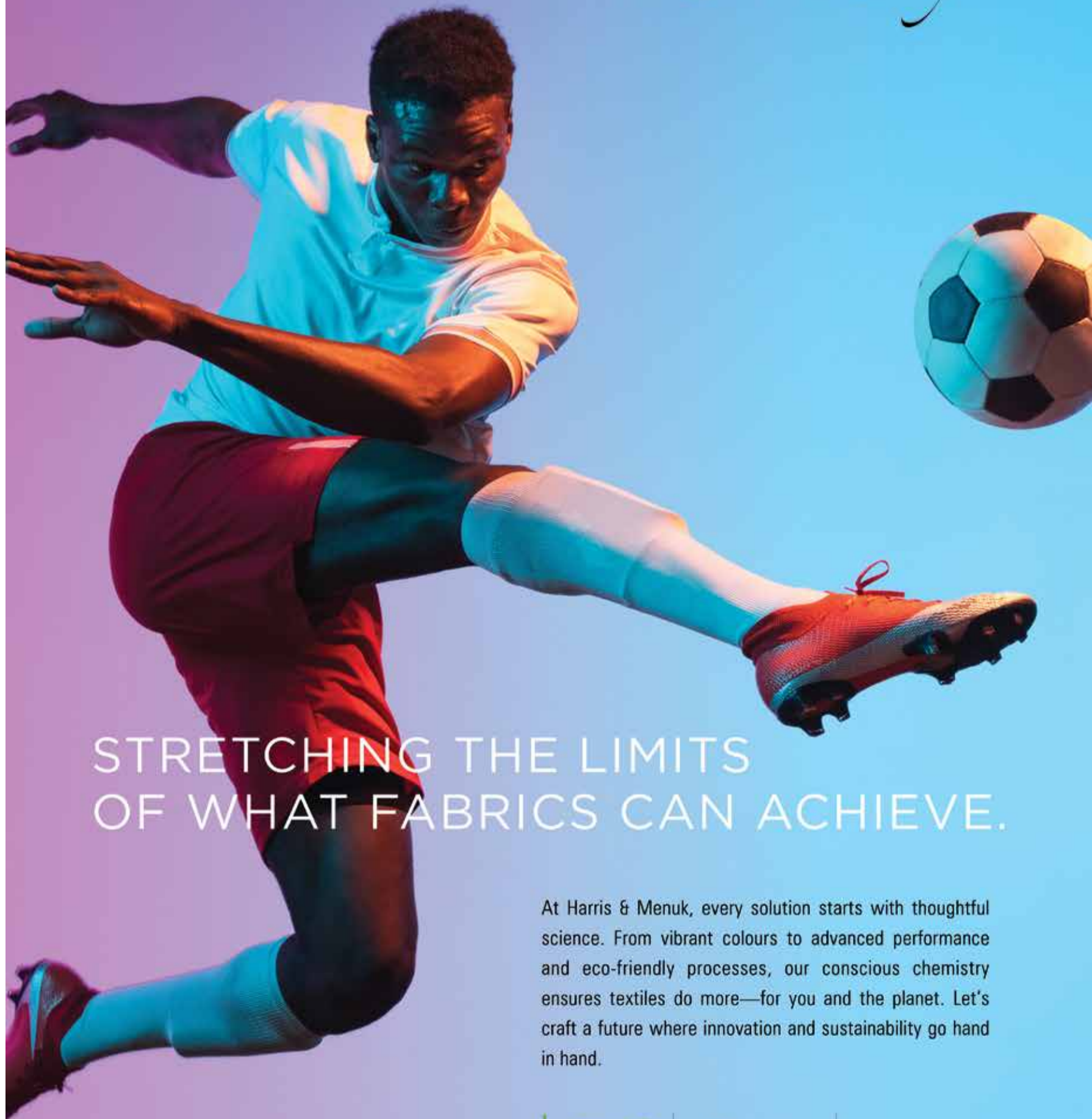
His philosophy of totality, inclusion and for-profit solutions to society are widely discussed. "What Jaipur Rugs is today is the





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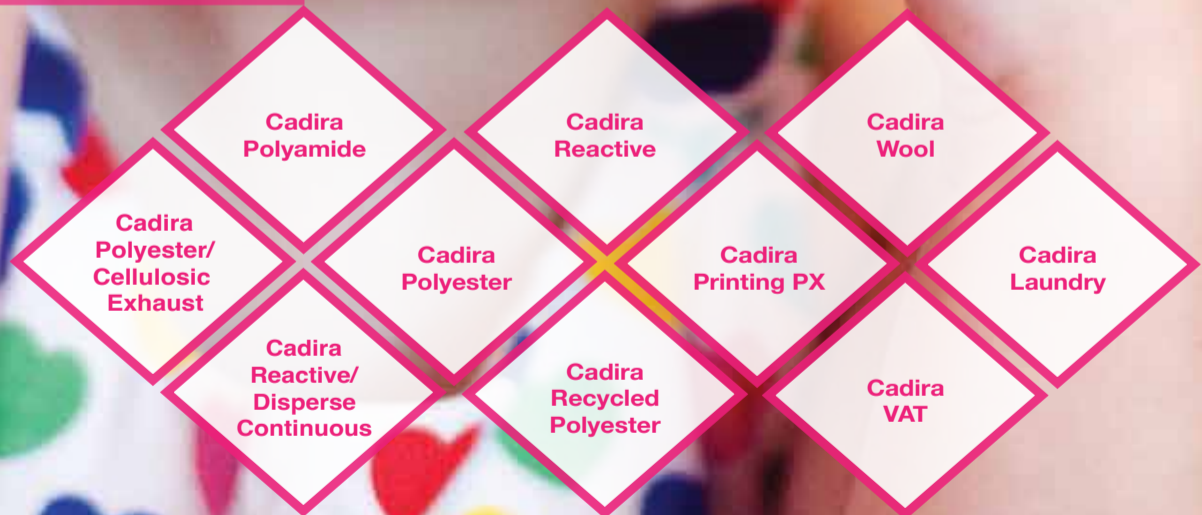
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