



# Bangladesh Textile Today

April 2024  
An Innovation Hub

Navigating as an  
**Innovation Hub**  
in **17<sup>th</sup>**  
YEAR  
ISSN 1999-2076  
Reg. 8/2012



### Transfar Chemicals leading the way in innovative & sustainable solutions

- John Zhu, CEO, Transfar International Group.



## Bangladesh cultivating top-notch quality cotton



**APNA ORGANICS**

See at page 21



**ARCHROMA**  
LIFE ENHANCED

See at page 13



**CHT**  
SMART CHEMISTRY  
WITH CHARACTER.

See at page 17



**NICCA**

Activate Your Life

See at page 25



**Samuda**  
Spec-Chem Limited

See at page 03



**Transfar  
Chemicals**

See at page 29



See at page 62



Transforming Human Capital

[training.textiletoday.com.bd](http://training.textiletoday.com.bd)



**ZSCHIMMER & SCHWARZ**  
Since 1894

Please turn off to see the full advertisement

# HYDROSET ECO-DRY

## The ECOLUTION of moisture management

The speed and efficiency of the wicking process has a decisive impact on the comfort offered by a garment. Functional fabrics that promote moisture transport ("wicking") make sure that sweat and moisture are transported away from the body to the outer surface of the clothing where it can evaporate, thus keeping the body dry and warm.

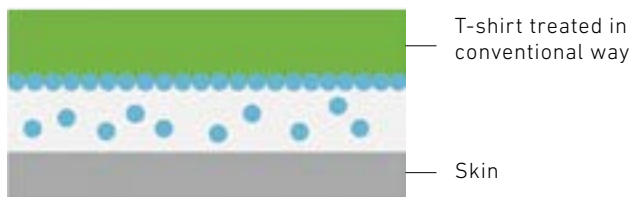
With our innovative HYDROSET technology, our natural moisture-wicking agent HYDROSET ECO-DRY based on bio-polymer and microalgae helps ensure optimum moisture management on synthetic fibres.



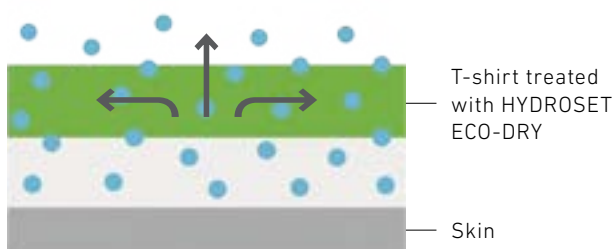
### BENEFITS

- ▶ Excellent moisture transport
- ▶ Very good breathability
- ▶ For all synthetic fibres and blends
- ▶ Excellent durability and fast drying
- ▶ Supports the natural well-being of humans
- ▶ Reduces carbon footprint

### NO MOISTURE TRANSPORT



### MOISTURE TRANSPORT



### ABSORBENCY (WICKING TEST)



Standard finish



HYDROSET ECO-DRY

### TEGEWA DROP TEST



Standard finish



HYDROSET ECO-DRY



**ZSCHIMMER & SCHWARZ  
MOHSDORF GmbH & Co KG**

Zschimmer & Schwarz, Textile Auxiliaries Division  
Chemnitztalstrasse 1, 09217 Burgstaedt I DE  
T+ 49 3724 - 67222, F+ 49 3724 67 209  
E: textile@zschimmer-schwarz.com  
www.zschimmer-schwarz.com



**ZSCHIMMER & SCHWARZ**

Since 1894

Country Representative:



Nexagen Specialities Ltd  
Giant Business Tower, Level-12(West), Plot # 3 & 3/A  
Sector # 3, Uttara C/A, Dhaka- 1230, Bangladesh.  
PBX: + 88 09611775588, FAX: +88 09611775522  
Email: salesupport@nexagenspecialities.com

## PRE-TREATMENT CHEMICALS

<b>Detergent and Wetting Agent</b>	Samwet BLN	<b>Peroxide Stabilizer</b>	Samper STB
<b>Detergent and Wetting Agent</b>	Samwet BLF	<b>Peroxide Killer</b>	Samper KLR
<b>Sequestering Agent</b>	Samseq USA	<b>Green Acid/Core Neutralizer</b>	Samneu CAN
<b>Sequestering Agent</b>	Samseq ASA	<b>Hydrogen Peroxide</b>	(H <sub>2</sub> O <sub>2</sub> )
<b>Anticreasing Agent</b>	Samcre PAM	<b>Caustic Soda</b>	(NaOH)

## AFTER TREATMENT CHEMICALS

**Soaping Agent**  
Samsop ABS

**Soaping Agent**  
Samsop APF

**Fixing Agent**  
Samfix FFF

**Fixing Agent**  
Samfix RFF

**Cationic Softener**  
Samsop CAT

**Nonionic Softener**  
Samsop HWS

**Hydrophilic Silicon Softener**  
Samsop HSS

**Hydrophobic Silicon Softener**  
Samsop PSS

**Green Acid/Core Neutralizer**  
Samneu CAN

## DYE BATH CHEMICALS

**Levelling Agent**  
Samlev FSA



### Corporate Office

T. K. Bhaban (8<sup>th</sup> & 9<sup>th</sup> Floor),  
13 Karwan Bazar, Dhaka-1215

### Dhaka Plant

Sikirgaon, Gazaria,  
Munshiganj, Dhaka

### Chattogram Plant

Chandgaon Industrial  
Area, Chattogram

**Editorial Panel**

**Editor in Chief**

Prof. Md. Monirul Islam

**Executive Editor**

Prof. Dr. Engr. Ayub Nabi Khan

**Technical Editor**

Prof. Dr. Engr. Md. Saifur Rahman  
Dr. Md. Abbas Uddin (Shiyak)  
Dr. Mohammad Nazmul Karim

**Consulting Editor**

Dr. NN Mahapatra  
Dr. Mohammed Tareque Aziz  
C.N. Sivaramakrishnan  
Ashfaque Ahmed

**Associate Editor**

Jamal Abdun Naser  
Md. Mominul Motin (Tusher)

**Managing Editor**

Akhi Akter

**Sub Editor**

Sanjoy Kumar Saha

**Technical Team**

**Co-ordinator**

Setara Begum

**Member**

S.N. Abdullah  
Amzad Hossain Monir

**Editor & Publisher**

A.S.M Tareq Amin

Published on 27<sup>th</sup> April 2024 by  
Amin & Jahan Corporation Ltd.  
House-41, Road-5, Block-B,  
Monsurabad R/A, Adabor, Dhaka-1217  
Tel: +88 02 55093682  
Email: info@textiletoday.com.bd  
Web: www.textiletoday.com.bd

**Printed by:**

VIP Printers, Fakirapool, Dhaka.

The views expressed in the magazine are not necessarily those of the publisher or the editor. We have taken every effort to ensure accuracy. Bangladesh Textile Today does not accept any liability for claims made by advertisers or contributors. The publisher reserves the right to edit and publish any editorial material supplied and does not accept responsibility for loss or damages of any unsolicited material or contribution.

©All rights reserved to Amin & Jahan Corporation Ltd. 2024  
Volume 17, Issue 04 (April 2024)  
Reg 8/2012, Dhaka.



# LOW TEMPERATURE

EFFECTIVE KNIT PRE-TREATMENT AND  
BIOPOLISHING IN THE SAME BATH

## BIOLASE APC

**FEATURES:**

Scouring at 55°C

Scouring & Enzyme in same bath

Needs only 90 minutes to start dyeing process

Saves 1:30 hours

Saves 50% water consumption

Needs only 02 chemicals instead of 09 chemicals



Chemical



Steam



Environment

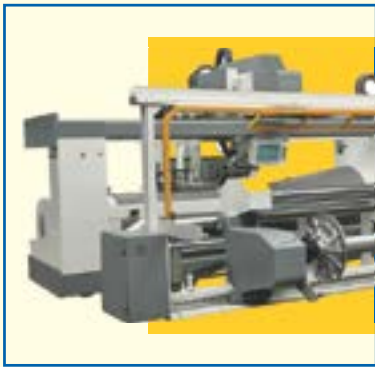


Water



Time

## Excellence in Weaving Preparatory



**PRASHANT GAMATEX**

High tech sectional warper, robotic warping, creel, single end sizing, narrow fabric machinery and loom printer.



INDIA-ITALY

INDIA-USA

**PWUP PRASHANT WEST POINT**

Sizing and warping machine for spun, filament and jute, indigo rope dyeing and sheet dyeing, Polybeamer with unrolling creel for PP and HDOE tapes and specialised creel



**ferber PRASHANT FERBER**

Motorised and manual warp beam trolleys, inspection and finishing, computerised vertical beam storage system.



INDIA-ITALY



## MANUFACTURING DYEING & PRINTING AUXILIARY SINCE 1990.

- 3 Manufacturing concerns in Dhaka and Gazipur including 1 Export-oriented unit
- Technology from France, Japan and Taiwan
- ISO accredited laboratory
- Can save valuable lead time and investment for 100% Export-oriented textile mills
- GOTS, Eco-Passport & ZDHC Level-3 Certified Products.



**N A M** NAM TRADING & MANUFACTURING CO., LTD.

A concern of

 **DYSIN GROUP**

Corporate Head Office & Laboratory Services

Skylark Point (3rd Floor), 24/A Bijoy Nagar, 175 Shohid Syed Nazrul Islam Soronee, Dhaka-1000, Bangladesh.

Phone: +880-2-4831 6729, 4831 2049, 4831 5060, 4831 6260, 5831 5963, Fax: +880-2-5831 2779

E-mail: [dysin@dysin.com](mailto:dysin@dysin.com), Web: [www.dysin.com](http://www.dysin.com)

# SERICOL

More than ink...Solutions.

FUJIFILM

## ZDHC Level-3 Printing Inks from FUJIFILM SERICOL



### Seritrans TA

PVC & Phthalate free  
water based transfer inks

### Pioneer Ultra YC

PVC & Phthalate free  
plastisol inks

### Solvent Base NXI

PVC & Phthalate free  
Solvent inks

**SERICOL'S TEXTILE PRINTING SOLUTIONS...REAP FRUITS FOR YEARS**

Represent in Bangladesh by:



**DYSIN GROUP**

Serving Bangladesh Textile Since 1984

#### Corporate Head Office & Laboratory Services

Skylark Point (3rd Floor), 24/A Bijoy Nagar 175 Shohid Syed Nazrul Islam Soronee,  
Dhaka-1000, Bangladesh.

Phone: +880-2-4831 6729, 4831 2049, 4831 5060, 4831 6260, 5831 5963

Fax: +880-2-5831 2779, E-mail: [dysin@dysin.com](mailto:dysin@dysin.com)



Read/Share  
E-Copy Magazine



# Content

April' 24 | Volume 17 | Issue 04

## 12 | Editorial



Due diligence laws should be universal

## 14-16 | Cover Story



Bangladesh cultivating top-notch quality cotton

## 18 | Experts Views



How to navigate the Red Sea crisis's impact on your textile supply chain

## 19-20 | Cover Plus



Bangladesh widens gap with Vietnam in global apparel export markets

## 22-23 | In Focus

Changing behavior in the zakat donation	Smuggle in of foreign clothing items	Higher cost of living
<ul style="list-style-type: none"> <li>Hassles in transportation and distribution of Zakat cloths</li> <li>Give the donation through financial mobile service or direct cash</li> </ul>	<ul style="list-style-type: none"> <li>Traders brought three pieces from India and Pakistan</li> <li>Customers like to buy those smuggled in garment items</li> </ul>	<ul style="list-style-type: none"> <li>People have adopted austerity measures to limit their expenses</li> <li>Bangladesh has been experiencing higher consumer prices, 9% since May 2022.</li> </ul>

Approximate Eid Sales  
**Tk 35,000 crore**  
 Eid-ul-Fitr +25%  
 Eid-ul-Azha +75%

Eid clothing sales was slow this year

## 24-27 | Top Story



Recycled fashion is the future of Bangladesh's RMG business

## 28-30 | Exclusive Interview



Transfar Chemicals leading the way in innovative & sustainable solutions

## 31 | Traditional Leather

The historical and natural leather tanning technique of Morocco

## 32-36 | Market Analysis

Japan apparel market analysis: apparel exporter needs to know exploring the market

## 38 | Research Review

A systematical way-out of lab to bulk RFT problems

## 39 | Research Review

"Man-made fiber plant: Polyester can be a glorious future of Bangladesh"

## 40 | Research Review

Minimizing drease marks: Enhancing product quality and profitability in knit fabric dyeing



*Genuine spare parts*  
for maintenance  
operation from INNIO  
Jenbacher authorized  
distributor.

Boost productivity and maximize uptime with quality genuine parts from Clarke Energy Bangladesh Limited. With easy access to high-quality parts, you can lower your total cost of ownership and preserve the value of your Jenbacher gas engines throughout its entire life cycle.

**Want to know more about our 'multi-year agreement' for spare parts, please contact:**

**JENBACHER**

**INNIO**

Distributor & Service Provider

Clarke Energy Bangladesh Ltd  
Laila Tower, 12 Floor,  
8 Gulshan Avenue, Gulshan-1,  
Dhaka-1212, Bangladesh

Tel. +88-02-2222 97355 & +88-09-6062 52252  
24x7 service support. +88-01730-068134  
Email. [bangladesh@clarke-energy.com](mailto:bangladesh@clarke-energy.com)  
[www.clarke-energy.com](http://www.clarke-energy.com)

## Factory Tales

### 45 | FT Editorial

Unbridled interest rates rise disturbs the industrial and export sectors

### 47-48 | Industry Best Practices

APS Knit Composite sets benchmark with LEED Gold Certification

### 48 | Award & Recognition

Shanta Expressions of Masco gets 'Best Quality Supplier' award from Target

### 50-51 | Industry Best Practices

Tropical Knitex reduces 90-95% water usage per screen wash

### 52-54 | Sustainable Energy

Solar EPC drives energy independence for Rising Spinning Mills with 3 MW rooftop solar project

### 56 | Collaboration Today

JTOP & Mitsubishi to collaborate with BGMEA for RMG sustainability

### 55-56 | Exclusive Interview



bluesign® equipping textile value chain for EU Digital Product Passport regulations

## Apparel Today

### 63 | AT Editorial

Bangladesh solidifies its position as a global leader in sustainable manufacturing

### 65-66 | Denim Today

Bangladesh denim exports Humble start to a global market leader

### 68-69 | Exclusive Interview



"We will work to empower buying houses through recognition and policy support"

### 72-74 | Exclusive Interview



Pure Chemicals boosts sustainability and competitiveness

### 75 | Associations' Activities



BGAPMEA to hold election for the first time, panel announced

## Spinning Today

### 81 | ST Editorial

Spinners are experiencing challenge to stay alive

### 83-86 | ST Top Story

Investment in spinning sector slowed down

### 86 | Cotton Today

Brazilian cotton prices weak in mid-March

### 87 | Advertorial

US Cotton Trust Protocol bolsters grower support for sustainable cotton production

### 88-90 | Advertorial



Hanif achieves 10% Productivity Increase thanks to Rieter After Sales

### 90 | Event Review

Italian textile technology showcased in Indian symposia

### 91-92 | Jute Sector Updates

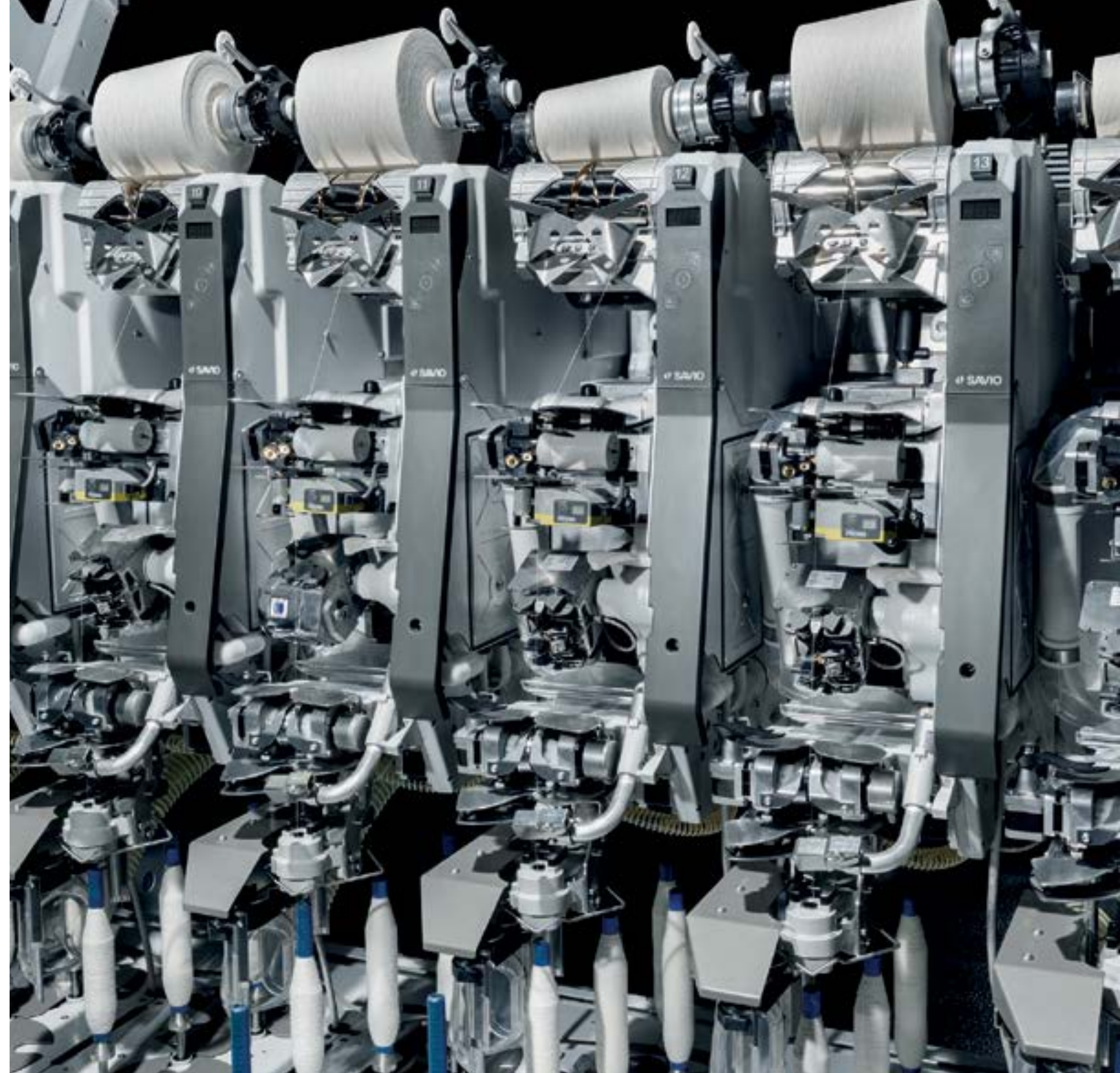
Is it possible to earn \$5bn from jute and jute products

### 94-95 | Traditional Textiles

History behind the world's most expensive vicuna wool

### 96 | News & Analysis

How third-country port warehouses boost Bangladesh's spinning industry



# WHY SHOULD **PROXIMA SMARTCONER®** BE CHOSEN



Watch the video

The new winding machine Proxima Smartconer® is setting the benchmark in Savio automatic winding. The Smart connotation implies the ability to have a machine able to perform the appropriate actions to improve productivity and efficiency, minimizing hard waste, reduce energy consumption and time of inactivity in the factory.

in @ ▶ f  
saviospa.com

▶ **SAVIO**

# Due Diligence

## Due diligence laws should be universal

**Akhi Akter**

In the global garment industry, due diligence involves conducting comprehensive assessments and investigations to ensure that all aspects of production, from sourcing raw materials to manufacturing processes and labor conditions, follow legal requirements, industry standards, and ethical principles.

Recently the European Union (EU) has urged Bangladesh to adhere to all 32 international conventions regarding environment, labor and human rights in order to maintain duty-free market access under the Generalized System of Preferences (GSP) policy.

The ready-made garment (RMG) industry of Bangladesh is already bringing into line with the new due diligence laws and sustainability. And it is aiding the country to remain a preferred choice of global buyers as a responsible and ethical apparel sourcing hub in the world.

The Bangladeshi government has introduced several regulatory reforms aimed at enhancing worker safety, improving labor conditions, and ensuring environmental sustainability. These include amendments to labor laws, building safety initiatives, and

environmental regulations.

Many textile and apparel companies in Bangladesh are obtaining certifications such as ISO 9001 (quality management), ISO 14001 (environmental management), and SA8000 (social accountability) to demonstrate their commitment to due diligence and compliance with international standards.

Brands and retailers are increasingly conducting supplier audits and monitoring mechanisms to assess compliance with ethical, social, and environmental standards. These audits help identify areas for improvement and ensure accountability throughout the supply chain.

Efforts are underway to enhance the capacity of suppliers, workers, and relevant stakeholders through training programs, workshops, and awareness campaigns. By providing education and resources, the industry aims to foster a culture of responsibility and sustainability.

In a recent program, Bangladesh Garment Manufacturers and Exporters Association (BGMEA)'s former President Faruque Hassan called for "universal" due diligence laws.

As the manufacturing and factory costs is increasing, manufacturers are facing difficulties to comply with several types of legislation.

Factories vary in terms of cost competitiveness and capacity levels, which is making it more difficult for them to comply with several legislations while it can be done in a universal way.

Also, maintaining due diligence is not a "one man's game" rather it is something that needs the support and assistance from other stakeholders like brands to make it successful.

While the goal the apparel industry wants to achieve through implementing due diligence law is universal and desired by all, therefore, the legislation should be something that is really global and accepted in all places. As a result, suppliers will not witness difficulty adhering to legal requirements, industry standards, and ethical principles.



**Author:**  
**Akhi Akter**  
Managing Editor  
Textile Today

/ Do you know the eco-impact of a deep colored t-shirt?

## DEEP DIVE 2.0

A complete system for maximum coloration efficiency with enhanced fastness, and dramatically reduced use of water, chemicals and energy



SAFE



PROCESS TIME  
-18%



WATER CONSUMPTION  
-31%



ENERGY CONSUMPTION  
-34%



CHEMICAL USAGE  
-17%



CO<sub>2</sub> EMISSION  
-33%

EFFICIENT

The Archroma Way:  
Safe, efficient, enhanced  
**IT'S OUR NATURE**

[www.archroma.com](http://www.archroma.com)

# Bangladesh cultivating top-notch quality cotton

*Textile Today Factory Tales team went to the Pakutia Union of Nagarpur Upazila, Tangail District to dig out the crystal-clear picture of the cotton cultivation target of 2023-24, quality, price, and other various aspects*

**Sayed Abdullah**

Bangladesh is one of the top cotton-importing countries globally. Every year the country imports 80-85 lakh bales of cotton for the 450 spinning mills of the textile sector to meet the demand.



*Figure: CDB is collecting cotton from the farmers.*

At present, only 2-3 percent of the cotton demand is met domestically. Bangladesh ranks 40th as a cotton-producing country in the world. In the 2020-2021 fiscal

year, Bangladesh produced 176,286 bales of cotton.

Globally leading cotton-producing countries have their cotton policy. Regardless, that is absent in Bangladesh's case. It is high time that the country also needs such policies to speed up the production process.

To cancel out this handicap to some extent and increase domestic cotton – the Cotton Development Board (CDB) is playing a paramount role. Recently, CDB has started a mega project for research, conservation, infrastructure development and expansion of cotton cultivation along with cotton and other natural fibers. Throughout the country, CDB has cultivated cotton in 46,000 hectares in 2023-24 crop year (CY) – in 13 zones and 185 units. Around 25000 farmers are cultivating this golden fibre.

CDB is working to supply 20% of Bangladesh's cotton demand by 2041. Initially, 2.5 lakh hectares of cultivable land has been earmarked and research projects have been taken up for the development of improved varieties and hybrid varieties of cotton.

To dig up the more on-field perspective, Textile Today Factory Tales team went to the Pakutia Union of Nagarpur Upazila, Tangail District – where the FT Research Team talked to CDB officials, and farmers to depict the crystal clear picture of the cotton cultivation target of 2023-24, quality, price and other various aspects.

S. M. Abdul Baten, Chief Cotton Development Officer, CDB said, "First of all, despite severe weather, we have managed to achieve 100% of our cultivation target. This success was a combined effort of our field officers and farmers. I want to especially thank our farmers for following all our guidelines step-by-step. The success rate is such that we are expecting to fetch on average 600kg of cotton per bigha (33 Decimal) land. And we have cultivated cotton on 1,495 hectares in the Dhaka Zone for the 2023-24 CY. Overall, we are optimistic that we can achieve the CDB's cotton cultivation target."

***"Thanks to the Cotton Development Board's initiatives, Pakutia Unit's Seed cotton varieties boast exceptionally low moisture content, ranging from 6% to 6.5%. This surpasses the global standard of 12% acceptable moisture for cotton crops, highlighting the exceptional quality achieved."***



**S. M. Abdul Baten**  
Chief Cotton Development Officer, CDB

"Besides seed cotton varieties, we have also sowed 2 varieties of high-yielding and pest-resistant BT cotton seeds between October to September - a genetically engineered crop - under the supervision of the Ministry of Agriculture. And I am pleased to inform you that on average we are getting around 560-600 kg of cotton per bigha. Overall, we are getting a tremendous result."

In terms of the highest-yielding cotton varieties

cultivated in the country, Abdul Baten said, "Four varieties are very popular to the farmers. These are CB hybrid -1, Shuvro-3, Rupali-1 and DM- 4. Cotton Development Board's 'CB hybrid-1' is the highest-yielding cotton variety. On average, we are expecting around 640kg of cotton per bigha."

Md. Ali Jinnah, a cotton farmer said, "After 50 years of cultivating cotton, I can confidently say this year's crop is the highest quality I've ever seen."

Land scarcity is a big obstacle to cotton cultivation, in this regard, profitability plays a key role for farmers.

Another prominent cotton farmer of Pakutia Union, Aliar Hussain said, "In 2023-24 CY, I have cultivated in 3 bigha. And I am expecting around 2000 to 2100 kg of cotton crop. Which will bring around BDT 195,000."

In terms of the CDB's help in the cultivation process, Aliar Hussain said, "CDB provides a game-changer for cotton farming. They offer a variety of seeds, pesticides, and fertilizers, with some even being available for free. Taking into account the costs, which typically fall between 40,000 and 45,000 taka, I still see a remarkable profit of around 150,000 taka. Honestly, no other crop delivers this level of profitability!"

***"Cotton farming is booming in our Union! 120 cotton farmers have planted on 300 bighas this year, and we're gearing up to cultivate an additional 300 bighas next year, for a total of 600."***



**Aliar Hussain**  
Cotton farmer

**Table: Armada Spinning Mills Ltd. tested 64 cotton specimens from Bangladesh in Feb-Mar 2023.**

	RiSI	Moist (%)	Mic(ug/ inch)	MR	UHML (mm)	UI (%)	SFI	Strength (g/tex)	Elong (%)	Rd (%)	+b	C.G.	Tr.Cnt	Tr. Area (%)	Lf. Grade
Avg	133.3	4.66	4.96	0.90	31.13	83.6	7.4	29.0	6.8	71.3	7.5	41-2	22	0.26	3
Median	132.6	4.66	5.05	0.90	31.11	84.1	7.1	28.4	6.8	71.2	8.1		8	0.09	
SD	12.8	0.00	0.43	0.01	1.22	2.0	1.5	2.3	0.1	2.8	1.5		46	0.62	
CV%	9.6	0.02	8.68	1.51	3.91	2.3	20.6	7.9	2.1	3.9	19.5		210	235.95	
Min	83.2	4.66	4.02	0.86	28.45	73.0	5.7	25.2	6.5	63.7	3.6		0	0.00	
Max	162.8	4.66	5.68	0.94	34.43	86.8	17.7	36.9	7.1	77.9	9.5		250	3.68	
RH (%) / Temp(°C): 65 / 25.4															

*“Bangladesh's cotton breeds exhibit encouraging signs in terms of staple length, micronaire, and GOT (Ginning Out Turn). These quality indicators are comparable to some of the world's best varieties, suggesting potential for further development within the industry. For these reasons, Bangladesh's fiber cotton breed is one of the most sought-after cotton varieties in the world,”*







**Md. Raihan Kauser**  
Cotton Development  
Officer, CDB

Cotton farmer Md. Matiur Munna, said, “I have been growing cotton for the last 15 years. This year's yield is the best of quality without a shadow of doubt. The main reason is seed variety is top-notch. We are expecting a good profit this year. I want to express my gratitude to CDB officers, as they provide all kinds of support.”

Farmers can plant 2 crops in a year. And in Bangladesh, cotton is a long-duration crop. Matiur Munna, said, “Cotton is a 7-month crop. Besides cotton, we plant jute or other crops. This widens our profitability.”

Elaborating on the crucial aspect of the country's specialty and cotton qualities the textile industry

	<b>3 Bigha Cultivation Cost</b> <b>BDT 40-45K</b>
	<b>Seed Cotton Produced</b> <b>2000 kg</b>
	<b>Per kg Seed Cotton Price</b> <b>BDT 97.5</b>
	<b>Expected Profit</b> <b>BDT 145-150k</b>

seeks, Md. Raihan Kauser, Cotton Development Officer, Cotton Development Board said, “Our country's seed cotton is one of the best qualities in the world. The main reason behind this is our cotton is hand-picked. This eliminates all types of trash. Whereas, other leading cotton-growing countries use mechanization methods to pick cotton. Which contains some trash.”

“From the farmers, the Ginning Association buys the cotton. After the ginning process, textile spinning mills like Armada, SQUARE Textiles and other local mills buy our cotton.”

In terms of research and development (R&D) of CDB, S. M. Abdul Baten said, “CDB is progressing considering 3 aspects. First, to invent short-duration cotton variety. Second, to increase yield. And thirdly, to implement High-Density Planting System (HDPS) to increase farmers' profit. For short-duration cotton, we are doing R&D to make it a 5-month crop. So, the farmers can grow two more crops besides cotton.”

“If we can make a breakthrough on these 3 aspects – then we can harvest and meet at least 20% cotton of the demand very soon.”

## Gap opens new stores in India

### Imran Hossain

The apparel company Gap has launched its men's, women's, and kids' collections at its 30th exclusive brand store in Mumbai, India. Recently, the brand operated by Reliance Retail launched another physical location in Pune. The new one in Mumbai features an all-white, contemporary layout with sections dedicated to the company's men's, women's, and kids' ranges.

The store front display reflects its iconic blue and white colors, with a particular emphasis on its famous denim line.

Mukesh Sinha, Channel Head, Gap's said, “New stores are designed to mix technology with in-person experiences and feature digital display screens as well as smart trial rooms and an express check-out service.”

Reliance Retail, a division of Reliance Industries Limited, operates Gap stores in India. The brand launched many shop-in-shops in 2022 before opening its first standalone location in India in February of last year.

# CHT

SMART CHEMISTRY  
WITH CHARACTER.



# CHT TEXTILE DYES APP

THE DYER'S BEST FRIEND

The CHT Textile Dyes App is the perfect companion for every dyer, printer, textile technician, operator, lab technician, salesperson, and any other stakeholder along the textile chain. Use our app to access everything you need: detailed shade cards, product profiles, handy calculators to find unique and sustainable solutions, process recommendations for exceptional color results, our product certifications, and much more. Discover the colorful world of textile dyeing – download the app today!



More about us at [www.cht.com](http://www.cht.com)

# How to navigate the Red Sea crisis's impact on your textile supply chain

**Emily Newton, Editor in Chief, Revolutionized**

The Red Sea shipping crisis has drastically altered trade route options since Houthi militants have repeatedly targeted commercial vessels moving through the region. How have textile manufacturers coped with this and what can they — and you — continue to do as the situation evolves?

## Consider air freight during the Red Sea shipping crisis

The heightened danger along the Red Sea shipping route has caused people to adapt by choosing alternative, safer options that lengthen the journeys. Many textile buyers won't tolerate those longer lead times, though, causing some Bangladeshi manufacturers to lose business.



*Figure: The Red Sea shipping crisis has drastically altered trade route options since Houthi militants have repeatedly targeted commercial vessels moving through the region.*

Shovon Islam — owner and Managing Director of Sparrow Group — in January 2024, he lost a U.S. buyer's order of 150,000 pieces that would have brought the manufacturer the equivalent of several million dollars. The buyer chose to work with an Indonesian competitor that offered a shorter lead time.

Islam explained that all the major shipping lines are dealing with the situation by sailing around Africa's tip, but that decision brings a 50% increase in shipping costs and adds at least 10 days to the transit time frame.

Islam said the increased lead times pose constant challenges for Bangladeshi manufacturers.

Although using air freight as an alternative costs significantly more, it's also much faster. Manufacturers must weigh the pros and cons. Is it worth accepting the costs to preserve a lucrative client relationship?

## Understand when air freight makes the most sense

RDM Group's Rakibul Alam Chowdhury said a European buyer insisted on shipping via air freight. Even though that costs up to 12 times more, Chowdhury said refusing would have ended future business from that client.

Sending 1 kilogram of clothing from Bangladesh to Europe costs less than 20 cents by sea but as much as \$3.50 by air. However, the total impact on manufacturers depends on the method. When Bangladeshi garment exporters send goods via the freight-on-board option, the buyers bear the shipping costs. However, with the cost-and-freight option, suppliers do.

When retaining a major buyer's business is at stake, manufacturers dealing with shipping issues must consider whether to move ahead with air freight. Besides providing the speediness that keeps clients satisfied, the shorter transit times can eliminate other issues linked to lengthy delays, such as mold growth.

## Keep buyers informed

Manufacturers caught up in the Red Sea must maintain outstanding communication with buyers. Brands within and outside the garment industry have published statements explaining how they believe the Red Sea shipping crisis will affect their businesses.

Consumers who receive excellent customer service and ongoing updates will be more likely to stick with affected manufacturers despite longer lead times. Customers will also appreciate hearing how parties mitigate the long-term effects. For example, Khairul Alam Suzan — Vice President of the Bangladesh Freight Forwarders Association — advocates for securing the supply chain and affected sea routes by having discussions with the nations in conflict to reach agreements.

Relatedly, he suggests strengthening inter-country relations with all affected nations to prevent economic ramifications and widespread suffering. Such efforts will take time, but they could be worthwhile.

## Nimbleness is a necessity

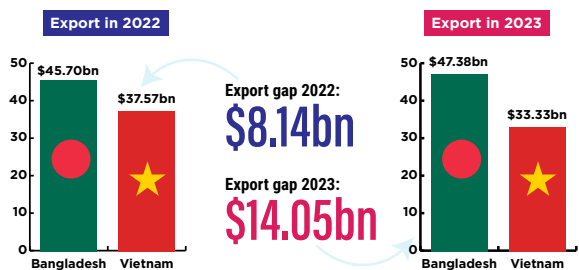
The unpredictableness of these circumstances require textile manufacturers to monitor their supply chains and respond to emerging challenges.

Since this situation has caused extra costs for many affected parties, decision-makers should investigate practical solutions for cutting expenses elsewhere. When you show a willingness and ability to adapt, it'll be easier to convince shoppers to keep buying.

# Bangladesh widens gap with Vietnam in global apparel export markets

*It needs to adopt technology and invest in skill development and innovation for high valued product manufacturing*

**Staff Correspondent**



*To sustain the growth and remain the second largest exporter title, we have to identify our shortcomings and ways to grow further."*

Professor Mustafizur Rahman  
Distinguished Fellow  
Centre for Policy Dialogue (CPD)

Facts: Vietnam	Facts: Bangladesh
» Competing with half workforce: 4.0mn+ Vs 2.5mn	» Capacity is larger but produce mostly basic items
» Bangladesh lost its 2nd position to Vietnam in 2021	» Weak in product marketing
» Strategic location with the EU & US	» Minimum workers' wage rose to Tk12,500
» Competitive labor costs with higher productivity	» FDI in T&A is relatively low, even from China
» Focused on technology and innovation	» Higher corporate tax and tax complexity hinder FDI
» Invested more in skill development	» Doing business is harder in licensing & utility services
» Makes high valued goods & earns better prices	» Focusing on technology, sustainability & safety
» Closer supply source of raw materials	» Exporting high valued items i.e., denim, jackets, suits
» Strong backward linkage industry	» identifying challenges & opportunities of non-cotton

Bangladesh has widened the gap with its close competitor Vietnam in the global apparel export market to retain the second position as supplier of clothing items after China.

According to Export Promotion Bureau (EPB) and General Statistics Office of Vietnam data, in 2023 Bangladesh earned \$47.38 billion, which is \$14 billion higher than Vietnam's \$33.33 billion in the same period.

In 2022 the gap was \$8.14 billion as Bangladesh earned \$45.70 billion against Vietnam's \$37.57 billion.

Though the widening gap gives exporters confidence, but experts as well as the sector people warned not to be complacent as Vietnam is competing with Bangladesh with almost half of the workforce. It is a threatening factor for Bangladesh to retain second position in the global market.

Bangladesh's apparel industry employs over 4 million people, while Vietnam's labor force in the sector is over 2.5 million.

Bangladesh lost its second position to Vietnam in 2021, when it earned \$27.47 billion against the latter's \$29.8 billion.

"If we consider Bangladesh's gap with China, it is very large. But in the last two years, we have done better than Vietnam. However, it does not guarantee that we will remain second as Vietnam's apparel export performance was better in the last couple of years," said Professor Mustafizur Rahman, distinguished fellow at Centre for Policy Dialogue (CPD).

To sustain the growth and remain the second largest exporter title, we have to identify our shortcomings and ways to grow further, said the economist.

Rahman also urged to be prepared to face the post LDC challenges as it may lessen our competitiveness in the export markets due to tax benefits erosion.

### Problems and ways forward

In terms of comparative benefits, Vietnam is in a strategic location with the European Union and the US, while it has competitive labor costs. The country has focused on technology and innovation as well as invested more in skill development.

*“We have a good number of factories but the lion share of RMG export earnings are contributed by a few large groups”*



**SM Khaled**  
Managing director  
Snowtex Group.

Our capacity is larger than Vietnam but we produce mostly basic items except a few. In contrast, Vietnam makes high valued goods and earns better prices, said Khaled.

On the other hand, despite having a big workforce, we are manufacturing less quantity and basic items as their skill and productivity is comparatively lower than Vietnam, he said.

“They have a closer supply source of raw materials from China and a strong backward linkage industry.”

To cash the opportunity of capacity and large volume workers, we have to invest in skill development and move towards product diversification of most non-cotton and high valued goods, said Khaled.

“Bangladesh manufacturers are weak in product marketing. As a result, they take basic orders. For example, from a buyer an exporter can grab 50,000 basic work orders but similarly he/she has to negotiate at least five brands or buyers to grab 50,000 orders, said Abrar Hossain Sayem, a director of Bangladesh Garment Manufacturers and Exporters Association (BGMEA).

Bangladesh has to set a strategy on how to take a \$2-\$3 order to \$5-\$6 one. Buyers pay \$15 for a woolen sweater, while an acrylic sweater pays \$5-\$6 on an average, said Sayem.

“We have to address this challenge to reap the most benefits of our capacity.”

For high valued products manufacturing, supply of raw materials is crucial and no alternative to establish a strong backward linkage. We have to develop fabrics for high end products to compete

with Vietnam, said the CEO of Merchant Bay Limited.

Low workers' wages were an advantage for Bangladesh but in recent years it has been over as the cost of production increased due to the hiked prices of utility services, explained sector people.

In addition, the minimum workers' wage rose to Tk12,500 for entry level workers, which reduces competitiveness, they said.

On top of that Vietnam's workers productivity is higher and the use of technology is much better than Bangladesh.

### Foreign investments matter

In moving towards the high-end products manufacturing, foreign direct investment plays a key role. But Foreign Direct Investment (FDI) in the textile and garment sector here in Bangladesh is relatively low.

This is because of a lack of well-developed infrastructure and good governance. In addition, doing business is harder than in Vietnam in case of getting license and utility services.

Higher corporate tax and complexity in the tax system are other barriers in attracting overseas investment.

Bangladesh is not even receiving enough Chinese investment, which is shifting to South Asian nations. Chinese investors are choosing Vietnam for investment in the RMG sector.

### Technology adoption crucial

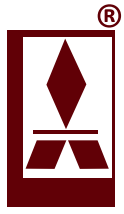
The Vietnam apparel and textile sector is undergoing a digital transformation, optimizing processes and boosting efficiency. They have embraced the latest technology such as WFX PLM, ERP and MES. Manufacturers are using robotics and automation solutions as well as supply chain management.

“If we look at the present situation of the industry in terms of technology use, sustainability practice and safety, it is far better than any time. We have upgraded technology, established an innovation centre and developed a training programme for skill development,” said immediate past BGMEA president Faruque Hassan.

Exporters are now exporting high valued items such as denim, jackets, suits, which contributed to widening the gap with Vietnam. Through research we have identified challenges and opportunities of non-cotton exports, said the business leader.

Contribution of non-cotton products to garment exports increased to 29% from 25% over the last three years and Bangladesh's export earnings from non-cotton items to rise \$42bn by 2032 with proper investment, said Hassan.

So, Bangladesh will continue to grab market share and decrease the gap with number one exporter China as well as widen the gap with Vietnam, said Hassan.



# APNA ORGANICS PVT.LTD

( AN ISO 9001:2015 | ISO 14001:2015 | OHSAS 45001:2018 CERTIFIED COMPANY )

“ LEADING SOLUTION PROVIDER FOR TEXTILE AND GARMENT INDUSTRY ”



May the spirit of Eid bring peace, happiness,  
and prosperity to your home.  
Wishing you a festive and joy-filled Eid!

## Chemical Products Range for



**DENIM**



**TOWELS**



**GARMENTS**



**KNITS**



**YARN DYEING**



**WOVEN**

### **HEAD OFFICE :**

101/102, Balashram , Tejpal Scheme Road No. 3,  
Vile Parle (E), Mumbai - 400 057. INDIA.

### **BANGLADESH OFFICE:**

3rd Floor, House No.37, Gausel Azam Avenue,  
Sector 14, Uttara, Dhaka-1230

Website :- [www.apnaorganics.in](http://www.apnaorganics.in)

E-mail :- [apnaorganics@outlook.com](mailto:apnaorganics@outlook.com)/ [info@apnaorganics.in](mailto:info@apnaorganics.in)

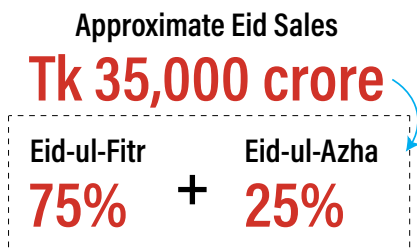


“CONTRIBUTING TOWARDS A BETTER TOMORROW”.

# Eid clothing sales was slow this year

## Textile Today Report

Changing behavior in the zakat donation	Smuggle in of foreign clothing items	Higher cost of living
<ul style="list-style-type: none"> <li>» Hassles in transportation and distribution of Zakat cloths</li> <li>» Give the donation through financial mobile service or direct cash</li> </ul>	<ul style="list-style-type: none"> <li>» Traders brought three pieces from India and Pakistan</li> <li>» Customers like to buy those smuggled in garment items</li> </ul>	<ul style="list-style-type: none"> <li>» People have adopted austerity measures to limit their expenses</li> <li>» Bangladesh has been experiencing higher consumer prices, 9% since May 2022.</li> </ul>



The sales of the fabrics, yarn and garment meant for the Eid-ul-Fitr is still slow because of the changing behaviour in the zakat donation, smuggle in of foreign clothing items and for higher cost of living of the people.

Following such a poor sale of fabrics, yarn and garment, the millers have also witnessing a lower production of fabrics and yarn for the domestic markets.

The wholesalers in the major hubs like Madhabdi, Gawsia, Narsingdi, Baburhaat, Shekherchar and Narayanganj, could sell only 50 percent of their products like sharees, lungis, three pieces for ladies and other dresses after 15 days of the Ramadan.

However, even last year, the wholesaler, millers and traders sold nearly 95 percent of their products after 15 days of Ramadan as the retailers and small millers produced their goods as early as possible to sell to the end consumers.

The local textile millers expected to see a sale of more than Tk 35,000 crore ahead of the two Eid festivals. Of the sales, 75 percent take place ahead of Eid-ul-Fitr and remaining 25 percent sales take place ahead of Eid-ul-Azha.

But, this year, the sales dropped mainly for three reasons. For instance, the Indian and Pakistani three pieces have already entered into the Bangladeshi markets a section of unscrupulous traders bring those goods through illegal channels and supply to the major shopping malls and retailers in the local markets.

As a result, the sales and production of fabrics for three pieces for ladies dropped this year here in Bangladesh ahead of mega sales season of Eid-ul-Fitr.

Rafiqul Islam, proprietor of Tarabo based Ashrafi Textile said he could sell only 50 percent of his goods after 15 days of Ramadan whereas he sold 90 percent in the 15 days of Ramadan last year.

He said despite a lot of check by different government agencies, a section of traders brought three pieces from India and Pakistan for selling ahead of Eid-ul-Fitr and this kind of sales damaged the sales of local producers.

Because, many Bangladeshi customers like to buy those smuggled in garment items instead of locally made garment items even having a good price difference, he also said.

Another factor is the changing behaviour of people in donation. Previously, the affluent people of the country used to buy a lot of zakat clothing items like sharees and lungis for the poor people.

But, in recent years, the rich people are no more interested to buy the zakat cloths in bulk quantity to avert hassles in transportation and distribution of those items to the poor people. Rather, they give the donation through financial mobile service or direct cash to the poor people. As a result, the sale of the zakat cloths dropped.

Rashidul Hasan Rinto, proprietor of Chishtia Sizing Mills in Narsingdi also said the sales did not pick up yet in the local markets. Rich people are not buying the zakat cloths in bulk quantity and the sales of yarn and fabrics ahead of Eid-ul-Fitr dropped this year.

Another important factor is that the higher cost of living this year because of high inflation. The people have adopted austerity measures to limit their expenses as inflation continues to erode their real purchasing power. Thus, many people are not buying any additional garments this year.

Bangladesh has been experiencing higher consumer prices since May 2022. It has particularly stayed above 9 percent over the past year.

Khorshed Alam, chairman of Little Group which produces yarn and fabrics for the local markets said

the sales may pick up to a bit within next few days as there is another major sale time after the Eid-ul-Fitr the Pahela Baishakh.

Although the sales may pick up to a bit, but the prices of the fabrics and yarn are still low, he said adding that the millers have been producing the yarn and fabrics with paying higher gas prices and the cost of production has been going up in the mills, Alam said.

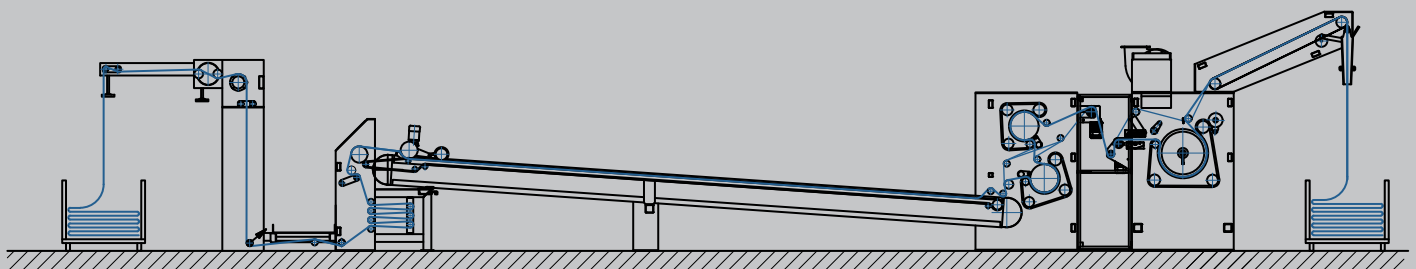
The businessmen have been urging the government for improving the gas supply so they can go for production in full capacity.

The industry insiders have been requesting the government for many years to take measures to stop the smuggling in of foreign fabrics and clothing items so that the domestic industry can survive and make good business.

Despite taking measures, a section of traders brings those items ahead and during the Ramdan and make the domestic clothing items less competitive and volatile for which the local entrepreneurs feel discouraged to invest more in the sector.

The local textile millers have been complaining that they are losing their business also because of volatile dollar exchange rate in the markets and during such a critical time the sales of the items in the domestic markets at the peak moment.

**SANTEX  
RIMAR  
GROUP**



## **SANTACOMPACT RD Plus**

**High productivity with excellent results in residual shrinkage**

Come see us at  
**ITM 2024**  
Hall 11,  
Booth 1105



Figure: The recycled fashion is growing worldwide mainly to reduce the environmental pollution

# Recycled fashion is the future of Bangladesh's RMG business

## Textile Today Analysis

Bangladesh should get ready for recycled fashion as the major international clothing retailers and brands are focusing more on the circular fashion to save the environment and for the mother earth from pollution.

Globally the circular fashion has been getting popularity as the end consumers in the western world are leaving the fast fashion mainly to reduce the consumption.

In fast fashion it needs more fabrics, more cultivation of cotton and more transportation of goods and so many factors all of which are related to more consumption of water, more carbon emission and more pollution of environment.

But the recycled fashion means less carbon emission, less water consumption and less environmental pollution because of reuse, reduce of waste materials and recycle of the waste of clothing.

In the recycled fashion, the old clothes are collected and those are washed and reused by making them renewed.

Moreover, the wastages of garment fabrics are also recycled and made yarn from these items to make new garment items.

### Why the recycled fashion is growing

The recycled fashion is growing worldwide mainly to reduce the environmental pollution and for saving the Mother Earth.

So almost all the international clothing retailers and brands have also started rethinking about the global fashion and business.

The European Union (EU) the largest exporting bloc for Bangladesh, has already adopted a policy for shifting their fashion consumption to recycled fashion from fast fashion.

The EU has announced that by 2030, all of its garment items would have to be sourced from recycled yarn.

Accordingly, the Swedish retail giant H&M has already asked the local garment suppliers to shift production to recycled materials

from fast fashion.

The H&M has a target to have 24 percent of its apparel sourced from recycled or sustainable materials by 2025.

So, the company has already suggested the local suppliers to go for recycled fashion.

The German government has also made a policy as German due diligence for recycled fashion so that the world can be made pollution free by reusing reducing and refusing of materials.

A big number of end consumers have already started leaving the fast fashion and adopting their purchasing behavior to recycled fashion.

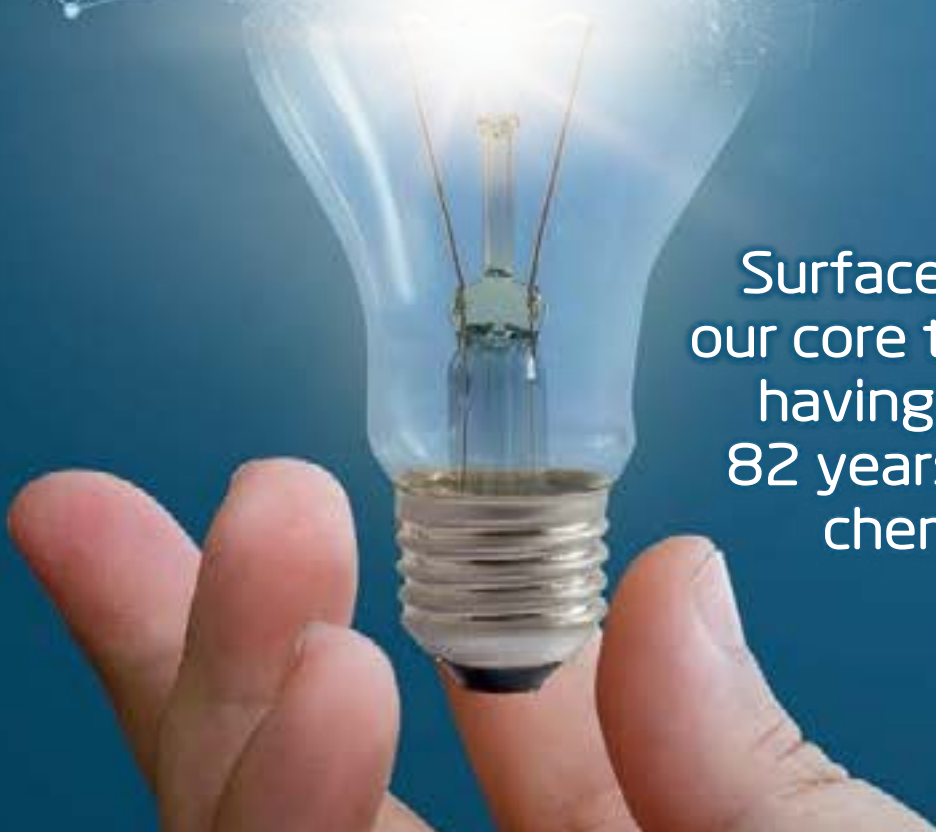
### Status of global recycled fashion

The BGMEA, Global Fashion Agenda (GFA), Reverse Resources, and P4G have partnered in an initiative "Circular Fashion Partnership" that aims to achieve a long-term, scalable transition to a circular fashion system.

# Innovation in Textile Chemicals for a Sustainable society



Activate Your Life



Surface Science is  
our core technology  
having more than  
82 years history in  
chemicals from  
**Japan**

 **NICCA CHEMICAL CO.,LTD.**

**JAPAN HEAD OFFICE:**  
4-23-1, Bunkyo, Fukui City,  
310-8670 Japan









**BANGLADESH LIAISON OFFICE:**  
Suvastu Suraiya Trade Center, 3A (3<sup>rd</sup> Floor)  
57 Kamal Ataturk Avenue, Block-B  
Banani, Dhaka-1213, Bangladesh  
Tel: +880255033391



<https://nctexchem.com/>



## GLOBAL MANUFACTURING FOOTPRINT


USA   
JAPAN   
TAIWAN   
VIETNAM   
THAILAND   
INDONESIA   
SOUTH KOREA   
ZHEJIANG, CHINA   
GUANGZHOU, CHINA 

## Important Takeaways

» Globally the <b>circular fashion</b> has been getting popularity	» Recycled <b>yarn prices (\$1.5 to \$2.5 per KG)</b> are lower than <b>cotton yarn (\$3 to \$3.5 per KG)</b>
» Recycled fashion growing worldwide to reduce environmental pollution	» BGMEA, Global Fashion Agenda (GFA), Reverse Resources, and P4G have partnered for recycled fashion
» End consumers in the western world are leaving the fast fashion	» Annual recycled yarn sales are projected to grow from <b>\$4,553.4 mn in 2023 to \$5,500.7 mn by 2029</b>
» European Union (EU) adopted policies for it	» There are five to six local mills in Bangladesh manufacturing recycled yarn for export
» H&M has a target to have <b>24 percent</b> sourcing of <b>recycled products by 2025</b>	» Four more projects are under construction with an investment of <b>\$40 with 100 tonnes</b> daily capacity
» German government has also made a policy for recycled fashion	» BD can <b>export \$6 bn</b> worth of RMG items processing <b>400,000 tonnes</b> of recycled yarn and fabrics

## Barriers in investment

- » **7.5 percent VAT** on procurement and 15 percent VAT on sale hindering investment
- » **\$10 million investment** requires to produce nearly 15 tonnes of recycled yarn per day
- » **Gas crisis** is another major challenge
- » Millers are not getting adequate amount of clothing waste



Over 30 renowned fashion brands, manufacturers and recyclers are collaborating in the new initiative to capture and reuse textile waste in Bangladesh, according to a statement from the BGMEA.

Global Fashion Agenda announced the participants of the Circular Fashion Partnership, including the global brands Bershka, Bestseller, C&A, Gina Tricot, Grey State, H&M Group, Kmart Australia, Marks & Spencer, OVS, Pull & Bear, Peak Performance and Target Australia, the BGMEA said in the statement.

The partnership facilitates circular commercial collaborations between major fashion brands, textile and garment manufacturers, and recyclers to develop and implement new systems to capture and direct post-production fashion waste back into the production of new fashion products.

It plans to facilitate a decrease in textile waste and increase the use of recycled fibres, distributing value throughout the fashion value cycle

and generating economic benefits in Bangladesh by accelerating the fiber recycling market.

The initiative is focusing on Bangladesh as it arguably possesses the most in-demand and recyclable waste of any garment producing country, but the majority of its waste is currently being exported and/or downcycled.

Globally, annual sales of recycled yarn are projected to grow from \$4,553.4 million in 2023 to \$5,500.7 million by 2029 at a compound annual growth rate of 3.2 percent, according to QY, a California-based global research organization.

China accounts for about 60 percent of the trade followed by the US with a share of about 16 percent, it said.

### **Status of recycled fashion in Bangladesh**

Bangladesh is still lagging behind competitors in the production of recycled yarn and transit to recycled fashion although the

international retailers and brands are putting pressure on them for recycled fashion.

Currently, there are five to six local mills in Bangladesh manufacturing recycled yarn for export because it costs a lot of money to set up a recycled unit and in some cases it may take an investment of \$10 million, to produce nearly 15 tonnes of recycled yarn per day.

Nearly 60 tonnes of recycled yarn are produced by some mills meant for the domestic market, such as mattresses and curtains, according to industry insiders.

The recycled yarn prices are also lower than the cotton yarn. For instance, while cotton yarn cost is \$3 to \$3.5 per kilogramme in the international market, recycled yarn can fetch as much as \$1.5 to \$2.5.

Industry insiders said four more projects are under construction with an investment of \$40 million and are set to come into production within the next one year. They are expected to take the

## Top Story

daily output of exportable recycled yarn to 100 tonnes, they said.

Md. Abdur Rouf, Executive Director of Bhaluka based Simco Spinning and Textile Ltd said his mill can produce 16 tonnes of yarn from waste of fabrics in a day although the capacity is 20 tonnes in a day. He cannot use his full capacity because of export of waste from the county.

### Barriers to recycled fashion in Bangladesh

Several barriers are impeding the growth of recycled fashion in the country. Primarily, the availability of raw materials is the main barriers.

The country does not produce so big amount of clothing and fabrics waste from where the required quantity of recycled garment can be produced.

Different studies shows that Bangladesh can export \$6 billion worth of garment items if it can locally process the 400,000 tonnes of recycled yarn and fabrics the local garment makers produce every year.

But in many cases, a lot of waste is used for landfill and many are engaged in export of the clothing waste. As a result, many millers are not getting adequate amount of clothing waste for producing recycled garment.

Gas crisis is another major challenge for the industry as a whole. Many entrepreneurs are not neither investing afresh nor expanding their capacity because of shortage of gas in the industrial belts.

Higher tariff on import of fabrics waste is a major challenge for the growth of recycled fashion. Also the high tariff like VAT on sales of yarn made from clothing waste is another challenge.

Zahid Hossain Khan, controller - Finance and Operations of RBD Fibers Limited said that a 7.5 percent VAT on procurement and 15 percent VAT on sale of such yarn has been hindering investment in this sector.



Figure 2: Bangladesh should get ready for recycled fashion as the major international clothing retailers and brands are focusing more on the circular fashion to save the environment.

The VAT is too high for making profit in this difficult time of business when the profit is too low as the international retailers and brands are paying low prices, Khan said.

*The future of Bangladesh's garment business is recycled fashion products as the international retailers and brands are moving towards this direction.*

#### Faruque Hassan

ex-President, Bangladesh Garment Manufacturers and Exporters Association

The waste of clothes is expired from the country and the local millers are not getting adequate amount for recycling the materials for making the garment, he also said.

The government should discourage the export of this valuable materials of recycled fashion industry, he added.

#### What leaders say

Faruque Hassan, ex-President of Bangladesh Garment Manufacturers and Exporters Association (BGMEA) said the future of Bangladesh's garment business is recycled fashion products as the international retailers and brands are moving towards this direction.

The BGMEA has been working on this issue so the local suppliers can follow the instruction of the buyers to catch the global business of recycled fashion.

Morten Lehmann, CSO, Global Fashion Agenda in a BGMEA statement says, "To establish a circular fashion system we need to reimagine the production process so that it appreciates the value of textile waste. It is encouraging to see so many prestigious companies sign up to the Circular Fashion Partnership and, with their help, I am confident that we can demonstrate a strong business model for circularity that can be mirrored by others in the future."

Miran Ali, former Vice President of the BGMEA, in the BGMEA statement says; "Circular economy is not merely just a concept, it is the future! Fashion industry is historically following the linear model of business "take-make-dispose" but now we stand at such a critical juncture where we cannot afford to continue this linear model.

#### Concluding remarks

Bangladesh has a target to export garment items worth \$100 billion by 2030 and the recycled fashion products are major items for fulfilling the target. The government should facilitate this target with giving some tariff benefit on import of raw materials and reducing the VAT to some extent.

The buyers are also moving their purchasing trend to circular fashion from the traditional fashion business. The businessmen have taken such move to reduce carbon emission and for making the business pollution free. We should respond to these initiatives.



Figure 1: John Zhu, President (AMEA), CEO, Transfar International Group.

# Transfar Chemicals leading the way in innovative & sustainable solutions

**Amzad Hossain Monir & Sayed Abdullah**

Transfar Chemicals is one of the globally renowned ethical and sustainable textile chemical suppliers. Started in 1986, Transfar has a diversified product portfolio with the commitment to becoming the world's leading technology company in functional chemicals and new materials.

At the helm of this global organization, John Zhu, President (AMEA), CEO of Transfar International Group (TIG) – a subsidiary of Transfar Group – has versatile knowledge and a huge experience in this industry.

John Zhu has been serving the company for the past 9 years. In his career, he has gained experience across various MNCs in fabrics and chemicals. John Zhu's career journey, spanning industries, reflects his passion for innovation and global impact.

In a recent interview with Textile Today, John Zhu dives down on Transfar's strategies and Bangladesh market plan.

**Textile Today: Could you please share about Transfar Group?**

**John Zhu:** Transfar ranks among the top 50 conglomerates in China with €15 billion in annual revenue. Though originally from Hangzhou, Transfar's global strategy positions it as an international leader in textile chemicals. Transfar's 7 manufacturing plants across 4 continents (600,000 tons annual capacity) serve textile customers worldwide.

**Textile Today: Could you provide insights into the company's recent achievements and milestones?**

**John Zhu:** Transfar Chemicals' global ambitions began in 2015. To solidify its position, we acquired

Tanatex Chemicals, a European key player, and established Transfar International Group in Hong Kong. This strategic expansion, leveraging our Chinese experience and Tanatex's expertise, positions Transfar as a major player on the global stage.

We are committed to sharing their knowledge and developing better solutions for all customers.

**Textile Today: How do you position Transfar International Group in the global market? Please share also the successful growth journey of your company.**

**John Zhu:** We have decades of experience in the China market. This experience is a great asset for not only ourselves but for the global textile community as well.

In addition, combining TIG and Tanatex and all our global entities



textile

**We've changed our look, but not our commitment!**

Transfar Chemicals have revamped our brand to reflect positivity and a fresh outlook on our journey.

With our new brand, we are "*Providing a world of new solutions*"

*For a more Lively Life*



**Transfar  
Chemicals**



Figure 2: Amzad Hossain Monir, Head of Business Development, Textile Today with John Zhu.

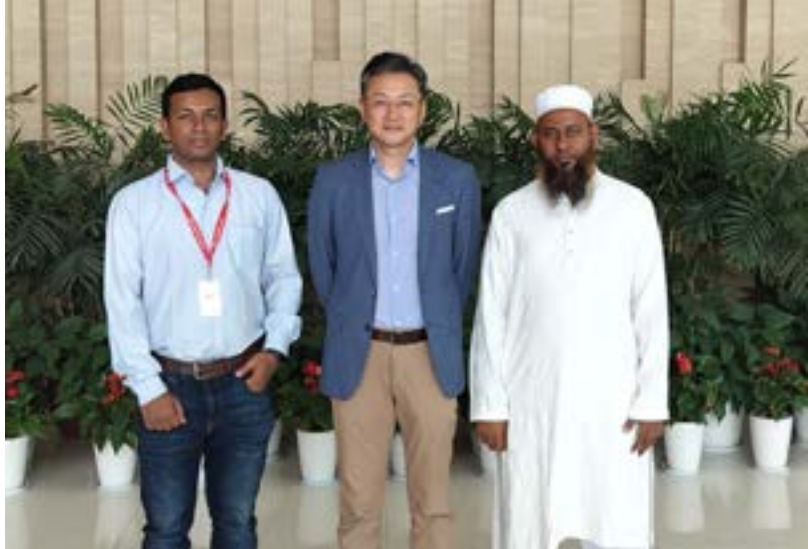


Figure 3: Amit Sarker (Left), Technical Manager, Bangladesh, Transfar Chemicals Group and Mohammad Amir Hamzah (Right), Technical Manager, Bangladesh Transfar Chemicals Group with John Zhu.

has the mission to expand our services, logistics, and supply chain to the global customer base.

**Textile Today: Innovation is key in today's rapidly evolving business landscape. Can you share some of the innovative strategies or initiatives Transfar International Group has implemented to stay ahead in the market?**

**John Zhu:** At the core of our global expansion strategy lies technical and scientific innovation. To perpetually implement this strategy – every year, Transfar Chemicals invests 30% more than the previous year in R&D. As a result, our R&D growth is more than our annual turnover growth, which shows our commitment to investment in innovation.

In addition, we have more than 200 R&D technicians in our company. So, with financial investment and a capable innovative mindset people are driving our innovation.

**Textile Today: Kindly elaborate on research and development (R&D) lab facilities across the globe.**

**John Zhu:** Our research centers are scattered across the globally – here in China, in Europe, in Thailand and other places. We have state-of-the-art research labs, application labs and analytical labs. All these combined – we form a good infrastructure for R&D.

**Textile Today: How does Transfar prioritize sustainability within its operations? In addition to**

**Compliance, Sustainability and CSR.**

**John Zhu:** Transfar prioritizes sustainability, focusing on energy efficiency, water conservation, and reducing emissions. Our commitment is reflected in partnerships with ZDHC, bluesign®, Inditex, and ISO compliance.

In addition, Transfar group actively supports communities with a €400 million CSR fund.

**Textile Today: Looking ahead, what are Transfar International Group's strategic priorities and growth plans in the coming years?**

**John Zhu:** Transfar's growth strategy rests on three pillars: strengthening customer and partner sales channels, building a more agile supply chain, and expanding eco-friendly product portfolios.

**Textile Today: How does Transfar ensure customer satisfaction and operational success?**

**John Zhu:** At Transfar Chemicals, quality is paramount. Our rigorous quality policy governs every aspect of our operations, ensuring our manufacturing sites prioritize the production of safe and reliable products.

We go beyond just providing high-quality textile chemicals. Our commitment extends to top-notch supply chain service, ensuring security and technical support. We understand our customers need to use our products efficiently, which is why we offer expert guidance to

maximize their effectiveness.

**Textile Today: How does Transfar help Bangladeshi textiles compete globally?**

**John Zhu:** Bangladesh is a vital market for Transfar Group, where we have been a committed partner for 12 years. Recognizing its potential, we are continuously expanding our presence to empower Bangladeshi customers. Our focus: reducing their costs and offering value-added solutions to sharpen their global competitiveness.

**Textile Today: How Transfar can contribute more to Bangladesh by doing more value-added items to increase the market share in the global export markets?**

**John Zhu:** Besides the above-mentioned points, we always share our global experiences i.e. in Europe, China, etc. with our Bangladeshi customers – to increase their value proposition in the global market.

Thus, we are enabling our clients to have a more sustainable future.

**Textile Today: Does Transfar Chemicals have any plans to set up a local manufacturing plant?**

**John Zhu:** We prioritize local talent in Bangladesh, as they possess deep market knowledge. While our manufacturing leverages resources from China, Thailand, and Europe, we're open to exploring a future Bangladeshi plant.

# The historical and natural leather tanning technique of Morocco

**Shafiun Nahar Elma**

The Chouara leather tannery in Fez, Morocco's bustling old Medina (marketplace), is a living testament to centuries. Since 1981, the city has been declared a World Heritage Site by UNESCO.

Alongside two other historic tanneries, Chouara continues to showcase the meticulous, sustainable practices that have defined leather-making for generations. Fez is famous for its quality leather products, mainly from the leather bazaar (souk).

The best quality leather comes from goats and sheep raised in the mountainous areas. Goat leather dominated the traditional leather market in 2023 due to its superior quality, even though it is one of the most volatile leathers.



This leather is made of interknit fibers, giving it a tight and clean texture. It is naturally soft, flexible, and water-resistant due to the presence of lanolin.

Traditional methods treat hides in stone vessels, utilizing natural substances, including water, limestone, and pigeon droppings. Artisans use natural dyes from plants such as indigo, poppy (paprika), saffron, pomegranate, turmeric, and mimosa flowers. It helps to minimize the carbon footprint and pollution, aligning tradition with sustainability.

The limestone removes hair from the skins, while the acid in the pigeon droppings softens the hides. After three days, the skins are removed and washed. This ancient technique produces some of the world's softest and smoothest leather, prized for its luxurious feel and durability.

The whole process often lasts from weeks to months and requires patience, expertise, and attention. Skilled artisans meticulously carve intricate designs into the leather, preserving Moroccan heritage through motifs, aesthetic geometrical patterns, and Arabic calligraphy that adorn various products, from slippers and handbags to jackets and book covers.

Among the various tanning techniques, the most popular is vegetable tanning. This process involves joining the collagen fibers in animal hides using organic substances called tannins, commonly found in plants. This method has been the primary way of tanning in Morocco for over 800 years. The tanning process takes place in specialized tanneries,

where the bark of mimosa and leaves are used.

The traditional leather Industry of Morocco is valued at \$25.2 billion, with exports of 41 commodity groups totaling \$42 million in 2022. Sales have increased by 22% compared to 2021. This business model has a strong foundation in tradition but has managed to adapt and thrive over time. It currently employs over 300 families. This is surprising, as tanning is not a pleasant or well-compensated profession in the country. A tanner earns approximately 2500 dirhams (\$250) monthly, with very little difference between skilled and non-skilled.

Overall, Morocco's leather Industry faces some challenges due to the use of hazardous chemicals like chromium in tanning. Stricter regulations, improved enforcement, and investment in cleaner technologies are needed to mitigate these risks. The old tannery industry is adapting with eco-friendly techniques, natural dyes, improved infrastructure, and e-commerce.

In December 2024, the 7th International Exhibition for Leather, Footwear & Accessories will showcase industry advancements, highlighting Moroccan traditional innovation. With its distinctive grain, organic colors with variety, and exceptional durability, Moroccan leather continues to captivate admirers worldwide, embodying the historical elegance of tradition and the enduring theme of sustainability.

# Japan apparel market analysis: apparel exporter needs to know exploring the market

**Akhi Akter**

Japan has one of the world's largest apparel consumption markets, with retail sales totaling \$100 billion in 2021. In 2023, it exceeds \$105 billion. To meet this huge amount of apparel consumption, Japan does not only produce it locally, also sources from different countries.

Japan -- the top 3rd apparel importing nation in the world just after the European Union (\$215 bn) and United States (\$115 bn) - imported \$27 billion worth of apparel products from the world in 2022, according to the data published by Statista.

Japan's big apparel market creates a considerable sourcing and market access opportunity for apparel manufacturing countries in the globe, including Bangladesh.

## Why Japan is the vibrant non-traditional apparel export destination for Bangladesh

doubling it by FY23.

Japan -- the number one non-traditional apparel export destination for Bangladesh -- is also trying to take advantage of the increasingly popular China-plus-one strategy -- in which Japanese companies avoid investing only in China and expand their businesses to alternative destinations.

As Chinese product became more costly, among other factors, China's market share fell in Japan. Japanese fashion brands and retailers actively seek China's alternatives and apparel imports from Vietnam, Bangladesh, Turkey and Indonesia have grown fast.

According to International Trade Centre (ITC) data, since 2017, Bangladesh's share in the Japanese clothing market has been growing and reached nearly 5% in 2021.

Japan --the fourth largest economy of the world

Bangladesh's garment export in non-traditional market and in Japan			
Year	Total export Value (USD million) in Non-Trad. Market	Export value (USD million) in Japan	Japan's share in total Non-Trad. Export (in %)
2021	5680.3	1029.11	18.11
2022	7359.22	1323.87	17.98
2023	8871.16	1675.16	18.88

As Bangladesh is observing order drop in its top readymade garments (RMG) export destination like EU and USA for inflation, overstocked retail stores, global unstable political situation etc., the country is vigorously looking for new markets. As a result we see garment shipment to non-traditional markets are increasing significantly. It grew 11.69 percent year-on-year to \$5.46 billion in July-January of the current fiscal year (2023-24).

According to Bangladeshi apparel manufacturers, they have identified several potential export markets, notable among them are Japan, Korea, India, the Middle East and the African continent.

Of them, Japan is a the most potential market from where Bangladesh bagged apparel export earnings of worth \$1.09 billion in FY22 and set a target of

-- has strong bilateral trade with Bangladesh. The country sets a lower tariff barrier for apparel than other leading import countries. Japanese retailers expressed their desire to continue duty-free market access between the nations after the graduation from least developed country (LDC) status in 2026. Japan is also working to establish standards in tariffs and trade rules as Bangladesh explores a free trade agreement with China.

Besides, many buyers and brands are expressing interest in investing in Bangladesh's man-made fibre industry, according to many industry people.

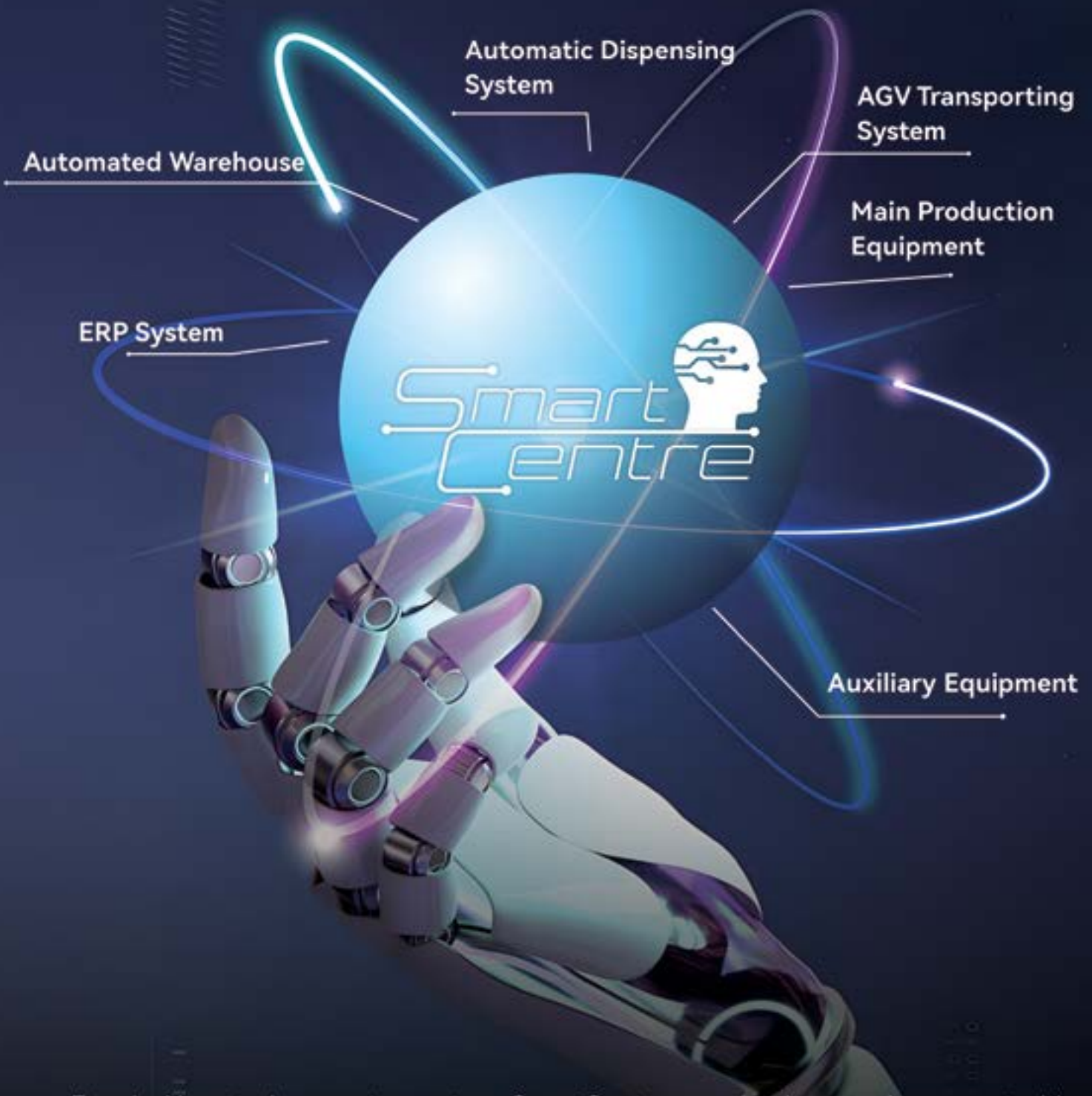
## Which apparel items Japan sources from Bangladesh

Several Japanese apparel retailers including Fast Retailing (parent company of Uniqlo and five other



SINOMACH

FONG'S®



Fong's AI central computer system, SmartCentre can simultaneously connect with all Fong's, Goller, Monforts products.

Use all big data, cloud computing, edge gateway, 5G communication, IOT and other technologies to promote the digital intelligence upgrade of dyehouse, and establish a digital cloud factory infrastructure and intelligent dyeing and finishing control system.

Agent In Bangladesh:



PACIFIC ASSOCIATES LTD.

Tel: +880-2-9-9335411-4 | Fax: +880-2-8312952 | info@pacificalbd.com

[www.fongs.com](http://www.fongs.com)

**Table 1: Top 10 knitted and woven garments items list, exported by Bangladesh to Japan during July-June 2021-22**

<b>Period: July-June 2021-2022</b>	
<b>HS Code and Product label</b>	
6109:	T-shirts, singlets and other vests, knitted or crocheted
6203:	Men's or boys' suits, ensembles, jackets, blazers, trousers, etc
610910:	T-shirts, singlets and other vests, of cotton, knitted or crocheted
620342:	Men's or boys' trousers, breeches, etc, of cotton
6110:	Jerseys, pullovers, cardigans and similar articles, knitted or crocheted
6204:	Women's or girls' suits, ensembles, jackets, dresses, skirts, etc
611020:	Jerseys, pullovers, etc, of cotton, knitted or crocheted
620462:	Women's or girls' trousers, breeches, etc, of cotton
611030:	Jerseys, pullovers, etc, of man-made fibres, knitted or crocheted
610990:	T-shirts, singlets, etc, of other textiles, nes, knitted or crocheted

**Table 2: Top 10 knitted and woven garments items list, exported by Bangladesh to Japan during July-June 2022-23**

<b>Top 10 apparel items exporting from Bangladesh to Japan July-June 2022-23</b>	
<b>HS Code and Product label</b>	
610910:	T-shirts, singlets and other vests, of cotton, knitted or crocheted
620342:	Men's or boys' trousers, breeches, etc, of cotton
611020:	Jerseys, pullovers, etc, of cotton, knitted or crocheted
620462:	Women's or girls' trousers, breeches, etc, of cotton
611030:	Jerseys, pullovers, etc, of man-made fibres, knitted or crocheted
610462:	Women's or girls' trousers, etc, of cotton, knitted or crocheted
610990:	T-shirts, singlets, etc, of other textiles, nes, knitted or crocheted
620343:	Men's or boys' trousers, breeches of synthetic fibres
620530:	Men's or boys' shirts of man-made fibres
610610:	Women's or girls' blouses, etc, of cotton, knitted or crocheted

**Table 3: Top 10 knitted and woven garments items list, exported by Bangladesh to Japan during July-February in the current FY.**

Period: July - February 2023-2024	
HS Code and Product label	
610342:	Men's or boys' trousers, etc, of cotton, knitted or crocheted
610343:	Men's or boys' trousers, etc, of synthetic fibres, knitted or crocheted
610462:	Women's or girls' trousers, etc, of cotton, knitted or crocheted
610463:	Women's or girls' trousers, etc, of synthetic, knitted or crocheted
610610:	Women's or girls' blouses, etc, of cotton, knitted or crocheted
610711:	Men's or boys' underpants and briefs of cotton, knitted or crocheted
610821:	Women's or girls' briefs and panties of cotton, knitted or crocheted
610910:	T-shirts, singlets and other vests, of cotton, knitted or crocheted
610990:	T-shirts, singlets, etc, of other textiles, nes, knitted or crocheted
611020:	Jerseys, pullovers, etc, of cotton, knitted or crocheted
611030:	Jerseys, pullovers, etc, of man-made fibres, knitted or crocheted
611120:	Babies' garments, etc, of cotton, knitted or crocheted
620342:	Men's or boys' trousers, breeches, etc, of cotton
620343:	Men's or boys' trousers, breeches of synthetic fibres
620439:	Women's or girls' jackets and blazers of other textiles, nes

**Table 4: Top 10 knitted garments items list, imported by Japan from around the world during calendar year 2023.**

Top sourcing knitted items by Japan from the world	
HS Code	Product label
611030	Jerseys, pullovers, cardigans, waistcoats and similar articles, of man-made fibres, knitted ...
611020	Jerseys, pullovers, cardigans, waistcoats and similar articles, of cotton, knitted or crocheted ...
610910	T-shirts, singlets and other vests of cotton, knitted or crocheted
610990	T-shirts, singlets and other vests of textile materials, knitted or crocheted (excl. cotton)
610463	Women's or girls' trousers, bib and brace overalls, breeches and shorts of synthetic fibres, ...
611596	Full-length or knee-length stockings, socks and other hosiery, incl. footwear without applied ...
610343	Men's or boys' trousers, bib and brace overalls, breeches and shorts of synthetic fibres, knitted ...
611011	Jerseys, pullovers, cardigans, waistcoats and similar articles, of wool, knitted or crocheted ...
610520	Men's or boys' shirts of man-made fibres, knitted or crocheted (excl. nightshirts, T-shirts, ...
610620	Women's or girls' blouses, shirts and shirt-blouses of man-made fibres, knitted or crocheted ...

**Table 5: Top 10 non knitted garments items list, imported by Japan from around the world during calendar year 2023.**

Top sourcing non-knitted items by Japan from the world	
Code	Product Label
620240	Women's or girls' overcoats, car-coats, capes, cloaks, anoraks, incl. ski jackets, wind-cheaters, ...
620343	Men's or boys' trousers, bib and brace overalls, breeches and shorts of synthetic fibres (excl. ...
620140	Men's or boys' overcoats, car-coats, capes, cloaks, anoraks, incl. ski jackets, wind-cheaters, ...
620463	Women's or girls' trousers, bib and brace overalls, breeches and shorts of synthetic fibres ...
620342	Men's or boys' trousers, bib and brace overalls, breeches and shorts, of cotton (excl. knitted ...
620462	Women's or girls' trousers, bib and brace overalls, breeches and shorts of cotton (excl. knitted ...
620640	Women's or girls' blouses, shirts and shirt-blouses of man-made fibres (excl. knitted or crocheted ...
621210	Brassieres of all types of textile materials, whether or not elasticated, incl. knitted or ...
621143	Women's or girls' tracksuits and other garments, n.e.s. of man-made fibres (excl. knitted or ...
621133	Men's or boys' tracksuits and other garments, n.e.s. of man-made fibres (excl. knitted or ...

retailers), Adustrria, BAPE, GU, Muji procure millions of products from around 300-350 Bangladeshi factories including Pacific Jeans, Euro Bangla Textile, Urmi Group, Envoy Textiles, Cute Dress Ltd. Kimberley Design, Al Muslim Group, etc.

If more garments exporters want to explore Japan apparel market, they need to analyze the market as they can decide the proper marketing strategy that will reach and resonate with the most brands and buyers of the country.

*There are top 10 apparel exporting items from Bangladesh to Japan in Table 1, Table 2 and Table 3 during the Fiscal Year 2021-22, 2022-23 and last 8 months of the running Fiscal Year. (Data Source: EPB)*

**Top apparel items Japan sources from the World**

Knowing the top apparel exporting items from the world is as important as knowing the top Bangladeshi apparel export items in Japan. It is essential for Bangladeshi apparel exporters who are keen to explore Japanese market to have knowledge about the product ranges the country's buyers are sourcing from the world.

*In Table 4 (knitted) and Table 5 (non-knitted) you will find top apparels items (6 digits HS Code) those are sourced by Japan from all around the world. (Source: ITC Trade Map)*

**Some top apparel brands of Japan**

Knowing about brands who can be your potential client is paramount to explore any market. There are top 20 apparel brands name whom an apparel exporter can approach to make them potential clients.

Finally, huge investment in research and development (R&D), maintaining shipment time, assuring product quality, proper inspection and capturing the fast-changing fashion trends of Japan are a must to explore this market.

Some top apparel brands of Japan	
Fast Retailing Co Ltd. (Parent company of Uniqlo and five other retailers))	Blue Blue Japan
Adustrria	Hysteric Glamour
GU	Evisu
Muji	Neighborhood
Visvim	Yohji Yamamoto
BAPE	WTAPs
Issey Miyake	Auralee
Mastermind Japan	Needles

# ITM

# 2024

İSTANBUL

4-8 JUNE 2024

INTERNATIONAL TEXTILE MACHINERY EXHIBITION

[www.itmexhibition.com](http://www.itmexhibition.com)

# Discover the Future



**ONLINE  
INVITATION**

Scan the QR Code  
for more information



**OWNERS**



[www.tuyap.com.tr](http://www.tuyap.com.tr)

**TÜYAP FAIRS INC.**  
P : + 90 212 867 11 00  
F : + 90 212 886 66 98  
[www.tuyap.com.tr](http://www.tuyap.com.tr)



[www.teknikfuarcilik.com](http://www.teknikfuarcilik.com)

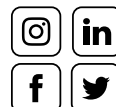
**TEKNİK FAIRS INC.**  
P : + 90 212 876 75 06  
F : + 90 212 876 06 81  
[www.teknikfuarcilik.com](http://www.teknikfuarcilik.com)

with the cooperation



Textile Machinery and Accessories Industrialists Association

Follow us!



[itmexhibition](https://www.instagram.com/itmexhibition)

# Some way-outs of lab to bulk RFT problems

Md. Shakib Hossain Khan, Mohammad Ashif, Marzia Mehrin, MBSTU; Faysal Ahmmad, TTIH

RFT (Right First Time) dyeing is a fabric dyeing process aimed at achieving the desired shade without the need for additional steps or corrections. It ensures consistent outcomes in a single dyeing cycle, eliminating the need for subsequent dye baths. There exists a discrepancy between lab results and bulk dyeing outcomes in many dyehouses in Bangladesh, as seen by the lab-to-bulk Right First-Time percentage (RFT%), which varies from poor to average. This disconnect often leads to lighter shades becoming even lighter and darker shades becoming darker in bulk dyeing processes. To address this issue, adjustments are typically made which leads to additional processes like topping, stripping, and redyeing sometimes. Improving RFT% includes reducing dyeing time, additional chemical, water, and utility consumption costs, and increasing productivity. This article focuses on Lab to Bulk RFT, one of two classifications of RFT dyeing, and its criteria for improvement.

The Ishikawa Fishbone Diagram analysis (Fig: 1) highlights several critical areas for improvement in knit composite factories. These measures aim to enhance dyeing quality and consistency in knit composite factories by addressing various factors affecting the process.

By analyzing these cause-effects using Pareto Optimality we have chosen to first work on the most crucial areas-

**a. Liquor ratio VS fabric weight:**

Two major process gaps are in lab dip the fabric is fully immersed into the liquor whereas in bulk dyeing happens in the nozzle, another one is that in the lab dip dry weight of a treated fabric is taken but in bulk dry weight of untreated fabric is taken. Due to these process gaps light shades tend to be lighter in bulk and dark shades tend to be darker. To overcome these problems adjustments to the lab dyeing should be done.

When it comes to dyeing fabrics in a lab environment, using 10 grams of fabric instead of 5 grams can help to reduce variation in the bulk dyeing process. While lab processes often use different liquor ratios to achieve different shades, bulk dyeing typically uses a fixed 1:6 ratio. Any differences in

**Improvement Options Fishbone Diagram**

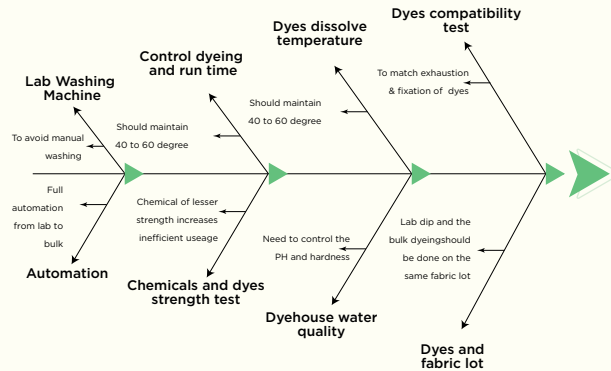


Figure 1: Identifying key Lab to bulk improvement options using Ishikawa fishbone analysis

shade intensity between lab and bulk dyeing can be attributed to various process variations, such as differences in immersion and weight measurements. To address these issues, adjustments can be made to the lab dyeing process, such as

Types of Shade	Previous M:L for 5g fabric	Proposed M:L for 10g fabric	Actual fabric weight taken
Light	1:12	1:10	11g
Medium	1:10	1:8	10g
Dark	1:6	1:6	8.5-9g

reducing liquor ratios or adjusting fabric weights. For lighter shades, the calculations based on 10 grams of fabric weight are adjusted to 11 grams to counteract the reduced dye uptake due to the increased liquor ratio, While for darker shades, the fabric weight is decreased to 8.5-9 grams.

**b. Dyes dissolve temperature:** It should be as per the manufacturer’s recommendation, generally 40-60°C.

**c. Lab washing maching:** Lab washing machine should be used for soaping otherwise a constant after-soaping shade will not arrive, one may hand soap 20 samples of the same shade resulting in different after-soaping shade.

By addressing these crucial issues, dyehouse operations will become more productive and achieve higher RFT percentages while cutting expenses, lead times, and resource consumption. Further efforts should be directed towards continuous improvement in all aspects of the dyeing process to achieve optimal RFT performance.

# Polyester fiber manufacturing opportunities and challenges

**Nashita Ahmed (BUTEX) & Nuhan Ahmed, Shahriar Ahmed (AUST), Faysal Ahmmad, TTIH**

As Bangladesh strives to maintain its foothold in the global textile industry, it becomes crucial to shift focus towards value-added products, particularly man-made fibers. With the fashion landscape evolving rapidly, man-made fibers emerge as the future of the industry. Given Bangladesh's heavy reliance on cotton, now is the opportune moment to transition towards man-made fibers, particularly polyester. Amidst the backdrop of escalating labor, gas, and electricity costs, which have surged by 156%, reaching Tk 30.75, the need for strategic shifts towards value-added products becomes even more pronounced. To remain competitive in the global textile market and achieve its ambitious target of \$100 billion by 2030, Bangladesh must embrace polyester as a potential game-changer

## Global market analysis for polyester

Polyester dominates global textiles, constituting 54% of total fiber production, reaching 60.5 million tonnes in 2021. The polyester fiber market was worth over USD 90 billion in 2020 and is expected to grow at a CAGR of 7.8% from 2021 to 2027. Growth is fueled by textile industry demand, fashion sector expansion, and consumer preference for blended polyester. In 2023, polyester market share by application was: Furnishing (30.55%), Textile (19.44%), Clothing (13.89%), Other (36.11%)

## Bangladesh's current situation

Bangladesh's textile and apparel industry primarily relies on cotton, with only 26% of products being man-made fiber (MMF)-based, in contrast to the global trend where 78% of items are MMF-based. Despite this, Bangladesh has emerged as a significant player in ready-made clothing, with over 4600 factories and 430 spinning mills, albeit with only a fraction producing synthetic fibers like polyester.

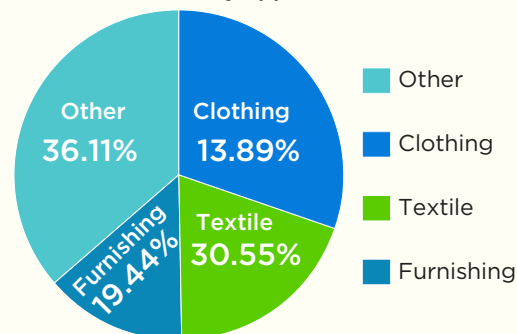
In recent years, Bangladesh has imported significant amounts of Polyester Staple Fiber (PSF), mainly from China, India, and South Korea. The Bangladesh Garment Manufacturers and Exporters Association (BGMEA) aims to increase MMF-based apparel exports from 26% to 40% by 2030, reflecting the growing global demand for polyester-based clothing.

With polyester derivatives constituting 74% of global apparel sales, there's a lucrative opportunity for Bangladesh to tap into the \$750 billion worldwide market by focusing more on polyester-based garments.

## Challenges to manufacture 100% polyester

Bangladesh textile industries already processing

In 2023 polyester market share% by application



polyester derivatives (CVC/PC). Bangladesh dye houses has sufficient technologies to handle polyester. Dye houses employ MCS, Athena 3A, multi flow machines, Fong's, etc. to dye polyester & its derivatives.

But Bangladesh are not capable to manufacture 100% polyester because of some challenger. The challenges are:

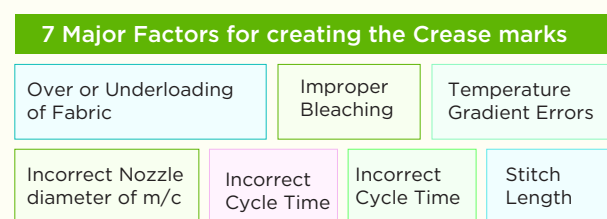
- 1. Raw material availability:** Polyester yarn production heavily relies on the availability and cost of raw materials. Fluctuating prices and supply chain disruptions pose challenges for manufacturers.
- 2. Cost competitiveness:** With increasing global competition, polyester yarn manufacturers in Bangladesh face the challenge of maintaining fabric manufacturers cost competitiveness. Factors like energy costs, labor wages can impact the overall cost structure.
- 3. Expertise:** Bangladesh has less experts to manufacture polyester.
- 4. Skilled man power:** As Bangladesh polyester plants are limited there are limited skilled worker.
- 5. Technology:** for knitting & spinning 100% polyester, there are limited technology available in Bangladesh.
- 6. Investment:** It is very costly to go for 100% polyester plant. As Bangladesh doesn't have sufficient technology and expertise.

It's critical to concentrate on polyester in RMG in order to provide value-added products. But by over coming those challenges by strategic planning, technological advancements, and sustainable manufacturing practices Bangladesh textile sector can switch toward polyester and can go for value added products.

# Some causes and countermeasures of crease-mark in knit fabric dyeing

Ahosanuzzaman Roni, Mahadi Nasrullah, N.M. Azizur Rahman, BUTEX; Faysal Ahmmad, TTIH

In textile manufacturing, crease marks pose significant challenges, detracting from fabric quality and impacting businesses. Causes range from operational errors to material properties. Such flaws lead to increased rejection rates, higher production costs, and diminished brand reputation. Understanding these issues is crucial for implementing effective strategies to mitigate crease formation and maintain competitiveness in the market.



Crease marks cause factors such as fabric load, bleaching, nozzle diameter, and yarn tightness contribute to creasing. Optimizing cycle time and implementing smart storage solutions are essential for minimizing crease impact.

### Causes of crease marks on knit fabric

Issues contributing to crease marks, the fabric overload or underload in the dyeing machine cause crease marks due to improper tension. Over-bleaching weakens fibers, increasing susceptibility to creasing. High fabric loading speeds stress fabric, leading to abrasion and weakened fibers prone to creasing. Temperature gradient errors cause thermal shock to fabric fibers, damaging their internal structure. Optimizing cycle time is crucial for uniform dyeing and minimizing crease formation. Excessively tight knitting creates stiffness in the fabric, affecting its drape and creating new crease lines. Stitch length in knitting influences crease formation and should be adjusted according to fabric type and GSM following standard operating procedures.

Crease marks can be particularly noticeable and challenging to eliminate as it's caused by lots of factors as mentioned above. The countermeasures against crease marks is given below.

### Potential countermeasures

The countermeasure for 180 GSM fabric with 24s comb compact yarn is given below:

**1. Optimum yarn tension:** Maintaining appropriate tension levels through monitoring and adjusting

machine settings during knitting processes is critical to minimizing crease formation.

**2. Roll-wise fabric storage:** After inspection, fabric transitions to the storage section, often in a rough and tumble manner. To enhance, organize, and minimize wrinkles, implement a fabric roll device. This ensures a more orderly storage process.

**3. Nozzle diameter increase:** Smaller nozzle diameters may result in high load and excessive pressure during dyeing, leading to crease marks. As per Industry experts nozzle diameter less than 140mm causes permanent crease marks.

**4. Anti-creasing agents:** Exploring proper anti-crease agents can enhance the fabric's resistance to crease formation.

**5. Stitch Length:** It is recommended to maintain a range between 2.75 mm to 2.85 mm, with higher values required for darker shades to optimize dye penetration.

**6. Temperature gradient:** To prevent thermal shock, it is crucial to maintain a temperature gradient within the range of 2 to 4, ensuring stable fabric processing conditions.

**7. Cycle Time:** The standard cycle time has to be within the range of 2.7 min to 3 min. However, it is noteworthy that cycle time tends to increase proportionally with GSM increments.

**8. Softener:** Instead of silicone softener, consider the integration of a fatty acid-based alternative to preserve fabric flexibility and mitigate creasing tendencies.

### Business case study

The business impact of crease marks in textile products encompasses buyer dissatisfaction and returns, as well as increased production costs and compromised profits. Creased garments are perceived as low-quality, tarnishing brand image and sales potential. Despite efforts to eliminate crease marks, they often persist, leading to either rejection by buyers or acceptance with commercial approval for minor creases. Both scenarios can detrimentally affect business operations. Additionally, crease marks indicate poor fabric quality, resulting in rejected or reprocessed products, escalating production costs and reducing profit margins. Material consumption rises due to reprocessing, while lead times and machine engagement are affected, further compromising profitability for textile manufacturers.



# YOUR **TRUSTED** PARTNER NOW ONE STEP AHEAD WITH **CALIBRATION**

SGS is the first privately operated laboratory among the TIC industry in Bangladesh started extended operation for calibration service. We are now accredited for ISO/ IEC 17025 from Bangladesh Accreditation Board (BAB).

With a global network and state-of-the-art facilities, we have the resources and expertise to ensure that your equipment's comply the highest degree of measurement accuracy. We offer customized calibration services specific to the type of applications. Our experts have many years of experience across a range of industries which gives assurance that your equipment will be professionally served at utmost standard. We are capable to render service for a range of measurements in the fields of Length and Dimension, Volume, Temperature, Mass Weight, Electronic Balance, Time, and others.

**SGS** is the world's leading **Testing, Inspection** and **Certification** company. Globally recognized as the benchmark for Sustainability, Quality, and Integrity. Established in **1878** Our **99,600** employees operate a network of **2,600** offices.



[lab.bangladesh@sgs.com](mailto:lab.bangladesh@sgs.com)

<https://www.sgs.com>



**When you need to be sure**



**Runhe** Ningbo Runhe High-tech Material Co.,Ltd

*Excellent And Unique Textile Finishing Expert*



[www.chinarunhe.com](http://www.chinarunhe.com)

**Eco Friendly List:**



- Silicone Softener / Oil**
- Flake/ Pearl Softener**
- Printing Agent**
- Pretreatment Agent**
- Dyeing Agent**
- Wax Emulsion**



**China office**

Add (China) : No.168 Jinhai Road, Binhai Zone, South of Ninghai, Ningbo City, Zhejiang Province

Phone/ Whatsapp: +8618674063656 (Mr. Alex)  
Email: Caihanjie@chinarunhe.com  
amin@chinarunhe.com

**Bangladesh office**

RUNHE CHEMICAL  
Add (Alex/Amin) : House 06 (2nd Floor,Front side), Road 12, Sector 11, Uttara, Dhaka-1230, Bangladesh

**HI-TECH COLOR CHEM LTD**

Add (Agent) : 2-F/13, Ext. Pallabi, Mirpur, Dhaka-1216, Bangladesh



**Dysin**  
Presents

# Factory Tales

Branding Bangladesh Textile & Apparel

April 2024

A Textile Today Initiative | Published with Volume 17, Issue 04 | Pages 43 to 60



**bluesign® equipping textile value chain for EU Digital Product Passport regulations**

Daniel Rüfenacht  
CEO, bluesign®

**Unbridled interest rates rise disturbs the industrial and export sectors**

**APS Knit Composite sets benchmark with LEED Gold Certification**

**Tropical Knitex reduces 90-95% water usage per screen wash**

# DEWELLI

## GARMENTS WASHING & DYEING MACHINE

Çağrı Makina Ltd. Şti., was established in 1983 at Istanbul, TURKEY and has well-known reputation in Turkey and all over the world in the area of Garment Washing & Dyeing, Dryer and Hydro-Extractor machine.

We, Çağrı Makina as Dewelli Brand care about protecting nature and the future of our earth. Therefore, we produce our products with the consciousness of sustainability. We present sustainable machines to the textile field in order to save water, energy and chemical consumption. Çağrı Makina care about the quality standards and has ISO 9001-2000, CE, HYB and TSE certificates.

200+ installation in Bangladesh



Sustainable Washing Machine




Garment Dyeing Machine



Garment Dryer Machine

Represented in Bangladesh by:

 **Dysin International Ltd.**

 **Çağrı Makina®**  
Turkey

# Unbridled interest rates rise disturbs the industrial and export sectors

**Rahbar Hossain**

The country's export sector is facing intense global competition. Along with this, the production cost of goods is increasing due to the increase in interest rate on loans. This has further increased competition in global markets.

International Monetary Fund (IMF) loan conditions forced the central bank to lift the loan ceiling of 9 percent which was withdrawn from July 1. At the same time imposes a corridor or base interest to make the interest rate market based. Through this, the interest rate of the loan will be determined by adding a portion determined by the central bank to the average interest rate of the government's six-month treasury bills.

In between, the IMF pushed for the use of monetary policy to control inflation. As a result, the central bank took steps to increase all types of interest rates, including the policy interest rate. At the same time, it adopted a policy of reducing the flow of money in the market by following a contractionary monetary policy. This policy has been going on for the last two consecutive years. In this, the flow of money in the market has decreased and the interest rate has increased.

In the new system, the general loan interest rate has increased to a maximum of 13.11 percent, which was 9 percent before last July. During the same period, the interest rate on term loans in the industrial sector increased from 8 percent to 13.11 percent. Interest in the trade and import sector was 9 percent till last June. Now it has increased to 13.11 percent.

The highest increase in interest rates on pre-shipment loans was in the export sector. A BDT 10,000 crore fund has been set up as an alternative to the Export Development Fund (EDF) on January 1, 2023, to finance pre-shipment of export facilitators. Loans were to be given at 4 percent interest from this fund. Its interest rate has been increased in several stages and now it is 12.11 percent. The interest rate in this sector has increased more than three times.

The export sector was earlier given foreign currency



loans from EDF at 2 percent interest. The interest rate has been increased to 4.5 percent.

Excessive interest rate hikes have increased the cost of business and industry. Also, the increasing dollar price has played a major role in increasing the cost of doing business. Over the past two years, the dollar price has risen 28 to 48 percent.

Interest rates are being raised to control inflation at a time when the country's economy is in recession. Such an abnormal rise in interest rates is increasing the cost of doing business even before the shock of the global recession is over. In this, the price of products is increasing, which is putting the products of Bangladesh in the face of more competition in the domestic and foreign markets.



**Author:**

**Rahbar Hossain**

AGM, Business Development  
Textile Today Innovation Hub

**The Team**

**Tareq Amin**  
Founder & CEO

**Amzad Hossain Monir**  
Head of Business Development

**Rahbar Hossain**  
Business Development

**SN Abdullah  
Nurnahar Akter  
Arif-uz-Zaman**  
Research & Development

**Sanjoy Kumar Saha**  
Engagement & Communication

**Easen Miah**  
Graphic Design

**Zakir Hossain**  
Executive, Web & IT

**Ashrafal Alam**  
Cinematographer

**Md. Emon**  
Video Editor

**Md. Ariful Islam  
Md. Masudur Rahman  
Abir Basak**  
Editorial Contributions

**Inquiry:**

M. +88 01775 999 748

E. monir@textiletoday.com.bd

W. www.textiletoday.com.bd

**45 | FT Editorial**



Unbridled interest rates rise disturbs the industrial and export sectors

**47-48 | Industry Best Practices**



APS Knit Composite sets benchmark with LEED Gold Certification

**48 | Award & Recognition**

Shanta Expressions of Masco gets 'Best Quality Supplier' award from Target

**50-51 | Industry Best Practices**



Tropical Knitex reduces 90-95% water usage per screen wash

**56 | Collaboration Today**

JTOP & Mitsubishi to collaborate with BGMEA for RMG sustainability

**52-54 | Sustainable Energy**



Solar EPC drives energy independence for Rising Spinning Mills with 3 MW rooftop solar project

**55-56 | Exclusive Interview**



bluesign® equipping textile value chain for EU Digital Product Passport regulations

**58-59 | Experts Views**



Green Building vs greenwashing








Figure 1: APS Knit Composite Ltd. attained LEED Gold Certification.

# APS Knit Composite sets benchmark with LEED Gold Certification

## Sayed Abdullah

APS Knit Composite Ltd. – a leading readymade garment (RMG) manufacturing unit of APS Group – has attained LEED v4.1 Gold Certification from the U.S. Green Building Council (USGBC) with a total of 71 points out of 110 LEED points. Situated in Pubail, Gazipur, APS Knit Composite Ltd. took extreme measures to ensure sustainability – just like its parent company APS Group.

In terms of LEED points – here are the factory’s standings:

	6/15 Water efficiency
	14 / 14 Location & transportation
	16/24 Indoor environmental quality
	8/9 Material & resources
	27/35 Energy & atmosphere

### The factory implemented measures like:

- Heat-island reduction
- Roof-top gardening to protect/restore habitat
- Light pollution reduction
- Indoor-outdoor water use reduction
- Enhanced air quality management for occupant comfort



Figure 2: The factory has a rooftop solar system with a capacity of 67kW.

- Installed on-grid solar panels for renewable energy use
- Replaced all clutch-type motors with servo-drive motors

The factory uses an on-grid solar system with a capacity of 67kW electricity and directly uses it in the factory's grid through a solar inverter. APS Knit Composite gets almost 7% of the total energy use in the factory from these solar panels.

Also, the factory uses an exhaust heat recovery boiler with a steam capacity of 1.7 tons per hour. The exhaust from gas generators are fed into an exhaust gas boiler to produce steam as co-generation and supply this steam to the finishing section in RMG production.

Dr. Md. Hasib Uddin, Chairman, APS Group said, "From the first day of APS Knit Composite Ltd., sustainability was and is the top priority for us. We explored every avenue to innovatively implement sustainability. It is not just about achieving the certification. For instance, we use wash basin water for toilet flush. We installed a water reservoir to reuse used water. We do rainwater harvesting. Overall the factory is based on green initiative."

"Later on when textile and apparel factories in Bangladesh massively started LEED Certification recognition, we thought that our factory should have a formal recognition. That is why we went through the certification process," Md. Hasib Uddin added.

In addition, APS Knit Composite Ltd. took sustainability to new heights by installing a Servo-Drive Motor – which consumes 70-80% less energy



Figure 3: rainwater harvesting of APS Knit Composite.

than clutch drive motors. Energy saving ceiling fans and energy efficient lights.

APS Knit Composite Ltd. has a monthly production capacity of 13,00,000 pcs of garments.

APS Group set itself apart in a water-saving revolution from 2014. APS Group is an end-to-end apparel solution provider, that started its journey in 1999 and now they have eight sister concerns. With a vertically integrated setup, the incorporation of advanced technology and a proficient management team, APS is emerging sturdily as one of the anterior business entities in the country.

## Shanta Expressions of Masco gets 'Best Quality Supplier' award from Target

### Sayed Abdullah

Shanta Expressions Ltd, a top-notch garment factory of Masco Group, received the "Best Quality Supplier" award from both Target and Kmart. The recognition was received by Masco Group's, Executive Director, ATM Mahbul Alam Milton and General Manager (Marketing & Merchandising), Sk. Mamun Ferdoush at Target's Annual Partner Conference 2024 event.

This recognition is a testament to the unwavering dedication and collaborative spirit of Shanta Expressions' incredible team. Shanta Expressions Ltd started its journey back in 2012.

Situated in Tongi, Gazipur, the



Figure: Masco Group's, Executive Director, Mahbul Milton and General Manager (Marketing & Merchandising), Sk. Mamun Ferdoush received the award.

factory's hard work has truly paid off. The factory cherishes its partnership with Target and Kmart and is committed to maintaining the highest standards of quality and service.

In terms of ensuring sustainable manufacturing, Shanta Expressions is GOTS, Organic 100, Recycled 100, OEKO-TEX® STANDARD 100, and Global Recycled Standard certified.

Masco Group, one of the leading knit composite conglomerates in Bangladesh, experienced its inception in 2001. It is presently an integration of several business units of knitting, dyeing, garments, printing, embroidery and washing.



## FIXING

### FASTASOL RD-P

Wash fastness improver

## WASH OFF

### OXINOL CNW

Core neutralise wash off

### OXINOL RWP

Wash off

## FINISHING

### TEXSOFT HRDK

Hydrophilic softener

### TEXSOFT CWS BEADS

Cationic cold water soluble softener

### FASTASOL WR

Rub fastness improver

# Tropical Knitex reduces 90-95% water usage per screen wash

**Sayed Abdullah**



Figure 1: Tropical Knitex printing section stands out with its amazing 90-95% water usage reduction per screen wash.

In addition, Tropical Knitex's sustainability initiatives – in combination with automation and digitalization – are continuously making a difference. As part of sustainable drives, Tropical Knitex printing section stands out with its amazing 90-95% water usage reduction per screen wash has created a buzz in the textile industry. Recently, the Textile Today Innovation Hub's (TTIH) Factory Tales team has explored the Tropical Knitex factory in Kaliakoir, Gazipur.

Tropical Knitex's printing section leader, Md Abu Sayem, DGM (Printing & Embroidery), Tropical Knitex Ltd. – is also the President of the Screen Print Welfare Association (SPWA) shared with TTIH Factory Tales team,

***Tropical Knitex Ltd. is vertically integrated with knitting, dyeing, washing, cutting, digital and screen printing, embroidery and garmenting. The company is well known as one of the biggest and cleanest printing units in Bangladesh.***

***Tropical Knitex Ltd. is one of the biggest & cleanest printing units in Bangladesh.***

***Tropical Knitex Ltd. reduces 90-95% water usage per screen wash***

***Tropical Knitex Ltd. uses M&R Eco Rinse™ Machine to reduce water usage & boost efficiency***

about how the factory is setting itself apart in sustainability and automation.

“Tropical Knitex started its journey back in 2013 under the charismatic leadership of Md. Zubayer Mondol.

He always aspires to include the newest technology and automation. As a result, Tropical Knitex stands out as a prominent vertically integrated factory. Currently, around 7000 people are working here.”

Md Abu Sayem said, “Most importantly, we have integrated the most up-to-date technology not only in printing – but across our entire unit. For instance, the Sclavos machine in the dyeing section, the Auto Dispenser Machine, Nanobubble technology in washing – help us in reducing water consumption. Overall, from a sustainability aspect - Tropical Knitex ensures the best available technologies.”

Throughout the pre-printing preparation process, the factory incorporated automation to achieve sustainability.

In the screen preparation process, the factory uses an automated binding machine that ensures even pressure on the print screen. In screen preparation, Md Abu Sayem said, “We use an automatic photo emulsion coating to get the best result.”

“We do the eye imaging and laser jet exposing design of the screen with a single state-of-the-art machine. It is just like a printer. The best part of this machine is it does



Figure 2: M&R Eco Rinse™ Machine.

not require any polyester film like in the manual screen process. In addition, this machine saves a lot of energy,” Abu Sayem added.

In the screen cleaning process – rinsing/washing the screen to bring the design outcome, Tropical Knitex uses a revolutionary M&R Printing Equipment’s Eco Rinse™ Machine – which reduces 90-95% water usage per screen wash water and boosts a significant level of efficiency.

conventional process.”

Abu Sayem stressed that others in the printing industry should follow the lead of Tropical Knitex and move towards automation to excel in sustainability.

In terms of highlighting other positive aspects Eco Rinse™ Machine, he said, “In this machine, you will get equal edge lines in designs. Meaning all the designs will be crystal clear. Whereas,



Figure 3: Md Abu Sayem, DGM (Printing & Embroidery), Tropical Knitex Ltd. sharing the story of reducing water usage & boosting efficiency with Textile Today.

Abu Sayem said, “Saving water is one of the core parts of our sustainability commitment. In the manual screen cleaning process 10 to 15 liters of water is needed. Whereas, with the M&R Eco Rinse™ Machine – with 5 to 7 liters of water we can rinse the screen 40 to 50 times recycled water. Saving 90-95 % water usage per screen wash than the

in the manual process, water pressure is not even – thus the design emulsion gets broken.”

“Overall, buyer satisfaction, quality and sustainability – all three can be achieved through Eco Rinse™ Machine,” he added.

In the printing process, Tropical Knitex has the latest 6 Octopus and 8 Oval screen printing

machinery.

Abu Sayem said, “Normally, in the manual screen printing process, we cannot get more than 400-500 DPI resolution. With automated Octopus and Oval screen printing machines, we achieve 600-1200 DPI high-resolution print.”

Tropical Knitex’s digital printing unit has a DS-4000™ Digital Squeegee® Hybrid Printing System machine with a production capacity of 150,000 Pcs daily. DS-4000™ combines high-resolution (2400 DPI) digital printing with the speed and cost savings of screen printing.

“Day by day, fashion brands prefer high-resolution images. Our high-resolution DS-4000™ uses a screen-printed underbase eliminating the need for time-consuming pretreatment and expensive digital white underbase inks. Thus, M&R’s hybrid printing process cuts the time, labor, and cost required by digitally printing alone, making small and mid-size print runs cost-effective. An eight-to-twelve-color screen print typically requires hours to perform separations, process and expose screens, mix inks, and register the press.”

“The same screen print can be set up and printed on the Digital Squeegee in a fraction of the time with a minimal number of screens, greatly reducing art times normally associated with multi-color screen print jobs,” said Abu Sayem.

In terms of capacity expansion, Abu Sayem added, “By 2025 we have plans to double the present digital printing capacity. We will increase floors in addition to the existing ones. To put it in a nutshell, we are focusing more on digital printing.”

In terms of sustainable certification, Abu Sayem said, “As we mostly do babywear, our factory is OEKO TEX® level 6 certified. Moreover, in the last 5 years, Tropical Knitex have any RSL failure reports done by 3rd parties.”



# Solar EPC drives energy independence for Rising Spinning Mills with 3 MW rooftop solar project

**Sayed Abdullah**

Solar EPC Development Ltd. (SEPC) is a leading and fastest-growing solar power project developer and consultancy firm, installed a 3 MW (3001 KWp DC & 2470 KW AC) rooftop solar project at Rising Spinning Mills Ltd.

Rising Spinning Mills Ltd. – a concern of Rising Group – located in Manikganj, the solar project is expected to generate 745.43 MWh of clean energy annually and 9.67 MWh daily.

In terms of saving, annually this project will save 809.18 tons of carbon, 681.42 tons of standard coal and 1.11 K equivalent trees planted.

In addition, in this project, Solar EPC introduced the latest

automated robotic cleaning systems for rooftop solar – which highlights the role of automation in ensuring the cleanliness and efficiency of solar panels.

Rising Spinning Mills creates one of the best quality yarns that ensure the state of the art fabric production. And driving to move forward with cutting-edge technology and great operational skills.

In terms of capacity, Rising Spinning Mills Ltd. has a yarn production capacity of approx. 65 Tons per day. The factory has 30,240 ring spindles and 720 rotor spindles. The factory sources both organic and non-organic cotton, BCI cotton, CMIA cotton from Australia, Brazil, West Africa,

East Africa, India & USA. Polyester staple fiber and viscose staple fiber from Indonesia, Thailand & India. Modal from India and Indonesia. Flax fiber from Europe.

Keeping sustainability in concern – Rising has top-notch certifications like GOTS, OCS, GRS, BCI, CMIA, OEKOTEX, and LEED.

Mahmud Hasan Khan, Managing Director, Rising Group said, "The future of the industry is in producing goods in a sustainable and ethical environment"

Solar EPC is playing a crucial role in providing the latest technologies for the textile and apparel industry cost-effectively. Solar EPC first started operations

# WE LIGHT UP OUR COUNTRY IN THE RENEWABLE WAY



ASSET MANAGEMENT | IPP | EPC  
ROOFTOP SOLAR | PROJECT FINANCE

For more information please contact us

CRM Manager +880 13 2120 2012  
Email: corporate @ solarepc-bd.com

in Bangladesh in 2018 with the floating solar project and later ventured into rooftop solar. Solar EPC thinks that the solar industry in Bangladesh now is mature. Especially in the textile industry which is a 100% export-oriented industry, they have taken solar as mandatory.

Solar EPC Development Ltd. under the leadership of Ezaz Al Quadrat A Mazid, Founder and Managing Director - provides a one-stop solution for commercial

and industrial rooftop solar. It offers a complete range of services, from initial assessment to design, engineering, procurement, installation, and commissioning.

Ezaz Al Quadrat A Mazid said, "We provide turn-key EPC solutions for rooftop solar projects - a complete range of services, from initial assessment to design, engineering, procurement, installation, and commissioning. We also work as IPP developer, and project management consultancy services

for our clients."

Ezaz Al Quadrat A Mazid added, "Solar EPC's experienced team leverages the latest technology and industry best practices to provide its clients with high-quality, cost-effective, and sustainable solar energy solutions."

Solar EPC Development Ltd. is proud to have been a part of this initiative and looks forward to working with Rising Spinning Mills Ltd. on similar projects in the future.

# Nadia Kader appointed as HR Head of Centro Tex

## **Sayed Abdullah**

In a strategic move aimed at bolstering its team, Centro Tex Limited, a leading Bangladeshi textile and apparel powerhouse, has announced the appointment of Nadia Kader as Head of Human Resource (HR).

With 13 years of experience across diverse streams in HR. Nadia has worked in leading multinationals both in Bangladesh and international markets (South Korea, Singapore & Thailand).

She brings to the table core competencies such as HR Business partnering, Change management, Merger & Acquisition integration, Talent management and Organization design and development. Nadia is also passionate about Future-fit work and Inclusion initiatives.

Nadia is the kind of professional who has the right balance of people's skills, humility and interpersonal capability that is required in the domain of HR.

Her work with diverse MNCs was exceptional and depicted the core values and people culture of the organization.

Centro Tex has flourished under the leadership of Chairman Tahsin Uddin Khan. With a 17-year legacy and 3000 employees, Centro stands out for its focus on personalized, creative, and sustainable designs. Their mission? To become the go-to brand for those seeking exceptional products and services that leave a lasting impression.





# bluesign® equipping textile value chain for EU Digital Product Passport regulations

## BTT Interview

*As an international spearhead in sustainable solutions with attention to mitigating hazardous chemical use through Input Stream Management across the textile supply chain, bluesign®, a member of the SGS Group, is a staunch player in promoting environmentally friendly and socially responsible manufacturing practices.*

*In this journey, bluesign® CEO Daniel Rüfenacht is an experienced trailblazer. Daniel joined SGS in 2008 as Vice President of Corporate Sustainability, Daniel was promoted to Group Vice President, Corporate Communications and Sustainability in 2017. In this role he had responsibility for sustainability management systems, the global sustainability programs, brand and communications, achieving significant change and improvement in these areas.*

*In a recent interview with Textile Today, Daniel Rüfenacht shared some key issues like the EU Green Deal and its impact, bluesign® strategies and the introduction of Digital Product Passports (DPP) in Bangladesh.*

**Textile Today:** Please tell us about your views on the recent EU Green Deal and how it is going to impact the Apparel value chain.

**Daniel Rüfenacht:** Of course, the Green Deal in the EU will tremendously shake up and transform the textile value chain. Because of the widespread textile and apparel value chain – it is quite impossible to pinpoint all the garment components' whereabouts or substances.

The notion of traceability in DPP will force brands and retailers to go down from raw materials to end

products. Not only from where it is coming from – but the impact across the value chain.

For instance, DPP will ask us to report the performance of the garments and traceability. In terms of from where the product is coming. And CO2 emission performance, recyclability, and recycled contents – in terms of greenwashing and reparability.

Yes, it will take ages to bring the total supply chain transparent – but we need to initiate.

The EU Green Deal legislation is preparing to force the industry to be more transparent and less impactful.

**Textile Today: What strategies bluesign® has taken to address this Green Deal challenges?**

**Daniel Rüfenacht:** bluesign® has been in the market for the last 25 years with a diversified portfolio. We are the leader in setting unparalleled standards – having said that we have a platform for better chemicals, fabrics, and we have a platform for DPP. Meaning, we can link the chains and offer full traceability to fashion brands from raw materials to end products – with impact data to fully trace 6 elements of DPP that are required.

For bluesign®, this topic is paramount – as we have been addressing the value chain from chemistry to brands – with our SYSTEM. So, our idea is to Input Stream Management across the textile supply chain. Meaning, that we replace hazardous chemicals with sustainable ones.

This is what we are offering to our clients. That is why we have launched the DPP and bluesign® Roadmap in the Bangladesh textile and readymade garment (RMG) industry.

**Textile Today: Given the introduction of DPP in Bangladesh, how do you envision the future role of bluesign® evolving in this context?**

**Daniel Rüfenacht:** Across textile and apparel (T&A) manufacturing countries, including Bangladesh, bluesign® plays a crucial role in enhancing traceability within the fashion industry through its innovative data-driven approach. By employing the DPP, we capture vital information – in processing methods and chemical usage, throughout the

production chain.

This data is then stored securely and transparently on a blockchain platform. This allows brands, retailers, and even consumers to access and verify the environmental and social impact of garments certified by bluesign®.

**Textile Today: What we have understood is that DPP is the goal and bluesign® is paving the path for the brands and manufacturers to collaborate. What will be the challenges for the industry in your opinion?**

**Daniel Rüfenacht:** Over the years, the fashion market evolved and various parameters are set. Now, the EU is going to set some KPIs with its legislation. The ultimate goal is to reach these KPIs, does not matter how one reaches it.

In my opinion, the industry needs a sustainability index. An index will make the T&A industry progress. Having a standard makes the industry rigid and opens the scope of debate. Rather, with an index, you can update when it is necessary.

**Textile Today: How can the implementation of DPP within the bluesign® Roadmap benefit both manufacturers and consumers in the textile industry?**

**Daniel Rüfenacht:** ‘bluesign® Approved’ label indicates that a product or material has been certified by the bluesign® system. Consumers can trace the garment.

For manufacturers, being part of ‘bluesign® approved’ denotes that the product or material was produced with minimal environmental impact and adherence to high safety standards.

**JTOP & Mitsubishi to collaborate with BGMEA for RMG sustainability**

**Tanvir Ahmed**

A delegation from JTOP Co Ltd (JTOP) and Mitsubishi UFJ Research and Consulting Co Ltd (MURC) met with Faruque Hassan, ex-President of the Bangladesh

Garment Manufacturers and Exporters Association (BGMEA) on 13th March’24.

During the meeting, JTOP and MURC seek a partnership with BGMEA to promote environmental sustainability in the apparel industry of Bangladesh.

The conversation covered relevant topics such as wastewater regulations, the prevailing conditions within the textile industry, installation of wastewater treatment facilities in factories, the imperative for water recycling, concerns regarding land subsidence and

others relevant topics.

The state-of-the-art wastewater treatment technologies from JTOP were thoroughly reviewed, focusing on how their recyclable and affordable solutions may potentially reduce the environmental pollution generated by textile and dyeing facilities.

The delegation was led by Jiichi Nakaki from JTOP, Shoji Kita and Yasuko Hashimoto from MURC.

Faruque Hassan underscored Bangladesh’s commitment to advancing environmental sustainability within the Ready-Made Garment (RMG) sector.



Figure: A delegation from JTOP Co Ltd (JTOP) and Mitsubishi UFJ Research and Consulting Co Ltd (MURC) met with Faruque Hassan, ex-President of BGMEA.



# Transforming textile processing sustainably



## Proavita bio-based product range enhanced with green chemistry technology



### Pre-treatment range

Pre-treatment agents, wetting agents, chelating & de-mineralizing agents, scouring agents, sequestering, de-mineralizing & stabilizing agents, desizing agents, catalase enzyme, lint removers etc.



### Soaping & cleaning range

Soaping agents, washing off agents, anti-tinting agents, detergents etc.



### Dyeing range

Sequestering, leveling & dispersing agents, cleaning agents etc.



### Finishing range

Range of softeners.





# Green Building vs greenwashing

**Ananta Ahmed**

Green building, also known as sustainable or eco-friendly building, refers to the practice of creating structures and utilizing processes that are environmentally responsible and resource-efficient throughout a building's life cycle, from siting to design, construction, operation, maintenance, renovation, and demolition. The goal of green building is to reduce the overall impact of the built environment on human health and the natural environment.

On the other hand, greenwashing is a deceptive marketing or public relations practice used by companies to portray themselves as environmentally friendly or socially responsible when, in reality, they are not taking meaningful steps to reduce their environmental impact or improve their social responsibility. It involves misleading consumers into believing that a company's products or practices are more sustainable or eco-friendly than they actually are.

Bangladesh Green Building Movement are very strong specially in Textile and RMG sector. Bangladesh now is the home of the Best LEED Green Building in the World (SM Sourcing, LEED Platinum with 106 Points) and also top 9 out of top 10 LEED Platinum certified factories of the World are in Bangladesh.

USGBC LEED is very comprehensive sustainable checklist evolved in last 30 years and became very popular Green Building Rating System in the World. LEED has Worldwide acceptance as sustainable

practice benchmark of any development. 183 Country and Territories in the World have LEED certified projects.

Worldwide fashion industry is one of the main sources of Carbon Emissions, Energy and Water Consumptions and Environment and Water pollutions. In fight to change and reduce Global Warming and Carbon Emission, Fashion Industry talking noticeable measures and as supply chain Bangladesh RMG sectors need to be and have to be part of it. For that reason, the buyers of RMG from Bangladesh are encourage and give priority to LEED certified project. Bangladesh Government also encourages sustainable developments and practices with number of incentives such as "Sustainable Refinancing" at very low rate (5%) and Corporate Rate Discount (2%). Till today (23.03.2024) Bangladesh has 792 projects are registered with USGBC and among them 239 are certified (87 Platinum, 133 Gold, 15 Silver and 4 Certified as of 3.23.2024).

To satisfy buyers sustainability priority, getting preferences, qualifying for low-cost funding or corporate tax discount, a number of projects are pursuing LEED certifications. Unfortunately, few of these are pursuing LEED certificate for ornamental purposes without doing much and that is called 'Greenwashing'.

## Experts Views

LEED Green Building Concept when follow properly can provide significant benefits to the projects such as follow; -

- Reduce Building Construction Cost by 2% to 5% (New Building)
- Reduce Building Running Cost
- Reduce Construction Time by 20% to 30%
- Reduce Replacement Cost
- Reduce Cost of Investment or Loan by 5% to 7%
- Reduce Corporate Tax by 2%
- Global Benefits with less carbon emissions and higher acceptances
- Environmental Benefits with less energy, water and resources consumptions
- Improve "Indoor Environmental Quality" for Health & Productivity
- Improve Marketing Advantages with International Recognitions
- Improve Corporate Branding with ESG Reporting
- Improve Personal Satisfactions with Comprehensive Sustainable Practices

"If we understand LEED Green Building Concepts in a factual way, the cost is not an issue. If we analyze the costs and benefits in a meaningful way, we will see LEED Green Building Cost less than regular buildings and create significant profits for the companies."

If we do it right, Buyers do not need to pay more. Because we already saving energy, water, resources, replacement cost, cost of loan and with better Indoor Environment our productivities are increased and turnover rate are reduced.

On the other hand, achieving LEED Certificate with 'Greenwashing' will not create all above benefits and we may complain that 'Buyers do not pay more'.

Greenwashing can undermine consumers' trust in environmental

claims and make it difficult for them to make informed choices. It's important for consumers to critically evaluate the environmental claims made by companies and look for credible evidence to support those claims. Additionally, organizations and regulatory bodies may take measures to combat greenwashing and hold companies accountable for misleading marketing practices.

In summary, while "green" denotes authentic efforts toward environmental sustainability characterized by transparency, substantive actions, and long-term commitment, "greenwashing" refers to deceptive or superficial attempts to appear environmentally friendly without genuine commitment or meaningful action.

Bangladesh RMG sector is mostly depending on European Buyers and they abide by European Union rules and regulations. Recently European Union talking initiative to tackle 'Greenwashing' practices' and asking for Sustainable Practices transparency and verifiable evidences.

In March 2022, the European Commission proposed to update EU consumer rules to support the green transition. In September 2023, Parliament and Council reached a provisional agreement on the updated rules.

MEPs approved the agreement in January 2024, followed by the Council the following month. EU countries have 24 months to incorporate the update into their national law.

So, we need to be ready and prepare for what is coming. We need to have better (digital) Energy and Water consumptions monitoring system, better sustainability practices parameters, innovative idea to reduce our overall carbon footprints and documentation to verified our claims.

"Go green, it creates PROFITS"



Going Green will create **PROFIT**, save **PLANET** & cared for **PEOPLE**



**Ananta Ahmed**

Int'l. Green Building Expert, USGBC Faculty  
LEED AP BD+C, LEED AP EB O+M, LEED AP ID+C,  
LEED AP HOMES & LEED AP ND

Principal LEED Consultant and  
MD, 360 Total Solution Limited



**355+**  
Project Running  
in 117+ Companies  
& 140 million SFT.

**WE OFFER AN ABSOLUTELY FREE  
CONSULTATION FOR YOU!**

**Book Now**



H # 3/1 (1<sup>st</sup> Floor), Road # 8  
Dhanmondi, Dhaka 1205

**Mob/WA:** + 88 01747910939  
**E-mail:** ananta2001@yahoo.com



COLOUR CHEMISTRY

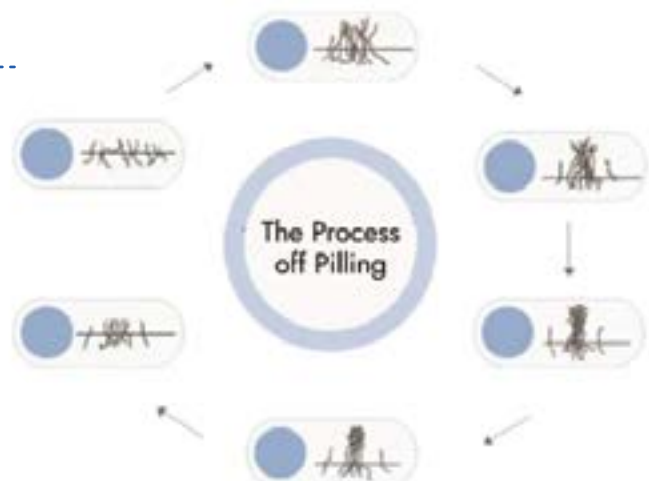


# FUZZ RESISTANCE

## Anti Pilling

- >> Fabric pilling or fuzzing are daily annoyances. After treatment the fabric soft, does not affect the strength, improve the fabric dry rubbing fastness.
- >> innovative technology can improve people's live prolongs the newappearance and life span of your textile products can increase customer satisfaction over time
- >> This product can improved sewability, also with exceptional efficiency and durability
- >> Resistant to washing and dry cleaning/ Resistant to yellowing/minimal impact on fabric handle and comfort
- >> Significant improvement of anti-pilling and abrasion resistance, velcro-resistant effects. performance make this product not only suitable for clothing, but also for other textiles
- >> After treatment, the fabric has its excellence, creating a higher brand value of the product

☎ +8801716 585 700, +880 1913 171 959  
✉ salahuddin@colourchemistrybd.com  
🌐 www.colourchemistrybd.com



t<sup>ex</sup>Meta *Presents*

# Apparel Today

Unveiling industry best practices

Apparel accessories & fashion

April 2024

A Textile Today Initiative | Published with Volume 17, Issue 04 | Pages 61 to 78



**We will work to empower buying houses through recognition and policy support**

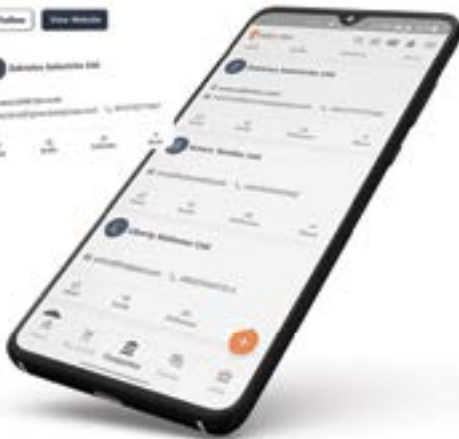
**AKM Saifur Rahman Farhad**  
Vice President, BGBA

**“We will work to empower buying houses through recognition and policy support”**

**Apparel exports to US fall by 2.58% in 8 months**

**BGAPMEA to hold election for the first time, panel announced**

# BUSINESS & PROFESSIONAL NETWORK



- Post
- Buy & Sell
- Companies**
- Events
- Forum
- Jobs
- Profile
- Messages
- Notification



## Create Your

### Profile

Create & build your profile

### Events

Create & Join events in a single place.

### Buy & Sell

A dedicated marketplace to buy & sell products.

### Jobs

Post jobs easily and get the right professionals.

### Post

Share thoughts or views with people of the same interest.

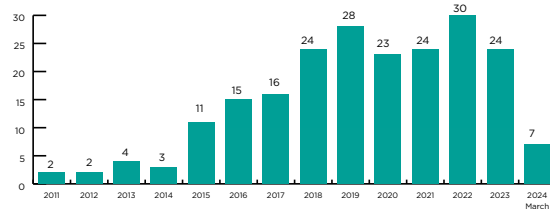


# Bangladesh solidifies its position as a global leader in sustainable manufacturing

Arif-uz-Zaman

Bangladesh the home of 213 U.S. Green Building Council's LEED	
Platinum	80
Gold	119
Silver	4
Certified	4
As many as <b>500 factories</b> in the pipeline	

Number of Green Factories vs year



**Bangladesh Success in Green Factory**

- » 9 of the world's top 10 eco-friendly factories
- » 53 of the world's top 100 environmentally friendly industries
- » SM Sourcing is the No.1 LEED factory of the world

Despite all difficulties and challenges in local and international fields, Bangladesh's vision and continued commitment to sustainability in the apparel sector highlights Bangladesh's immense potential in manufacturing. Bangladesh is now the home of 213 U.S. Green Building Council's LEED Green Factories.

According to BGMEA data, there are currently 213 eco-friendly factories in the ready-made garments and textiles sector with LEED certification. 80 of them are LEED Platinum Certified. Apart from this, 119 gold, 10 silver and 4 have been recognized as LEED certified.

The journey of eco-friendly factories in the country started by the hand of apparel industry entrepreneur Sajjadur Rahman Mridha. He set up Vintage Denim Studio in Ishwardi EPZ, Pabna. More than two hundred eco-friendly factories have been built in the country along the path shown by him.

Just a decade ago our RMG industry was making international

news for all the wrong reasons. From tragedies like the Rana Plaza collapse and Tazreen tragedy and often dangerous working conditions defaulting many factories, it is nothing short of a miracle that we now have as many as 500 factories in the pipeline for pending LEED certification.

After the deadly Tazreen Fashion and Rana Plaza accidents, which put Bangladesh under immense pressure internationally, factory owners started thinking about improving their workplace environment. Some visionary entrepreneurs planned to set up green factories to create more brand and right group attention.

Now, 9 of the world's top 10 eco-friendly factories are in Bangladesh. Among them, SM Sourcing of Gazipur's Konabari has been recognized as the world's top eco-friendly factory by getting the highest number. The factory scored 106 out of 110 marks. Half or 53 of the world's top 100 environmentally friendly industries are in Bangladesh.

The number of LEED factories is increasing every year. According to BGMEA data, in 2011 and 2012, 2 factories got the LEED certificate in each year. After that 4 in 2013, 3 in 2014 and steadily increasing thereafter. 2022 has the highest LEED certificate- 30 factories. 24 in 2023 and 7 in 2024 till 16 March.

Currently, Bangladesh has more eco-friendly apparel and textile mills than any other country in the world. Apart from ready-made garments and textile sector, there are also environmentally friendly factories in shipyard, footwear and electronic products sector.

However, establishing a green factory requires substantial investment, often 25-30 percent more than conventional non-green factories. Despite providing improved working conditions to their workers in green factories, entrepreneurs have not yet observed a higher price structure compared to non-green factories. So, Westerners should not talk only about green factories, their buyers also need to properly evaluate these green factories.

An initiative of Textile Today

## The Team

**Tareq Amin**  
Founder & CEO

**Amzad Hossain Monir**  
Head of Business Development

**Rahbar Hossain**  
Business Development

**SN Abdullah Nurnahar Akter Arif-uz-Zaman**  
Research & Development

**Sanjoy Kumar Saha**  
Engagement & Communication

**Yeasin Mia**  
Graphic Design

**Zakir Hossain**  
Executive, Web & IT

**Ashrafal Alam**  
Cinematographer

**Md. Emon**  
Video Editor

**Md. Ariful Islam**  
**Md. Masudur Rahman**  
**Abir Basak**  
Editorial Contributions

### Inquiry:

M. +88 01775 999 748

E. monir@textiletoday.com.bd

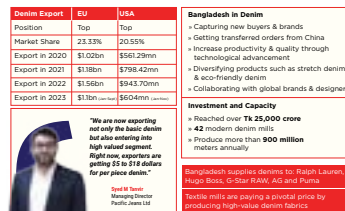
W. www.textiletoday.com.bd

## 63 | AT Editorial



Bangladesh solidifies its position as a global leader in sustainable manufacturing

## 65-66 | Denim Today



Bangladesh denim exports Humble start to a global market leader

## 68-69 | Exclusive Interview



"We will work to empower buying houses through recognition and policy support"

## 70 | Advertorial

R|E|lan™ EcoGold with CiCLO®- Biodegradable fabric - A New Revolution in Eco-Friendly Fashion

## 72-74 | Exclusive Interview



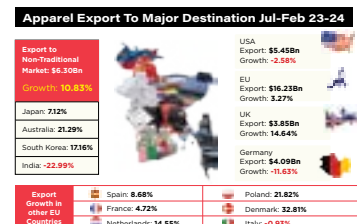
Pure Chemicals boosts sustainability and competitiveness

## 75 | Associations' Activities



BGAPMEA to hold election for the first time, panel announced

## 76 | Exports Updates



Apparel exports to US fall by 2.58% in 8 months

# Bangladesh denim exports

## Humble start to a global market leader

*Gradually entering high value products manufacturing for brands like Ralph Lauren, Hugo Boss and G-Star RAW*

**Staff Correspondent**

Denim Export	EU	USA
Position	Top	Top
Market Share	23.33%	20.55%
Export in 2020	\$1.02bn	\$561.29mn
Export in 2021	\$1.18bn	\$798.42mn
Export in 2022	\$1.56bn	\$943.70mn
Export in 2023	\$1.1bn (Jan-Sept)	\$604mn (Jan-Nov)



*"We are now exporting not only the basic denim but also entering into high valued segment. Right now, exporters are getting \$5 to \$18 dollars for per piece denim."*

**Syed M Tanvir**  
Managing Director  
Pacific Jeans Ltd

### Bangladesh in Denim

- » Capturing new buyers & brands
- » Getting transferred orders from China
- » Increase productivity & quality through technological advancement
- » Diversifying products such as stretch denim & eco-friendly denim
- » Collaborating with global brands & designers

### Investment and Capacity

- » Reached over **Tk 25,000 crore**
- » **42** modern denim mills
- » Produce more than **900 million** meters annually

Bangladesh supplies denims to: Ralph Lauren, Hugo Boss, G-Star RAW, AG and Puma

Textile mills are paying a pivotal price by producing high-value denim fabrics

Primarily as a supplier of basic denim products, Bangladesh has found a prominent place in the global markets and gradually is entering in high valued segment with quality jeans to cater global consumers.

Over the years, Bangladesh has transformed the sector by adopting latest technology and sustainability and has become number one denim supplier to US and European markets and grabbed a larger market share from the demand pie.

Since 2017, Bangladesh has been

the top denim exporter to the EU, while later it also topped the exporters in the US market and kept the dominance till date.

The modest journey of the Bangladesh denim sector now opened vast opportunities riding on the transformation of the sector into a compliant and sustainable one.

Integration of eco-friendly washing, dyeing and green manufacturing gave a boost and attracted the attention of global buyers.

### State of exports

According to Bangladesh Garment

Manufacturers and Exporters Association (BGMEA) data, during January-November period of 2023 Bangladesh exported denim products of \$604 million to the United States of America. In the US market, Bangladesh holds 20.55% market share.

In 2022, it amounted to \$943.70 million while it was \$798.42 million in 2021 and \$561.29 million in 2020.

On the other hand, exports to the European Union stood at \$1.1 billion in nine months of 2023, which is 23.33% of total imports of \$3.9 billion.

*“Couple of years back, Bangladeshi denim manufacturers were not able to avail orders of jackets worth \$25 a piece and above. Now, they’re making jackets for \$100 each,”*

**Faruque Hassan**

ex-President, Bangladesh Garment Manufacturers and Exporters Association

In 2022, earnings from denim shipments to the EU stood at \$1.56 billion. In 2021, it amounted to \$1.18 billion. Even during the Covid-19-affected year of 2020, denim exports from Bangladesh to the EU stood at \$1.02 billion.

“We are now exporting not only the basic denim but also entering into high valued segment. Right now, exporters are getting \$5 to \$18 dollars for per piece denim,” said Syed M Tanvir, managing director of Pacific Jeans Ltd, one of the largest suppliers of denim.

The company produces about 45 million pairs of denim jeans for export and is aiming to increase production by double digit compared to 2023.

“Couple of years back, Bangladeshi denim manufacturers were not able to avail orders of jackets worth \$25 a piece and above. Now, they’re making jackets for \$100 each,” Faruque Hassan, ex-President of the Garment Manufacturers and Exporters Association (BGMEA).

Bangladesh is becoming stronger in the global markets and capturing new buyers and brands because of high value and quality supply of denims, said the business leader.

The good news is global fashion brands are transferring their orders to Bangladesh from China and Vietnam as they trust us as reliable supplier, said Hassan.

“Though, Bangladesh’s journey in the denim industry began

modestly with focus on basic denim production, it entered in high valued segment in recent years. This is because of sustainable washing, dyeing and quality improvement,” said Md. Ashikur Rahman Tuhin, Managing Director of TAD Group.

Country’s denim manufacturers have adapted technological advancements to increase productivity and quality, said Tuhin, also a director of BGMEA.

New investments latest technology and automation have streamlined production processes, resulting in higher efficiency and consistency in denim manufacturing he added.

Along with technological development, denim makers have diversified products such as stretch denim, eco-friendly denim by using sustainable practices.

On top of that global fashion brands and designers have collaborated with Bangladeshi denim manufacturers to diversify products and technology transfer.

For incorporation of cutting-edge designs and styling elements, Bangladesh has turned itself as a hub for fashion-forward denim products, said the industry people.

“We are also implementing water-saving techniques in dyeing and finishing processes using organic and recycled materials. This is to curb environmental impacts and meeting consumer demand for sustainable denim,”, tuhin said

#### **Continued investment improving capacity, quality**

With the growing demands, local manufacturers are making new investments to attract buyers. They are also enhancing capacity. Different research organizations projected that the global denim market is to reach \$76.1 billion by 2026, growing at a rate of 4.8 per cent per annum.

As the demand for denim has been rising because of changes in fashion, new investment and reinvestment are being

made in the sector, Monsoor Ahmed, chief executive officer of the Bangladesh Textile Mills Association (BTMA), said.

Over the years, Bangladesh has established its capacity and has become a reliable source for denim fabrics.

As BTMA data, investment in the denim sector reached over Tk 25,000 crore. There are 42 modern denim mills, which can supply more than 900 million metres of denim fabrics annually.

#### **Textile mills plays pivotal role**

Textile mills are paying a pivotal price by producing high-value fabrics, which curtails lead time. Fabric supply from domestic sources saves time compared to imported one.

Bangladesh supplies denims to high-end brands such as Ralph Lauren, Hugo Boss, G-Star RAW, AG and Puma.

Bangladesh now is not only supplying basic items but also premium quality jeans. We are developing denim fabrics for high end brand Ralph Lauren and providing it to local nominated suppliers in Bangladesh, said Kutubuddin Ahmed, Chairman of Envoy Textile Limited, the world’s first LEED platinum-certified mill

Another pioneer in denim fabrics, ShaSha Denim also supplies fabrics to Ralph Lauren-nominated garments.

*“Bangladesh now is not only supplying basic items but also premium quality jeans. We are developing denim fabrics for high end brand Ralph Lauren and providing it to local nominated suppliers in Bangladesh,”*

**Kutubuddin Ahmed**

Chairman

Envoy Textile Limited

PRESENTING OUR  
MOST POPULAR  
AND IN-DEMAND  
SERIES OF  
DISPERSE DYES  
FOR POLYESTER

A premium range of disperse dyes for polyester, ideal for microfilament yarn dyeing for the world's leading sportswear and active wear brands to achieve high wash fastness requirements.

# CBENE HWF HWW SERIES

#Sportswear  
#MicrofibreDyeing  
#HighWashFastness

THE  
POWER  
OF  
COLOR



T: 91 22 4018 6666 / 91 22 2352 2132  
E: [info@colorbandindia.com](mailto:info@colorbandindia.com) | [www.colorbandindia.com](http://www.colorbandindia.com)



CERTIFICATIONS  
ISO 9001 : 2008 | ISO 14001 : 2004 | ISO 45001 : 2018

**COLORBAND**  
DYESTUFF (P) LTD

# “We will work to empower buying houses through recognition and policy support”

**Sayed Abdullah**



Figure: AKM Saifur Rahman Farhad, Vice President, BGBA & Managing Partner, Wikitex-BD and CEO, Interlink Dresses Ltd.

*Bangladesh's apparel industry has long been a synonym for manufacturing basic apparel. Some charismatic icons have been defying this identity and pioneering to make high-end and value-added apparel items like suit-making. AKM Saifur Rahman Farhad, Managing Partner, Wikitex-BD and CEO, Interlink Dresses Ltd. is one such icons.*

*From his identity as a visionary leader, Saifur Rahman Farhad has embarked on a greater responsibility as a Vice President, Bangladesh Garment Buying House Association (BGBA) for the term 2024-2026.*

*In a recent interview with Textile Today, AKM Saifur Rahman Farhad expressed his vision and practical steps to renovate BGBA into an exemplary association.*

**Textile Today:** Kindly share BGBA's contribution and role in the country's economy, as well as, in the readymade garment (RMG) sector.

**Saifur Rahman Farhad:** Garment buying houses have been playing a pivotal role for the sector, as well as, for the country. To start with, BGBA brings 50% of the RMG sector's export earnings indirectly. As factory LCs are transferred via buying houses and most factories including mine - have 50% to 60% orders from local and foreign buying houses. Besides, we have a good contribution to the economy, job creation and other affiliated sectors. Sadly, despite this massive

contribution, we do not get enough recognition.

So, the new committee's first job will be to convey this message to the govt. and foreign buyers and get recognition. Keeping the data of transferred LCs and buyers' LCs through buying houses is a crucial step to getting recognition. We will devise ways with Bangladesh Bank to solve it.

Another important aspect is that buying houses are giving 10% Advance Income Tax (AIT). And there are some top export earning buying houses earning around \$100 million. We will urge the govt. to give top exporters the CIP recognition for our sector. Highlighting Advance Income Tax contributions, we will urge the government to grant CIP recognition for top exporters in our \$100 million export sector.

Moreover, another critical aspect, is that the garment factories provide much less AIT. So, we will request urgent policy support from the govt. and propose a uniform tax rate on export earnings - which will boost orders and grow our economy.

Garment buying houses have a significant disadvantage when it comes to international travel opportunities, with access to foreign delegations with the govt., trade fairs, and travel discounts that we currently do not enjoy.

**Textile Today: With a new wave of entrepreneurs emerging, what are your thoughts on the most effective ways to foster their growth and ensure a thriving entrepreneurial ecosystem?**

**Saifur Rahman Farhad:** Once the sector was small - thus merchandisers were well-versed in the whole process. Now, with the expansion of the buying house sector entrepreneurs and management people need more workshops and training.

Thus we need to groom our entrepreneurs. I have a plan to continuously groom and organize workshops and training from BGBA.

This will enable new entrepreneurs into the mainstream. This will be one of the main

commitments of BGBA's new board.

**Textile Today: On preparing future merchandisers from the university level - what can be done?**

**Saifur Rahman Farhad:** My heart feels heavy when I see that leading fashion and textile university's 4th-year students knock door to door for internship scopes. Whereas, the universities should have managed it for the betterment of the students - as they pay a hefty sum.

From BGBA, we want to do MoUs with fashion and textile universities. So, merchandising students can come to buying houses for future grooming.

Above all, the academia-industry gap must be lessened through these kinds of initiatives. The old schooling method is obsolete in the fast-paced fashion industry. So, industry veterans and leaders should come forward and disseminate their knowledge to our young minds.

**Textile Today: As a pioneer of high-value-added fashionwear: Bangladesh RMG - kindly share how can we grow more?**

**Saifur Rahman Farhad:** The biggest challenge in making high-value-added fashionwear is that we do not have capable manpower, in terms of workers and mid-level management. My passion alone is not enough to progress the sector.

Unless and until we are equipping our design and development, production, and sampling departments - value-added items like trousers, suits, and jackets will not progress.

**Textile Today: Kindly share your views for entrepreneurs who want to diversify.**

**Saifur Rahman Farhad:** On a macro note, we have to diversify in terms of industry level as a country. Not sticking to some selected industries. We must focus on allied industries. Then there are other similar industries to venture out. This will cushion the next economic crunch. And ensure a sustainable growth for the country.

## Twelve Clothing opens new outlet with eco-friendly designs

**N. Tania**

On 24 March, the fashion company Twelve Clothing Ltd. celebrated the grand inauguration of its unique store at Police Plaza, Gulshan in the capital with high-end clothing and environment-friendly designs.

At the inauguration event, Abdullah Hil Rakib, Managing Director of Team Group and Vice President of BGMEA and Motiur Rahman, the Director and CEO of Twelve Clothing were the distinguished guest of the event.

Twelve has over 30 outlets nationwide and now has firmly established itself as a beacon of style and sustainability in Bangladesh from stylish menswear to stunning womenswear and cute kids' collections.



Figure: A part of Twelve Clothing's outlet. Courtesy: Collected

# R|Elan™ EcoGold with CiCLO® – Biodegradable fabric - A New Revolution in Eco-Friendly Fashion

## R|Elan™ Story

Reliance Industries Ltd (RIL), India's largest company, has launched R|Elan™ EcoGold with CiCLO® - a new fabric technology having a unique chemistry that enables activation of biomimetic biodegradation process.

Ever increasing demand for environment friendly products from eco-conscious consumers have enforced apparel brands, fashion houses to seek a unique chemistry that can provide a biological solution to environment related issues. R|Elan™ EcoGold with CiCLO® fabric is designed to reduce persistence of textile waste in landfills and other related conditions.

### **Need for a solution to the environmental crisis due to textile waste accumulation**

Today one of the major challenges faced by the environment is the accumulation of textile waste. In the fashion industry, a majority percentage of post-consumer textile waste, weighing millions of tons, end up in landfills. These waste textiles can take up to 400+ years to decompose. In such a scenario, it is extremely important to be aware and take responsibility to come up with new path breaking solutions that can ensure reduction of textile waste in landfills.

R|Elan™ range of fabrics from Reliance Industries Limited offer multiple possibilities with infused technologies that bring about special and lasting benefits in the garment for the consumer. R|Elan™ provides consumers next-generation fabrics that are in sync with the latest fashion trends, and fulfil their lifestyle needs as well. R|Elan™ EcoGold with CiCLO® fabric is the newest addition in the R|Elan™ eco-friendly technologies collection that enhances sustainable fashion quotient.

R|Elan™ EcoGold with CiCLO® is an innovative effort that will help reduce the impact of unrecycled textiles on the environment. This technology enables microbes living in the environment to break down the materials and convert them into basic elements

like carbon dioxide, water, minerals etc. just like they break down natural fibres. The chemistry used to make the product is proven to be safe for use in sustainable textiles by OEKO-TEX ECO PASSPORT, an independent certification system.

While unveiling R|Elan™ EcoGold with CiCLO® for the fashion industry, Mr Gunjan Sharma, CMO - Polyester Division, RIL, said: "Innovation and sustainability are at the core of our R|Elan™ initiatives. To further strengthen the core, we have introduced a new path breaking solution in sustainable fashion - R|Elan™ EcoGold with CiCLO® that will help fight issue of textile waste, conserve environment and at the same time satisfy the consumer needs of style and sustainability. We are using one of the leading CiCLO® technology of Intrinsic Advanced Materials that makes R|Elan™ EcoGold based fabrics to degrade under specific conditions, thus reducing the persistence of textile accumulation in landfills."

On the collaboration with Reliance and R|Elan™ EcoGold, Mr Alastair Drew, Intrinsic Advanced Materials: "CiCLO® collaborated with Reliance to make products that people love and have a clear conscience about the impact that those products have on our earth. Together, we will make a meaningful impact, one step at a time. R|Elan™ EcoGold will help apparel retailers globally by giving them access to eco-friendly fibres that can be used to make garments that will meet the needs of conscious consumers.

R|Elan™ EcoGold with CiCLO® reduces the impact of textile waste on the environment. Now, get ready to take eco-fashion to the next level using R|Elan™ EcoGold with CiCLO®.

— FABRIC 2.0

# FASHION FOR THE ECO-CONSCIOUS

Environment-friendly fabric that disintegrates into natural elements under controlled conditions.

Take your sustainable fashion quotient to the next level.



Bio-enhanced to protect the Earth's ecosystem



Sustainable technology to reduce waste accumulation in landfills and oceans



Environment friendly and easy care



[www.r-elan.com](http://www.r-elan.com)

**R|Elan™**  
Fabric 2.0

EcoGold

WITH  
**CiCiO**  
FUNCTIONAL. SENSIBLE. SUSTAINABLE.



[r.elan.official](https://www.instagram.com/r.elan.official) | [RElanOfficial](https://www.facebook.com/RElanOfficial) | [RElanOfficial](https://www.twitter.com/RElanOfficial)

To associate, kindly reach out to us on  
[r.elan.innovations@zmail.ril.com](mailto:r.elan.innovations@zmail.ril.com)

Product Development Support | Value Chain Support | Go-To-Market Support

# Pure Chemicals boosts sustainability and competitiveness

BTT Interview



*Born from a passion for innovation in 2018, Pure Chemicals has become a leading name in Bangladesh's denim washing and textile auxiliary market. As the exclusive partner of SOKO Chimica-Italy, Pure Chemicals brings a commitment to consistent excellence.*

*Md. Forhad Hossan, CEO, Pure Chemicals has been leading the innovative trading company. Recently Forhad Hossan shared his in-depth dimension and future vision of the overall washing and textile processing industry and Pure Chemicals journey with Textile Today. Here is the essence of the conversation for the readers.*

**DO IT IN DRYER, DO IT FASTER!**

# DIAMOND

**THE LUMIA RAGS  
IN DRYER**



**THE TOWEL TOUCH  
WHICH MAKES  
YOUR WASHING  
ABRASION BRIGHTER!**



**An Agent For**  
**Soko**  
CHEMICALS

PURE CHEMICALS  
House-53 (Elyria, Apt-B1), Road-13,  
Sector-10, Uttara, Dhaka-1230  
T. +88 02 55091987  
M. + 88 01713171554  
forhad@purechemicals.com.bd  
www.purechemicals.com.bd

**Textile Today: Can you please share with us about your journey from the very beginning? Please tell us about Pure Chemicals.**

**Md. Forhad Hossan:** I started my career back in 2008. With over 15 years of experience leading global textile chemical companies, I honed expertise in customer needs, product lines, and garment washing sustainability. This knowledge fueled the launch of Pure Chemicals as an innovative trading company.

Pure Chemicals is dedicated to providing the best quality product at the best price along with robust technical support and a top-notch system with the highest ethical and professional standards by maintaining international regulation with a mission to be a leader in the textile and washing industry in Bangladesh.

From the very beginning of Pure Chemicals journey, we distanced ourselves from providing conventional solutions. Rather, we focused on R&D and innovation-driven solutions for the washing industry

**Textile Today: Please tell us about SOKO & its initiative towards sustainability.**

**Md. Forhad Hossan:** Italy-based, SOKO Chimica-Italy is a 100-year-old leading chemical company. Providing innovative chemical auxiliaries/solutions for fashion and the textile industry. SOKO's constant research for sustainable and innovative solutions from best-sourced raw materials - made it one of the most active companies in the textile chemical sector. Providing premium quality solutions for the denim washing sector.

**Textile Today: Please tell us about the innovations of SOKO. How SOKO can help the Bangladesh washing industry become more sustainable?**

**Md. Forhad Hossan:** Sustainability is the ultimate way forward for the textile chemical company. To ensure sustainability SOKO

Chimica uses only certified and safe premium quality raw materials coming from reliable chains. The results have continuously pursued new challenges to supply eco-friendly products that are ZDHC level-3, OEKO-TEX, GOTs, REACH and ECO PASSPORT certified.

**Textile Today: In this competitive market how Pure Chemicals can help the washing Industry to become more competitive?**

**Md. Forhad Hossan:** Pure Chemicals is dedicated to providing the best quality product at the best price along with robust technical support and a top-notch system with the highest ethical and professional standards by maintaining international regulation with a mission to be a

---

*Pure Chemicals is dedicated to providing the best quality product at the best price along with robust technical support and a top-notch system with the highest ethical and professional standards by maintaining international regulation with a mission to be a leader in the textile and washing industry in Bangladesh.*

---

leader in the textile and washing industry in Bangladesh.

Our top-notch production-friendly solutions are suitable for the local washing and textile processing industry. For example, Pure Chemicals provide cellulose-based Bio-Polishing enzymes for stonewash - which significantly reduces cost. Its success rate is 100% in indigo fabric. Besides, it reduces other issues like slasher problems in ETP's while using pumice stone.

Another top solution is 'Black Magic' by SOKO, which optimizes the Sulphur bleach by reducing the processes. Instead of two/three conventional baths - Black Magic requires a single bath at

low temperatures. Saving time (30 minutes), less fabric stress, less dangerous chemicals, ensuring energy saving and giving black denim a better hand-feel.

Overall, a practical and cost-effective solution for the denim market.

**Textile Today: What is your vision for the future of your company? How do you plan for the upcoming years?**

**Md. Forhad Hossan:** I have taken the path of slow and steady as the future vision of my company. As a premium category solution provider, we mainly target premium manufacturers. In 2024, I want to grow my business by 50%.

Moreover, I have a plan to start a local production facility in 2027. This will greatly enhance Bangladesh's washing and textile processing industry. I will import the raw materials and produce processing chemicals here.

The recent global crises like COVID and supply chain challenges have taught us to be self-reliant.

As a 20-year-old industry veteran, I understand the denim sector's demands, quality and other crucial aspects.

**Textile Today: How does your company prioritize customer satisfaction and ensure that your clients receive the support and expertise they need to succeed in their operations?**

**Md. Forhad Hossan:** We have an extensive range of products that ensures customers receive top-quality solutions at competitive prices, backed by unparalleled technical support.

In addition, as SOKO is my Principal, we have a standby technical team to deliver support anytime and anywhere. Thus solving any issue the customer faces.

With a focus on upholding international standards, Pure Chemicals empowers the industry to achieve textile perfection, every time.



# BGAPMEA to hold election for the first time, panel announced

## **N. Tania**

For the first time, Bangladesh Garment Accessories and Packaging Manufacturers and Exporters Association (BGAPMEA) is going to hold election to choose leaders for making the organization smart and dynamic to provide all out supports to its members to overcome the existing challenges and march forward.

To compete in the election for the period of 2024-26, with the support of former presidents and like-minded members a panel titled Election for Unity announced in a programme on Thursday (28 March).

Former BGAPMEA President Abdul Kader Khan announced the panel name and leader.

In my tenure, we have make the sector most effective and work for the members. To take the sector to next level an efficient leader like Shahriar is very crucial, said Kader.

Our guiding and blessings will be with him and he would make the industry more disciplined and modern, he added.

He is well connected to members and young generation are actively working for the country, he added.

Former President of BGAPMEA Rafez Alam Chowdhury, Iqbal Hossain, Safiullah Chowdhury, were present among the others.

Md Shahriar, Managing Director of Adzi Trims Ltd, a sister concern of Indet Group, will lead the panel in the next election to be held on May 11, 2024.

Shahriar is a former Director of BGAPMEA, Co-Chairman - Backward Linkage at the Federation of Bangladesh Chamber of Commerce and Industry (FBCCI) and General Secretary of Bangladesh Apparel Youth Leaders Association (BAYLA).

Besides the dynamic leadership in several trade organizations, Shahriar is actively engaged in various



*Figure: Md Shahriar, Managing Director of Adzi Trims Ltd. will lead the panel in the next election.*

social and humanitarian organizations.

As an entrepreneur Shahriar has mastered the art of running an organization successfully with more than 15 years of wide-range experiences within the apparel trims and accessories.

For his outstanding contribution in exports of trim and accessories items, Shahriar was awarded Youth Entrepreneur Award 2022, BGAPMEA. He also received The Bizz Entrepreneurial Award 2023 and was named in JCI TOYP (ten outstanding young persons of Bangladesh) -2021.

On February 13, the BGAPMEA declared a schedule for election and formed a board to conduct a poll for the 2024-26 period to be held on May 11, 2024.

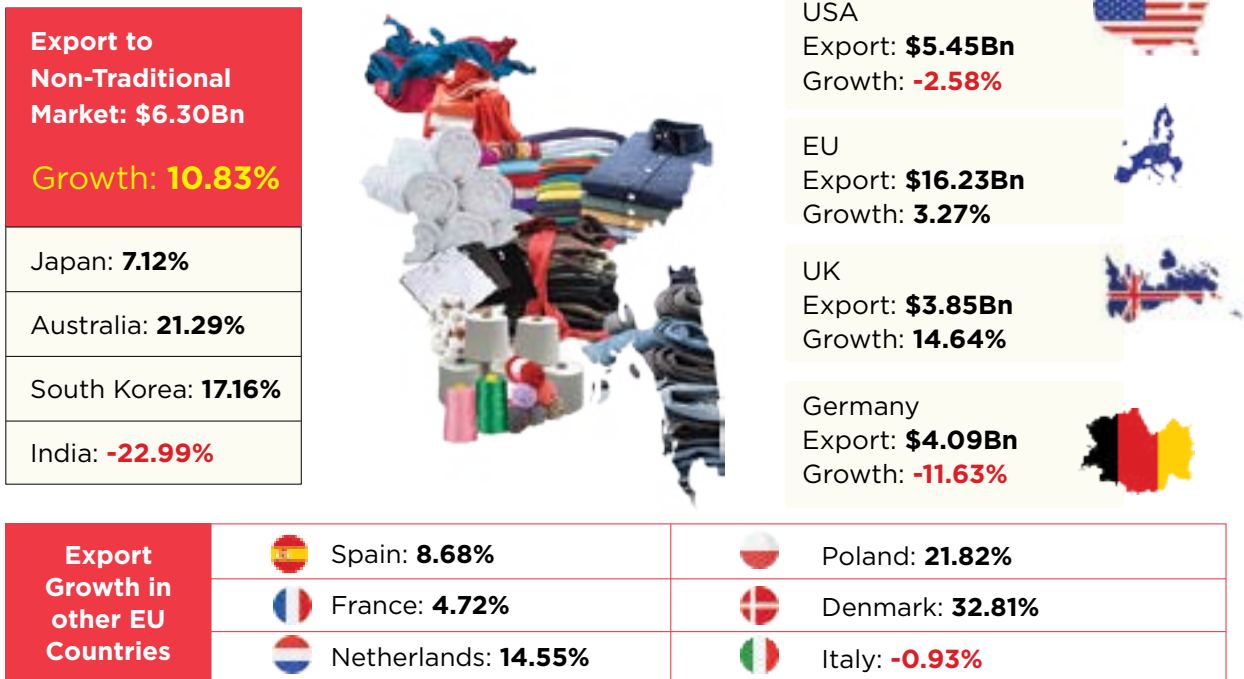
The election board will be headed by Dr. Md Razzaqul Islam, BPAA, Deputy Secretary (Admin-5) Ministry of Commerce.

Other members of the board are Ashrafur Rahman, Deputy Secretary (Budget) and Tania Islam, Deputy Secretary (Export-Wing) Ministry of Commerce.

# Apparel exports to US fall by 2.58% in 8 months

Arif-uz-Zaman

## Apparel Export To Major Destination Jul-Feb 23-24



Apparel exports to the United States fell 2.58 percent year-on-year to \$5.46 billion in the July-February period of the current fiscal year according to data compiled by the Export Promotion Bureau and Bangladesh Garment Manufacturers and Exporters Association.

However, apparel exports to the European Union, the largest trade bloc for Bangladesh, reached \$16.23 billion, a year-on-year growth of 3.27 percent in the July-February period of the 2023-24 fiscal year.

According to the National Retail Federation (NRF), the largest US retailer platform, sales at apparel and accessories stores rose 0.51 percent month-on-month and 8.05 percent year-on-year in February.

After the Russia-Ukraine war, US apparel imports fell sharply as US inflation soared. Apparel sales are starting to pick up in the U.S. economy, thanks to the market's recent recovery.

At the same time, apparel exports to the UK and

Canada reached \$3.85 billion and \$998.77 million, up 14.64 percent and 1.81 percent year-on-year, respectively.

Apparel export to Spain, France, Netherlands, Poland and Denmark also grew by 8.68 percent, 4.72 percent, 14.55 percent, 21.82 percent and 32.81 percent respectively.

Despite increase in apparel exports to European Union, exports to Germany is negative as usual. Apparel exports to Germany, the EU's largest market, fell 11.63 percent year-on-year to \$4.09 billion. Apparel exports to Italy also fell 0.93 percent year-on-year in the July-February period.

During this period, garment exports to non-traditional markets increased by 10.83 percent to \$6.30 billion. Among major non-traditional markets, exports to Japan, Australia and South Korea increased by 7.12 per cent, 21.29 per cent and 17.16 per cent respectively, while India fell by 22.99 per cent.



Figure: MA Jabbar, Managing Director of DBL Group and high officials of LEVI'S and DBL launched the store.

# Levi's® opens first store in Bangladesh

**Sayed Abdullah**

Globally iconic denim lifestyle brand, Levi's® announced the opening of its first store in Dhaka, Bangladesh. Situated in the bustling district of Banani Road, the Levi's® store boasts an elevated brand and shopping experience as well as a diverse product assortment that is catered to the local consumer.

As Levi's® continues its expansion across key markets in Asia, the new store in Dhaka is in tandem with the brand's plans to open stores in key locations in Bangladesh, including Chittagong. DBL Group, one of the largest conglomerates in Bangladesh, will serve as the official partner for Levi's® in the country.

Designed to embody the essence of Levi's® timeless style, the Banani Road store spans an impressive 2270 square feet, serving as a premier destination for fashion-conscious individuals and denim enthusiasts alike in Bangladesh. Meticulously designed with the brand's cutting-edge NextGen Indigo store format, the store features the unique Ombre façade in a blue indigo gradient. The store seamlessly integrates digital

innovation, unique shopper experiences, and an exceptional product selection including denim, non-denims, and tops for both men and women tailored to regional preferences.

The store showcases Levi's® signature apparel and accessories, offering the latest range of fits for both men and women. With an array of iconic 501® jeans to timeless Trucker jackets, more relaxed silhouettes in line with the latest fashion trends, featuring options such as loose fits and Bootcut styles for men, as well as Loose fits and on-trend High-rise designs for women, the store caters to a diverse range of styles and preferences.

"Our first store in Dhaka, Bangladesh, marks an important chapter for Levi Strauss & Co.," said Amisha Jain, Senior Vice President and Managing Director, South Asia-Middle East and Africa (SAMEA), Levi Strauss & Co.

"This launch supports our direct-to-consumer focus and aligns with a dynamic market propelled by the consumer base and swift urbanization in cities

such as Dhaka and Chittagong. With a population exceeding 160 million, the country presents significant opportunities for retail expansion," Amisha Jain added.

"Our strategic market entry and distinctive strategies position us to forge a robust presence and foster sustainable growth. Consumers can anticipate an immersive Levi's® brand experience featuring a diverse array of styles tailored to their tastes. The Bangladesh city t-shirt is my favorite! Our goal is to become the preferred choice for lifestyle apparel among Bangladeshi consumers."

With its latest products, special modules, and a feature portfolio wall, this store epitomizes Levi's® dedication to enhancing brand expansion in Bangladesh and its direct-to-consumer strategy. Through immersive retail experiences, Levi's® endeavors to reinforce its status as the denim lifestyle leader in the region.

MA Jabbar, Managing Director of DBL Group, LEVI'S local franchisee, said, "We are incredibly proud. We are looking at expanding our footprint in the region.



Shin-Nakamura Chemical Co., Ltd  
Wakayama, Japan



## ZDHC Level-3 Printing Agents from Shin-Nakamura, Japan

**OEKO-TEX®**  
INSPIRING CONFIDENCE  
**ECO PASSPORT** 

# NK, NR, EL series

Represent in Bangladesh by:



**DYSIN GROUP**

Serving Bangladesh Textile Since 1984

**Corporate Head Office & Laboratory Services**

Skylark Point (3rd Floor), 24/A Bijoy Nagar 175 S.S. Nazrul Islam Soronee. Dhaka-1000.

Phone: 880-2-8316729, 8312049, 8315504, Fax: 880-2-934 8682, 836 1364

E-mail: [dysin@dysin.com](mailto:dysin@dysin.com), Web: [www.dysin.com](http://www.dysin.com)

**DYSIN IS THE PIONEER IN PIGMENT PRINTING TECHNOLOGY FOR THE TEXTILE & GARMENT EXPORT INDUSTRY SINCE 1984**

Presents

# Spinning Today

Unveiling industry best practices

Fiber to Yarn

April 2024

A Textile Today Initiative | Published with Volume 17, Issue 04 | Pages 79 to 94



Hanif achieves **10% Productivity Increase** thanks to Rieter After Sales

Spinners are experiencing challenge to stay alive

Investment in spinning sector slowed down

Is it possible to earn \$5bn from jute and jute products



U.S. COTTON  
TRUST PROTOCOL®

# JOIN NOW

## — SETTING A NEW STANDARD IN MORE SUSTAINABLE COTTON PRODUCTION

Launched in 2020, the U.S. Cotton Trust Protocol was designed to set a new standard in **more sustainably grown cotton**, ensuring that it contributes to the **protection and preservation of the planet**, using the most sustainable and responsible techniques. It is the only system that provides quantifiable, verifiable goals and measurement in **six key sustainability metrics** and article-level supply chain transparency.

The Trust Protocol provides **brands and retailers the critical assurances** they need to show the cotton fiber element of their supply chain is more sustainably grown with **lower environmental and social risk.**

### Trust in a smarter cotton future.



Learn more +  
become a member  
[TrustUSCotton.org](https://TrustUSCotton.org)

# Spinners are experiencing challenge to stay alive

**Sanjoy Kumar Saha**

The RMG export are increasing day by day in Bangladesh but the spinning industries still facing profitability crisis severely. In the last decades following the growth of the export oriented garments Industry Bangladesh spinning sector also made the expansion without analyzing the future market. Now, for the last 2 years the spinning sector is experiencing the real challenge to stay alive.

In the recent months, export oriented garments order has gone up a little bit but the buyers are not offering good prices. As a result, yarn prices are also low. Spinning mills therefore have to calculate loss per unit despite increase in garment orders. Almost all types of yarns except some fancy yarn orders are facing losses.

On the other hand, Bangladesh spinning mills are facing problems due to India supplying yarn at low price. Spinning mills also suffer from fiber shortages. Due to this every spinning mill is not able to utilize its full capacity. Dollar crisis is one of the reasons. Spinning mills are not able to open L/C for fiber or purchase fibre despite working capital limit.

As a result, a crisis is created in the fiber and this is the scenario for almost all the spinning mills. Diversified products or fancy yarns may be getting good prices in the case of spinning mills, however, mills are facing 20 cents loss at each unit for Cotton, CVC, PC and other regular yarn. Whereas mills are getting competitive price for slub, cyro, inject, Cotton-Modal, Cotton-tencel etc . As a result it can be said that except for fancy yarn spinning mills are facing losses for all regular yarn.

If the order quantity goes up, there will still be a hope for the spinners that they will try to mitigate losses as the RMG sectors will need support from this backward linkage industry. RMG makers will go for Bangladeshi spinners despite of having a little bit less price from India. As the quality and service of the Bangladeshi spinning mills are much more convenient for them than the same from India. If the export oriented garments industry wants to ensure smooth production and business they must have to have a very strong and healthy spinning industry.

On the other hand, gas prices increased a lot than it was a few years ago. Salary of the workers has also increased. For gas prices government can consider a little bit for them who are producing electricity using gas by their own. On the other hand, bank support is needed to utilize the full capacity by utilizing their full working capital limit.

Also, all the spinners must have to transform their product range from regular to diversified product at the soonest possible ways. This is the high time to take the decisions whether we will shut our floors one by one or we will rise again.



**Author:**

**Sanjoy Kumar Saha**

AGM (Industry Engagement)  
& Sub Editor, Textile Today

## The Team

**Tareq Amin**  
Founder & CEO

**Amzad Hossain Monir**  
Head of Business Development

**Rahbar Hossain**  
Business Development

**SN Abdullah  
Nurnahar Akter  
Arif-uz-Zaman**  
Research & Development

**Sanjoy Kumar Saha**  
Engagement & Communication

**Yeasin Mia**  
Graphic Design

**Zakir Hossain**  
Executive, Web & IT

**Ashrafal Alam**  
Cinematographer

**Md. Emon**  
Video Editor

**Md. Ariful Islam  
Md. Masudur Rahman  
Abir Basak**  
Editorial Contributions

### Inquiry:

M. +88 01775 999 748

E. monir@textiletoday.com.bd

W. www.textiletoday.com.bd

## 81 | ST Editorial

Spinners are experiencing challenge to stay alive

## 83-86 | ST Top Story



Investment in spinning sector slowed down

## 86 | Cotton Today

Brazilian cotton prices weak in mid-March

## 87 | Advertorial



US Cotton Trust Protocol bolsters grower support for sustainable cotton production

## 88-90 | Advertorial



Hanif achieves 10% Productivity Increase thanks to Rieter After Sales

## 90 | Event Review

Italian textile technology showcased in Indian symposia

## 91-92 | Jute Sector Updates

Bangladesh Jute & Jute Product Export Scenario			Global Demand is Increasing	
Earned \$313.1 mn, 90% of total export in 2022-23		Earned \$912.2 mn, 0.5% of total export in 2022-23		<ul style="list-style-type: none"> <li>Due to the growing demand for natural fibers</li> <li>Interiors of world famous luxury cars and airplanes are made with jute.</li> </ul>
Bangladesh produces 33% of the world's total jute and exports about 90% of raw jute				
Exports huge amount of raw jute at cheaper rate than jute products.				
Year	Export	Raw Jute	Jute Products	<b>Bangladesh's Opportunities</b> <ul style="list-style-type: none"> <li>Various jute products have gained popularity globally</li> <li>Produces eco-friendly special golden bags from jute</li> <li>Produces jeans (denim) of jute caught attention globally</li> <li>Manufactures 235 types products including sarries, lungis, salwar-kameez, purajabi, fitree, bather bags, toys, shoes/socks, walnuts, cones, nakshikantha, doormats, shoes, sandals, ropes, twine, door/window curtain cloth, jewelry and jewelry boxes.</li> </ul>
2021-22	\$112bn	\$216.1mn	\$903.9mn	
2022-23	\$912.2mn	\$204.17mn	\$708.03	

Is it possible to earn \$5bn from jute and jute products

## 94-95 | Traditional Textiles



History behind the world's most expensive vicuña wool

## 95 | Traditional Textiles

Jute Millers request 30% cash subsidy for machine upgrades

## 96 | News & Analysis



How third-country port warehouses boost Bangladesh's spinning industry

# Investment in spinning sector slowed down

*Gas shortage and volatile dollar exchange rate are to blame*

## Textile Today Analysis

The investment in the spinning sector has slowed down because of gas shortage and for volatile dollar markets over the last two years.

Last year, no new spinning unit was established in the primary textile sector of Bangladesh although the demand for local fabrics of both knit and woven has been increasing to shorten the lead time on export of garment items.

The garment exporters started preferring the locally spun knit and woven fabrics to imported fabrics as the use of local fabrics can reduce the lead time significantly.

For instance, if the fabrics are imported from China to be used for garment making in Bangladesh it takes nearly 40 days which is too long time considering the stiff competition by the suppliers worldwide.

But if the local fabrics and materials are used it takes only a few days or one or two days for processing as the local spinners supply easily from his or her factory.

The international clothing retailers and brands do not want to spare more lead time as they also have to compete with their peers in their respective countries.

However, the investment in such a vital sector has slowed down because of gas crisis and for volatile dollar exchange over the last two years mainly stemmed from covid 19 and Russia Ukraine war fallouts.

### **Current status of the spinning sector**

Currently there are 550 big spinning mills in the country with an investment of nearly \$15 billion. The total investment in the country's primary textile sector (PTS) that includes, spinning, weaving, dyeing, washing, finishing and printing, is nearly \$25 billion. Of them, only 200 are export-oriented.

The installed spinning capacity is 4,500 million kilogrammes, but they are manufacturing 2,400 million kgs of yarn currently as their full capacity can't be utilized because of the gas and power shortage. The local spinners have been expanding their capacity to a bit for meeting the demand.



*Figure: The investment in the spinning sector has slowed down because of gas shortage and for volatile dollar markets over the last two years.*

More than 60 weaving mills produce fabrics for the export-oriented garment sector. Local denim millers produce more than 700 million yards of fabrics per year, according to data from the Bangladesh Textile Mills Association (BTMA).

Setting up a new factory is time-consuming and it takes at least three years and costs Tk 700 crore to set up a medium-sized factory.

Most of the spinning mills are producing the cotton yarn and for knitwear sector where the local spinners can supply nearly 90 percent raw materials as more investment took place in the knit spinning sector.

From the very beginning the local spinners have mainly invested money in the cotton spinning sector as it was easy for them due to lack of knowhow in non-cotton yarn. As a result, of the total exported garment items from the country, some 71 percent is cotton made yarn and 29 percent is non-cotton yarn.

However, recently, the spinners have been investing money on non-cotton units aiming to grab more market of value-added garment items as the prices of non-cotton fibre made garment items are better than cotton made fibre garment.

## Key Takeaways

**550 big spinning mills** with an investment of nearly **\$15bn**

Only **200 are export-oriented** mills

Total investment in Primary Textile Sector is **\$25 bn**

Supplying nearly **90% raw materials** to knitwear sector, **45%** to the **woven sector**

In FY **2022-23, BD** imported woven fabrics worth **Tk36,527crore**

Installed spinning capacity is **4,500 million** kgs yarn

Manufacturing capacity is **2,400 million** kgs of yarn

## Challenges

Full capacity can't be utilized because of the **gas and power shortage**

More than 60 weaving mills produce fabrics for garment sector

Setting up any spinning mill requires more than **Tk500crore**

Volatile dollar exchange rate playing negative role in investment

Govt doubled the gas price



The spinners can supply nearly 90 percent raw materials to knitwear sector and 45 percent to the woven sector while the remaining demand is met through import mainly from India, China and Pakistan.

### Impact of slow investment in spinning sector

The impact of the slowdown in investment in spinning sector is dangerous. Because, the country's \$46.99 billion worth of garment items is largely dependent on the PTS integration.

The local garment exporters will have to import the yarn and fabrics with spending billions of dollars from other countries like from India, Pakistan and China.

For instance, in the fiscal 2022-23, Bangladesh imported woven fabrics worth Tk36,527crore to meet the demand of the local garment exporters, the BTMA data also said.

This is a segment of the total import of raw materials. If the amount of other sectors like yarn, knit fabrics and yarn are also added, the amount will be even higher.

Slowdown in investment will also impact on the technology knowhow and the garment sector will be dependent on the imported fabrics and yarn which will also impact the lead time.

As a result, the international retailers and brands may

not choose Bangladesh as a preferred destination for sourcing the garment items.

Moreover, the local markets which is also billions of dollar worth will face a lot of smuggled in from other countries which might be a threat for the country's industry.

### Reasons for slow investment

Mainly for three reasons the investment in the spinning sector declined in the country over the last two years including gas crisis, volatile dollar exchange rate and for lower demand from the garment exporters.

For instance, many of the spinning mills have been running their production at 50 percent capacity because of the gas crisis in the industrial sector. As a result, the cost of production has gone high and the production has lowered for which the industry owners cannot make profit from the sales of the yarn.

Although the production fell in the spinning sector, but the government doubled the gas price in February in 2023 to Tk30 from Tk16 per unit. But the gas supply situation did not improve to the expected level.

The volatile dollar exchange rate has also a negative role in inflow of investment in the spinning mills.

# FROM WASTE TO VALUE



## The first full-liner for recycling

Giving new life to old clothes and fabrics can save resources while helping to protect our planet. Trützschler is able to provide a complete line-up of technologically leading machinery that is specifically developed for rotor and ring yarns from recycled materials. Thanks to our new cooperation with Balkan Textile Machinery. INC.CO, we can also offer our customers a tearing line.

As the first full-liner in spinning preparation for recycling, we actively contribute to closing the loop for our customers.

truecycled®

**TRÜTZSCHLER**  
S P I N N I N G

Many entrepreneurs have opened Letters of Credit (LCs) for importing the machinery when the dollar rate was lower and hovering around Tk86 and Tk87 per US dollar before the outbreak of the Russia Ukraine in February in 2022.

However, the war impacted the dollar exchange rate severely and the rate reached to Tk111 and Tk112 per US dollar in officials which made the import expensive for the entrepreneurs.

Moreover, the dollar is not even available at the official rate for which the entrepreneurs have to buy the dollar at Tk123 from the unofficial channels and even from the banks to import capital machinery.

The western clothing retailers and brands experienced a dull sale seasons because of historic inflationary pressure stemmed from the severe fallouts from the Covid-19 pandemic and Russia Ukraine war.

As a result, the inventory of unsold stock of garment items was high in the stores of them for which the export of garment items was also low from Bangladesh.

As a result, the garment makers bought lower quantity of fabrics and yarn from the PTS in Bangladesh which also badly impacted in investment in the spinning sector.

#### Views of industry insiders

Khorshed Alam, chairman of Little Star Spinning Mills Ltd, also said the volatile dollar exchange rate,

gas shortage and stockpiling of old unsold garment items in the stores in the western countries impacted badly in the inflow of investment in the spinning sector.

Moreover, the higher increase of gas price impacted badly in the investment as the profit declined. The spinning sector needs uninterrupted supply of gas for making profit and to run in full capacity, Alam said.

Monsoor Ahmed, Chief Executive Officer of BTMA also echoed with the views of Alam. Even in the time of Covid-19 time few spinning mills were established but in 2023 no new unit was set up mainly because of gas shortage and volatile dollar exchange rate.

Available huge fund from the banking sector for establishing a spinning unit is also a challenge because setting up of even a small spinning mill requires more than Tk500crore which is difficult to available now at lower interest rate from the banking sector, he added.

In fine, spinning is the backbone for the local textile and garment industries and it needs good care of the sector. The uninterrupted gas supply to the spinning mills is very important for using its full capacity and for more investment.

The spinners are losing money as they have been running at 50 percent capacity due to gas shortage. The government should manage gas for the spinning sector at affordable prices so that they can make profit and expand their capacity and can go for new investment.

## Brazilian cotton prices weak in mid-March

### Nurnahar Akter

In February, Brazilian cotton market witnessed robust sales of manufactured products, but a noticeable slowdown occurred in mid-March as purchasers stepped back from spot market trades.

Because of this retreat, there is less liquidity, which has complicated the dynamics of the market. A research from the Center for Advanced Studies on Applied Economics (CEPEA) states that changes in international pricing have further kept pressure on domestic cotton prices.

An important benchmark for cotton prices, the CEPEA/ESALQ Index, fell sharply, by 3.26 percent, from its position on February 29 to BRL 4.2223 (-\$0.84) a pound on March 15.

Market participants attribute the reduced trading volume to the ongoing disputes over quality and pricing between buyers and sellers.

Export parity figures from CEPEA reveal a slight decline in the Free Alongside Ship (FAS) rates, with a 0.39 percent decrease observed between March 4 and March 11.



At the port of Santos, the rate adjusted to BRL 4.5505 (-\$0.90) per pound, while at Paranaguá, it settled at BRL 4.5611 (-\$0.91) per pound.

According to agricultural estimates from the Brazilian National Supply Company CONAB, Brazil's cotton industry has a bright future, as the country's allotted area for cotton cultivation is predicted to grow by 16.3% from the previous season to a record 1.936 million hectares in 2023-24.



Charles "Chaz" Holt  
Director of Field Programs



Tillman White  
Program Manager



Bailey Nesmith  
Grower Enrollment Specialist,  
High Plains & West



Maryn Findley  
Grower Enrollment Specialist,  
Southeast



Willis Frazer  
Grower Enrollment Specialist,  
MidSouth

## US Cotton Trust Protocol bolsters grower support for sustainable cotton production

### N. Tania

The U.S. Cotton Trust Protocol is growing its field-level team to provide more specialized and localized support to US cotton growers who are participating in the voluntary Climate Smart Cotton Program.

This includes helping producers submit their applications for the Climate Smart Cotton Program by midnight on April 30 and complete their enrollment in the Trust Protocol and data entry.

The team will be led by Charles "Chaz" Holt, the Director of Field Programs, with Tillman White acting as the Program Manager.

The team has also expanded to include field-level Grower Enrollment Specialists, who will offer networks and resources specific to the cotton sector in addition to customizing their services to the particular requirements of the Cotton Belt region they service.

Daren Abney, Executive Director of the US Cotton Trust Protocol said, "Each region of the cotton belt presents its own distinct set of opportunities and challenges, with

no one-size-fits-all approach to production."

In 2023, we experienced our largest enrollment of planted U.S. Cotton acres yet, which further underscores our producers' commitment to sustainability and progress. As we move forward, our field-level team is available to offer regionally relevant support to growers as they make continuous improvements, he added.

This momentum builds on the expansion of US Cotton worldwide supply chain membership, which numbers over 2,000 mill and manufacturer members in addition to over 40 firms and their brands.

Nearly a quarter (23%) of the Cotton Belt, or more than 1.7 million planted cotton acres, were included in the Trust Protocol for the 2023 crop year.

Growers can also apply for the Climate Smart Cotton Program during enrollment, which offers farmers technical and financial support to lower the risk of adopting and implementing Climate Smart Agriculture techniques while potentially lowering costs and

increasing efficiency.

For brands and retailers, the program aims to help support efforts to improve their greenhouse gas emissions reductions and reporting.

The Climate Smart Cotton program began less than one year ago and has already approved applications for 778 farming entities in Level 1 of the 1,650 available, including 330 from historically underserved communities.

Growers are encouraged to get started today as applications are reviewed on a first-come-first-serve basis.

The U.S. Cotton Trust Protocol is the voluntary sustainability program for U.S. cotton growers, and traceability platform for all U.S. Cotton. It is the only system that provides quantifiable, verifiable goals and measurement and drives continuous improvement in six key sustainability metrics – land use, soil carbon, water management, soil loss, greenhouse gas emissions, and energy efficiency.

# Hanif achieves 10% Productivity Increase thanks to Rieter After Sales

## Rieter Story

Hanif Spinning Mills Ltd. in Bangladesh achieved a remarkable 10% increase in its ring spinning productivity, thanks to a 50% reduction in doffing time and an impressive 80% decrease in yarn breaks during restart. Rieter After Sales solutions do not only improve performance but contribute to the sustainability of spinning mills.

***“The guiding arm refurbishment and doffer kit solution offered by Rieter helps us increase productivity by 10%. It improves the working performance of the machine by reducing the operators’ intervention significantly. We are planning to implement these conversions for the remaining 26 ring spinning machines.”***



**Mohammed Hanif**  
Managing Director, Hanif Spinning Mills Ltd



*Figure 1: Guiding arm refurbishment and doffer maintenance kit on ring spinning machine for improved performance*

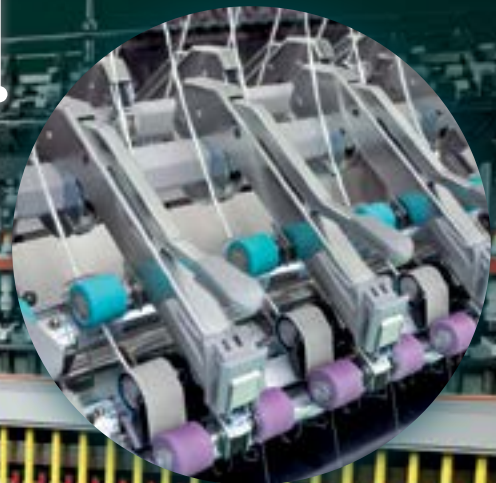
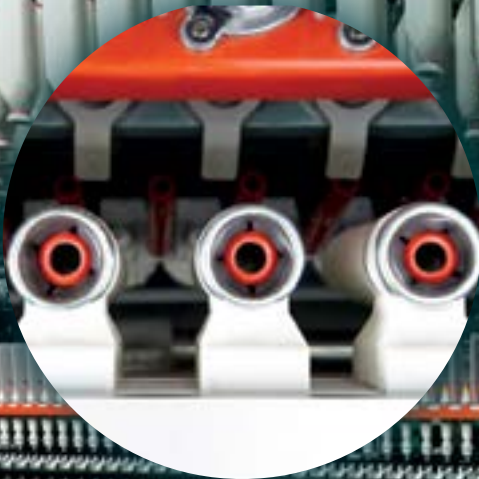
Hanif Spinning Mills Ltd. is renowned for its ability to consistently produce the best Ne 20 to 40 yarn in their segment in Bangladesh. The company has been running its ring spinning machines G 33 for over 20 years. Due to the aging of the components in critical areas of drafting and doffing, the customer faced two major challenges that affected the machine’s performance and the operators’ efficiency, resulting in decreased production output. The first

challenge was the load variation and random lifting of guiding arms which occurred due to key components that were worn out. This led to quality inconsistency between spindles, undrafted roving, fiber lapping on top and bottom rollers and increased yarn breaks during running. To overcome this issue, the customer was forced to maintain a higher drafting load of above 2.6 bar. A second challenge was the inefficient doffing cycle due to unwanted machine stoppages

# Make the Difference

## Guiding arm refurbishment

Uniform drafting load across the machine for better yarn quality



## Doffer maintenance kit

Increasing productivity with a consistent doffing performance

## Rieter After Sales solutions improve machine performance significantly

The perfect blend: The combination of the guiding arm refurbishment and doffer maintenance kit improves ring spinning machine performance, resulting in increased productivity and consistent yarn quality. Scan the QR code to learn more.



<https://Lead.me/belmxn>

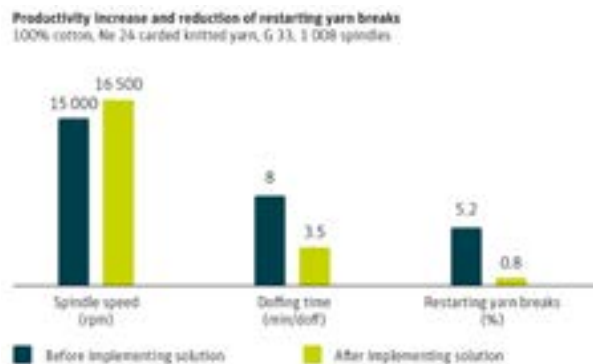


Figure 2: Impressive increase of machine performance after revision of guiding arm and doffer

and manual intervention, resulting in reduced machine efficiency and an increase in restarting yarn breaks. The frequency of the doffer operation is higher due to the coarse yarn count being processed. Hence, the impact of the doffering cycle time is key to machine efficiency.

**A solution with impact**

The Rieter after sales team offered two solutions: the guiding arm refurbishment and the doffer maintenance kit. The guiding arm refurbishment consists of the pressure hose, top levers, pressure saddle and other technological components. This helps restore the original performance of the drafting system by ensuring a uniform load across the machine, resulting in stable drafting and consistent yarn quality.

The doffer maintenance kit consists of key doffer related components that help retain the doffering cycle time to its standard level of 180 seconds without any manual intervention.

**Ensuring consistent yarn quality while increasing productivity**

After the implementation of these maintenance kits on two machines (Fig.2), performance improved significantly. The guiding arm refurbishment enables load uniformity across the machine. Performance is ensured as all guiding arms are pressed evenly and the drafting pressure is maintained between the recommended 2.3 and 2.4 bar.

The doffer maintenance kit delivers the benefits of keeping doffering cycle time consistently low without any intermediate stoppages and always ensuring smooth doffering. To reduce the installation time, the doffer maintenance kit was delivered with pre-assembled parts. The implementation of these two solutions resulted in an increase of 10% in production due to the higher spindle speed and increased machine efficiency.

The spindle speed has been enhanced by 1 500 rpm because of the uniform drafting operations without any undrafted roving, without lapping and reduced restarting and running yarn breaks, which leads to raw material savings.

The doffering time has been reduced by more than 50% and the restarting yarn breaks by around 80%, resulting in increased machine efficiency (Fig.2). Replacing worn-out and aged parts helped restore the original performance of the ring spinning machines.

This supports customers in optimizing the performance of their operations. It further contributes to the sustainability of spinning mills by extending the lifetime of Rieter machines.

# Italian textile technology showcased in Indian symposia

**Nurnahar Akter**

India's textile sector has historically depended on Italian textile technology as a trustworthy partner. A recent promotional drive seeks to strengthen textile-related commercial links between the two nations.

Eleven Italian producers of textile machines presented at the technological symposia that were set for April 9-12 in New Delhi and Mumbai.

The Ministry of Foreign Affairs and International Cooperation supported the two events, which was hosted by the Italian Trade Agency and gave Italian companies a chance

to present their most advanced technologies to a limited group of Indian textile entrepreneurs.

The textile sector is of great significance in the Indian economy, contributing more than 2% of the GDP and allowing the Country to be among the world largest exporter of textile and apparel items.

Marco Salvadè, President of ACIMIT said, "In India textile sector is steadily developing, not only in terms of traditional textiles. These symposia will provide an opportunity to highlight the supply of Italian manufacturers, who are at the forefront especially

in sustainability and digitization of production processes."

India imported textile machinery worth approximately 200 million euros from Italy in 2022. The value for the first nine months of 2023 is slightly lower than the value for the same time the year before, but the prediction for the current year is still optimistic.

Italian companies participating in the symposia, all of which are ACIMIT members, are: Autefa, Cubotex, Danitech, Lafer, Mcs, Monti-Mac, Reggiani Macchine, Salvadè, Savio, Sicam, Testa.


# Is it possible to earn \$5bn from jute and jute products

**Arif-uz-Zaman**

Bangladesh Jute & Jute Product Export Scenario	
Earned <b>\$313.1 mn,</b> <b>90%</b> of total export in <b>1972-73</b>	Earned <b>\$912.2 mn,</b> <b>0.5%</b> of total export in <b>2022-23</b>

Bangladesh produces **33%** of the world's total jute and exports about **90%** of raw jute

Exports huge amount of raw jute at cheaper rate than **jute products**.



Year	Export	Raw Jute	Jute Products
2021-22	\$1.12bn	\$216.1mn	\$903.9mn
2022-23	\$912.2mn	\$204.17mn	\$708.03

Bangladesh can multiply jute export earnings by reducing raw jute export and focus more on export of jute products, however, investment is needed to install modern machinery and equipment.

### Global Demand is increasing

- » Due to the growing demand for natural fibers
- » Interiors of world famous luxury cars and airplanes are made with jute.
- » WTO directed car manufacturers to use eco-friendly jute instead of glass, asbestos and plastic used in car bodies.

### Bangladesh's Opportunities

- » Various jute products have gained popularity globally
- » Produces eco-friendly special golden bags from jute
- » Produces jeans (denim) of jute caught attention globally
- » Manufactures 235 types products including sarees, lungis, salwar-kameez, punjabi, fatwa, bahari bags, toys, showpieces, wallmats, scenes, nakshikantha, doormat, shoes, sandals, ropes, twine, door-window curtain cloth, jewelry and jewelry boxes.

In the fiscal year 1972-1973, Bangladesh jute and jute products earned \$313.1 million out of its total \$348.4 million of export which is about 90 percent of the total export. With the evolution of time, the glory of jute industry of our country has slowly faded. In the 1990s, where jute production was on 12 lakh hectares, it gradually reached 4-4.5 lakh hectares. However, there is hope, due to environmental awareness, eco-friendly products, immense potential of natural fibers and the demand of jute products in the world market, the cultivation and production of jute is increasing again. In 2022-23 fiscal year,

Bangladesh earned \$912.2 million from the jute sector. But is it possible to take it to \$5 billion?

***Due to the growing demand for natural fibers in the world, the demand of jute and jute products is constantly increasing. Even the interiors of world famous luxury cars and airplanes are made with jute.***

Bangladesh produces 33 percent of the world's total jute and exports about 90 percent of

raw jute. From this it can be easily inferred that Bangladesh exports huge amount of raw jute at cheaper rate than the jute products. According to the Export Promotion Bureau (EPB) data, Bangladesh has earned \$1.12 billion by exporting jute and jute products in the fiscal year 2021-22. Out of this, the income from raw jute export is only \$216.1 million which was \$204.17 million out of \$912.2 million in 2022-23.

However, various jute products made in Bangladesh have gained popularity all over the world. Eco-friendly special golden bags are made from jute and jute waste cellulose. Jeans (denim) made

of jute have caught the attention of fashion conscious people all over the world. Jute geotextile is produced by mixing coconut husk with jute cuttings and low quality jute in certain proportions.

Jute is used to manufacture 235 types products including sarees, lungis, salwar-kameez, punjabi, fatwa, bahari bags, toys, showpieces, wallmats, scenes, nakshikantha, doormate, shoes, sandals, ropes, twine, door-window curtain cloth, jewelry and jewelry boxes.

Bangladesh is now earning \$1 billion from raw jute and above mentioned products. If we reduce the export of raw jute and focus on manufacturing and exporting these products then our current

export can be multiplied easily.

Due to the growing demand for natural fibers in the world, the demand of jute and jute products is constantly increasing. Even the interiors of world famous luxury cars and airplanes are made with jute. The World Trade Organization-WTO has directed car manufacturers to use eco-friendly jute instead of glass, asbestos and plastic used in car bodies.

The main program of Jute Day was celebrated at Bangabandhu International Conference Center on March 14 this year. On this occasion, Hon'ble Prime Minister highlighted several aspects to increase the production and export of jute. She emphasized on

increasing the production of jute and jute products and product diversification and urged to find new markets for the export of golden fibers. She also announced incentives for export products made from jute.

At this time, if entrepreneurs are interested and invest in the production and export jute products instead of exporting our own raw materials, it is possible to bring back the golden past of jute and earn huge foreign currency. However, investment is actually needed to install modern machinery and equipment. Most of the jute mill machinery in our country is of old model. Global demand and competition with these old machinery will not be possible for long.

# Jute can be the way to earn ample amount of forex: PM

**Prime Minister Sheikh Hasina has commented that golden fiber jute can make a great contribution to our economy.**

**N. Tania**

The Prime Minister said that jute is one such environmental friendly product that has been created due to climate change in the present era. On one hand, jute is like an agricultural product, on the other hand, this jute is the raw material of our industry. Which is completely our domestic product. If we can use this domestic product properly then this jute can be the way for us to earn a lot of foreign currency.

She said this at the main event of Bangabandhu International Conference Center (BICC) Jute Day in the capital on Thursday (March 14) morning under the theme of 'Bangabandhu's golden country, Bangladesh of smart jute

industry'.

Earlier, Prime Minister Sheikh Hasina attended the program organized on the occasion of National Jute Day at 10 am. Prime Minister attended as the chief guest and inaugurated the main event. She also inaugurated the commercial production activities of six mills of BJMC scheduled for lease.

In the event, 11 individuals and organizations were awarded in 11 categories this year for continuing the prosperity of the jute sector and for making special contributions to the sector. Apart from this, a memorandum of appreciation was given to the stakeholders involved in jute.



*Figure: Prime Minister Sheikh Hasina handed over mementos to representatives of 11 individuals and organizations on the occasion of National Jute Day.*

On the occasion of Jute Day, a multi-purpose jute product exhibition and fair has been organized from March 14 to 16 at Bangabandhu International Conference Centre.

**Accotex**

# Make the Difference



## Trendsetter for today's spinning mills

Accotex cots & aprons distinguish by an excellent performance and thus guarantee the production of a stable yarn quality over the whole product lifetime. The perfect running behavior is featured by less laps, less ends downs and less unbound fibers.

[www.accotex.com](http://www.accotex.com)

# History behind the world's most expensive vicuna wool

**Shafiun Nahar Elma**

Vicuna wool, the world's rarest and most expensive fibre, is synonymous with the high Andes Mountains, especially in Peru. These creatures inhabit the laborious alpine terrains and are closely related to guanacos and alpacas. The charm of vicuna wool lies in its exceptional warmth, silky texture, and natural sheen, making it perfect for competing in the freezing Andean climate.

The history of Vicuña wool dates back to the Inca civilization. Vicuñas were once considered sacred, and their hunting was forbidden, with only royalty allowed to wear their precious fur, a symbol of opulence akin to gold. At the height of the Inca Empire, roughly 2 million Vicuñas roamed the vast Altiplano region, spanning Peru, Bolivia, and northern Argentina.

However, the arrival of Spanish conquistadores in 1532 led to the discovery of Vicuña fleece, putting these animals in danger. Peru established the Pampa Galeras National Reserve in 1967, covering 16,000 acres to safeguard them.

By 1974, only around 6,000 vicunas were left because of fortuitous hunting and illegal embezzling. Stringent conservation efforts, including strict anti-poaching laws, helped increase their numbers to around 350,000. Today, Vicuña wool is prized as the world's most luxurious. The Convention on International Trade in Endangered Species (CITES) classified the Vicuña as 'most endangered,' banning international wool trade in the year 1975.



Figure 1: Prices for vicuna fabrics can range from \$1,800 to \$3,000 per yard. Courtesy: Collected.



Figure 2: Vicuna wool, the world's rarest and most expensive fibre, is synonymous with the high Andes Mountains, especially in Peru. Courtesy: Collected.

Peru took a unique conservation approach, entrusting rural villagers to become custodians of these animals, allowing them exclusive rights to shear and sell the wool. CITES now ensures that Vicuñas are sheared alive and released into the wild, with a three-year waiting period between shearings. This success story exemplifies how dedication, conservation, and global cooperation can preserve precious natural resources.

Vicuñas hold an extraordinary position in Peruvian culture, as they are the country's national animal, proudly featured on the flag, coat of arms, and coins. Vicuna wool has been a popular commodity for centuries, renowned for its remarkable quality and exceptional performance compared to other fibres.

## What makes the vicuna wool unique

**Softness and Durability:** Vicuna wool is resilient, soft, and long-lasting. It can withstand over 20,000 bends before showing signs of wear.

**Eco-Friendly:** Unlike leather products, vicuna wool is environmentally friendly and cruelty-free.

**Elasticity:** Vicuna wool has exceptional elasticity, retaining its shape even after numerous washes.

Currently, unprocessed vicuna wool is sold for \$400 per kilogram. In contrast, a single-sheared alpaca yields up to 3 kilograms of yarn, while the smaller vicuna produces a minimum of 160-190 grams. In 2019, Peru generated \$3 million by exporting 7 tons

## Traditional Textiles

of vicuna wool, in contrast to \$300 million from alpaca exports.

Gathering vicuna wool is a meticulous and slow process. Prices for vicuna fabrics can range from \$1,800 to \$3,000 per yard. The harvesting process presents unique challenges:

**Harvesting Time:** The vicuna's delicate fleece takes approximately three years to grow back after shearing, and a single animal yields only about 0.5kg of wool per year.

**Supply, Demand, and Logistics:** Luxury brands like Brioni, Ermenegildo Zegna, and Holland & Sherry independently source their vicuna wool. To understand the market demand, there is an example: a pair of vicuna socks can cost \$620, while tailor-made suits start at \$40,000.

**Sustainability:** Vicuna fibres are biodegradable and sustainable. The fashion industry uses this wool and is committed to working with Peruvian farmers and communities to ensure the vicuna's growth. This process is part of circular fashion, which promotes resource regeneration and sustainability and is an essential aspect of this apparel industry. According



*Figure 3: This process is part of circular fashion, which promotes resource regeneration and sustainability and is an essential aspect of this apparel industry. Courtesy: Collected*

to a recent data, Vicuna wool is priced at \$399 to \$600 per pound based on its quality, compared to \$75 to \$85 for cashmere and \$5 or \$6 for regular wool. Thanks to its rare and exclusive rates over quantity, it is considered the most refined and luxurious fibre globally. The market analysis indicates that Peru's sustainable vicuna wool collection process attracts specific customers and ensures the well-being of these cherished animals. This expensive wool creates a safer and more sustainable environment for wildlife and humanity.

# Jute millers request 30% cash subsidy for machine upgrades

## N.Tania

Bangladesh's private jute millers requested an incentive fee of 30% to modernize their machinery because their old units expired decades ago.

They stated that over 80% of the machines were bought before independence (60 to 65 years ago), meaning they expired 45 to 50 years ago. Machines have a lifespan of 10 to 15 years.

Jute mills' output capacity has consequently dramatically dropped. In these situations, a progressive replacement of the machinery is required. According to the millers, it will also be simpler for them to replace the machinery if the government offers financial aid.

During a recent meeting, the Bangladesh Jute Mills Association (BJMA) and the Minister for Textiles and Jute, Jahangir Kabir Nanak, brought the matter up.

They claimed that because to aged machinery, output capacity has dropped by 20% to 30%.

The BJMA's secretary general, Abdul Barik Khan, stated that although the units had been repaired several times since then, they are now quite old.

He said, "While some mills have added new equipment, the majority have not. Production is thus declining daily."

Additionally he pointed out that, neighboring country India is using modern machines in jute mills which results in good production.

"Because of our outdated machinery and low production, the price of Bangladesh jute goods is high, which is detrimental to our ability to survive in the global market," Khan stated.

Besides, they have urged to



*Figure: Bangladesh's private jute millers requested an incentive fee of 30% to modernize their machinery because their old units expired decades ago.*

withdraw anti-dumping duties imposed by India, exemption of existing 2% source tax deduction at the purchase stage of raw jute, and supply of good jute seeds.

BJMA runs more than 250 jute mills that produce mainly hessian, sacking, and Carpet Backing Cloth (CBC).

# How third-country port warehouses boost Bangladesh's spinning industry

**Arif-Uz Zaman**

The majority of the raw material yarn and fabric produced in the garment factories of Bangladesh is cotton. However, its local production capacity is negligible (2-3%) compared to the demand. So it is almost entirely dependent on imports. At present the



*Figure: World's leading cotton suppliers like the USA, Australia, Africa and India supply cotton to Bangladesh.*

demand of cotton every year in the country is more or less 85 lakh bales. Although cotton was brought from different countries of the world, Bangladesh was dependent on India for a long time.

Over time the dependence of Indian cotton is decreasing due to many factors, among which third country warehousing is playing a major role. Among them, some warehouses have been built in Malaysia's Klang port using financing facilities from Jeddah-based Islamic Development Bank. Bangladeshi importers can bring cotton from there within seven days according to demand.

According to the country's yarn and cloth producers, if quality is taken into consideration, the United States will be number one, Australia will be second and African cotton will be in third position. Indian will rank 6th or 7th position. However, a large amount of cotton is now being imported from Africa mainly due to third country port warehousing facility.

Mohammad Ali Khokon, President of Bangladesh Textile Mills Association (BTMA) said that there are

many complications in storing cotton in the country. The interest rate on inventory goes up a lot. For this reason shippers store cotton in third country's port according to the demand of Bangladesh. It can be brought in just seven days. Mainly because of this advantage, the import of cotton from the African region is gradually increasing.

Based on National Board of Revenue (NBR) data, the United States Department of Agriculture (USDA) says that in the 2022-23 marketing year (August-July), Bangladesh's largest cotton imports came from West Africa, which accounted for 39 percent of total demand, with 9 percent sourced from Cameroon and 3 percent imported from Chad. As such, 51 percent of the total cotton import has been from countries in the African region.

Besides, 16 percent was imported from Brazil of South America, 12 percent of cotton comes from neighboring country India and 10 percent of the cotton came from the United States. However, trust on USA-made cotton's among Bangladesh's textile millers also increasing for its quality and contamination free- US cotton imports reached almost \$470 million in 2022.

Large movement of cotton used to come to Bangladesh mainly from India, as the neighboring countries and availability of cheap cotton. But the yarn and cloth producers of the country claim that the quality of cotton coming from India has never been satisfactory. Moreover, Indian institutions often do not keep their promises. Problems also remain in yarn-fabrics produced due to substandard cotton.

Meanwhile, African cotton does not differ much from India in terms of price also the cotton is better than India. Although the country is far away from India, Bangladeshi importers are preferring Africa instead of India due to third country warehouse facilities. Due to which the import of cotton from Africa is increasing and from India has decreased to a large extent.

# HIGHTEX 2024

INTERNATIONAL TECHNICAL TEXTILES AND NONWOVEN EXHIBITION

**4 - 8 JUNE 2024**

**TÜYAP FAIR CONVENTION AND CONGRESS CENTER  
BEYLİKDÜZÜ / İSTANBUL**

[www.hightex.com.tr](http://www.hightex.com.tr)



**AGRICULTURAL  
TEXTILES**



**APPAREL  
TEXTILES**



**INDUSTRIAL  
TEXTILES**



**TRANSPORT  
TEXTILES**



**PROTECTION  
TEXTILES**



**SPORT  
TEXTILES**



**HOME FURNITURE  
TEXTILES**



**BUILDING  
TEXTILES**



**FOOD  
TEXTILES**



**COSMETICS  
TEXTILES**



**ECOLOGICAL  
TEXTILES**



**GEO  
TEXTILES**



**MEDICAL  
TEXTILES**



**PACKAGING  
TEXTILES**

**ONLINE  
INVITATION**

Scan the QR Code  
for more information



# TTIH FACTORY INNOVATION ACTIVITIES



Engr. Rafat Hasan Chowdhury, Director, Huetech Yarn Ltd lead the workshop on 'Textile Fibre, Yarn & Fabric' as preparation for implementing 'Innovation Projects'. Participants from the Textile Talent Hunt, and Innovation Circle Members from different organizations shared & discussed their experience & knowledge.



Tareq Amin, CEO & Founder of Textile Today Innovation Hub moderating the 'Project Management and Tools & Techniques' workshop that was recently held at Tropical Knitex Ltd. Innovation Project Co-ordinators from TTIH shared strategy about the systematic implementation of Innovation Projects. Industry professionals from Tropical Knitex Ltd., HAMS Group, Auko-Tex Group, & Southwest Composite Ltd., and the Innovation Masterminds from TTH 8.0 participated in this session.

# TTH FACTORY INNOVATION ACTIVITIES



Training on 'Energy Management & Dyehouse Monitoring System' has been held at Dysin Group premises. Innovation Circle members from Auko-Tex Group, Hams Group, & Tropical Knitex Ltd shared & discussed their opinions in this regard. Innovation Masterminds from TTH 8.0 are preparing to implement the Innovation Projects in the industry.



Innovation Circle members brainstorming work to innovate within the merchandising operations.

# Addressing challenges faced by Bangladesh's garments buying houses

**Engr. Mohammad Mezbah Uddin**

Bangladesh's garments industry stands as a cornerstone of the nation's economy, contributing significantly to its GDP and employing millions. Central to this industry are garments buying houses, acting as intermediaries between manufacturers and international buyers.

Recently, Bangladesh Garment Buying House Association (BGBA)' election was held where 15 Executive Committee (EC) members were elected. BGBA has 1,800 members who rely on the association for support.

Buying houses confront various challenges hindering their operations and growth. Understanding these issues and implementing effective solutions is vital for sustaining the industry's success.

## Challenges faced by garments buying houses

With an increasingly competitive global market, buying houses encounter intense pricing pressure from international buyers. This pressure often leads to slim profit margins, impacting the sustainability of buying houses.

The COVID-19 pandemic exposed vulnerabilities in global supply chains, disrupting sourcing and production processes. Buying houses faced delays in shipments, raw material shortages, and factory closures, exacerbating operational challenges.

Ensuring product quality and compliance with international standards is paramount for buying houses. However, maintaining consistent quality across diverse suppliers and adhering to stringent compliance requirements pose significant challenges.

Buying houses require skilled professionals proficient in areas such as merchandising, sourcing, and supply chain management. However, the industry grapples with a shortage of skilled workforce, hindering operational efficiency and growth prospects.

Many buying houses lag in adopting advanced technologies for streamlining operations and enhancing efficiency. The absence of digital tools for order management, inventory tracking, and communication leads to inefficiencies and delays.

Payment delays and financial risks associated with



*Figure: Buying houses confront various challenges hindering their operations and growth.*

international transactions pose significant concerns for buying houses. Fluctuating currency exchange rates and payment disputes further exacerbate financial uncertainties.

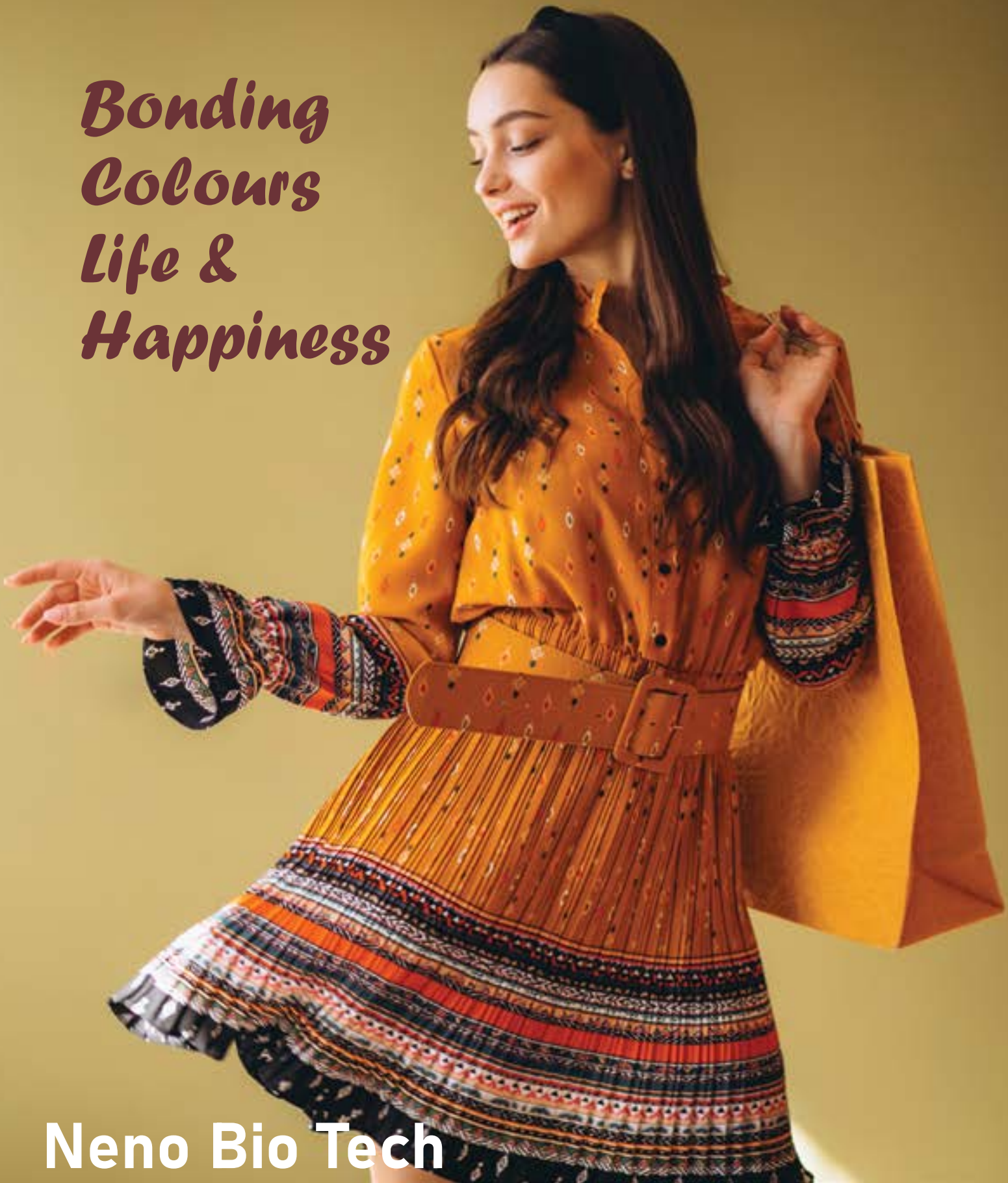
Buying houses should explore diversifying their client base beyond traditional markets to mitigate the impact of pricing pressures. Targeting emerging markets and niche segments can create new opportunities for growth.

Implementing robust supply chain management strategies, including dual-sourcing arrangements and inventory buffers, can mitigate risks associated with supply chain disruptions. Building closer partnerships with suppliers and adopting agile manufacturing practices enhance resilience.

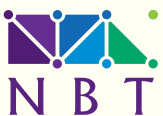
Buying houses should invest in quality control mechanisms and compliance frameworks to ensure adherence to international standards. Training programs for factory workers on quality management and compliance protocols can improve overall product quality.

Collaborating with educational institutions and industry associations to offer specialized training programs can address the skill shortage in the buying house sector. Investing in employee development and career advancement opportunities fosters a skilled workforce.

*Bonding  
Colours  
Life &  
Happiness*



**Neno Bio Tech**



Textile Chemical  
Manufacturer & Exporter



bsi.

Sedex<sup>2</sup>

EIM

ENVIRONMENTAL  
IMPACT  
MEASURING  
SOFTWARE



Ø ZDHC  
Level 3



**NENO BIO TECH CO. (THAILAND) LTD.**  
Mueang District, Samut Prakan, Thailand-10280



**NENO BIO TECH CO. (BD) LTD.**  
Birulia Union, Savar, Dhaka, Bangladesh

+66 02-1034302

[www.nbtthai.com](http://www.nbtthai.com)

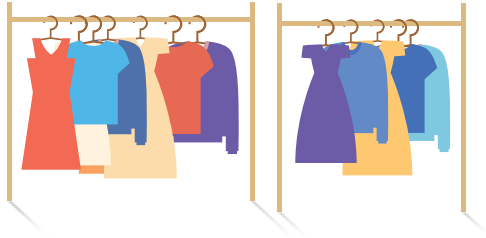
[info@nbtthai.com](mailto:info@nbtthai.com)



**Market  
Diversification**



**Supply Chain  
Resilience**



**Quality  
Assurance**



**Skill  
Development**



**Technological  
Integration**



**Risk  
Mitigation**

Embracing digital technologies such as enterprise resource planning (ERP) systems, product lifecycle management (PLM) software, and communication platforms streamlines operations and enhances efficiency. Investing in automation and data analytics capabilities improves decision-making processes.

Implementing robust risk management protocols, including thorough due diligence on buyers and suppliers, can mitigate financial risks. Utilizing hedging instruments to manage currency exchange risks and establishing clear payment terms minimizes payment disputes.

In fine, by implementing proactive strategies focused on market diversification, resilient supply chain management, quality assurance, skill development and technological integration, buying houses can overcome existing challenges and thrive in the dynamic global marketplace. Collaboration among industry stakeholders, government support, and continuous innovation are essential for ensuring the long-term sustainability and competitiveness of Bangladesh's garments buying houses. BGBA can play a great role to ensure it.

## Reiss to use AI for bolstering its sustainability credentials

**N. Tania**

Spanish fashion retailer Reiss partnered with AI-powered verification platform Compare Ethics to bolster its sustainability credentials.

Reiss will employ artificial intelligence (AI) in this partnership to validate its green claims, giving shoppers complete assurance that the apparel store is buying ethically.

It will confirm three to fourteen data points for every company's sustainability claim, guaranteeing legal compliance and minimizing internal effort.

Reiss Chief Customer Officer Sally-Anne Newson said, "At Reiss, we are dedicated to embodying

sustainable practices in every aspect of our business. Working with Compare Ethics means we can communicate our responsible sourcing achievements to our customers with total confidence and demonstrate our progress within responsible sourcing and ESG. We are delighted to be working with the organization to verify our green claims."

"Complying with sustainability regulations is no small feat due to the time, cost, and complexity of verifying all environmental claims and the fact that requirements often vary significantly across jurisdictions, added Compare Ethics CEO Abbie Morris.

Our platform offers a way for retail businesses to quickly get the knowledge and expertise they need. We look forward to working with the in-house teams at Reiss this year as the organization starts to scale its claims in line with the Green Claims Code, she further added.

Reiss' move comes when greenwashing is a growing concern for businesses. The Certified Management Accountant (CMA) carrying out an investigation into whether sustainable claims made by fashion chains including Asos, Boohoo and George at Asda were misleading customers.



# Concentrated Micro Amino SILICONE SOFTENER

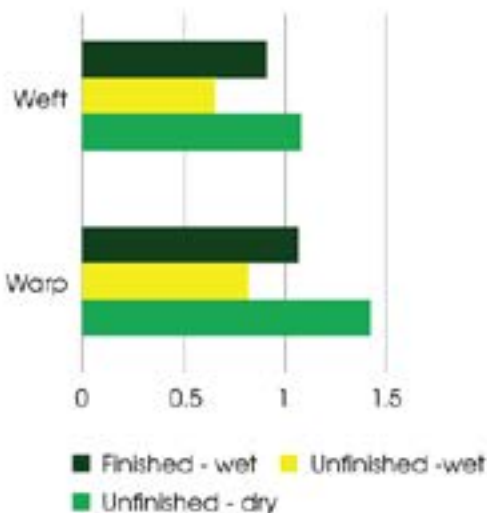


## Finox SIL Premium

- Finox SIL Premium is a slightly cationic reactive modified polysiloxane.
- Imparts a soft durable handle on all women and knitted fabrics.
- Improves the elastomeric properties & stretch recovery of knitwear.
- Improves the sewability, crease recovery and wash-and-wear performance when used in resin finishing
- Shows very little yellowing.
- Imparts outstanding hydrophobic properties to the treated fabric.

# ULTRAFAB LSS

## ULTRAFAB LSS



FABRIC 405 VISCOSE REACTIVE PRINTED FABRIC  
ULTRAFAB LSS - 30 GPL  
D/W PADDING, DRIED AT 150°C  
2 MIN

- 1) Pendant modified new age fluid system provides better softness with bounce for unique hand -feel
- 2) Hindered chemistry resulting in min/no shade change or drop in whiteness
- 3) Bounce with super soft finish
- 4) No/little effect on the fastness of the substrate-Wash/ water fastness for reactive printed and pigment printed fabric
- 5) Min reduction in dry rubbing fastness pigment printed fabric
- 6) Special emulsifier system ensures higher exhaustion of actives on the fabric
- 7) Substrate finished with Ultrafab LSS doesn't hamper the phenolic yellowing

EMBRACE THE FUTURE



**Antelos<sup>®</sup>**

COMPLETE DIGITAL TEXTILE  
SOLUTION PROVIDER  
**REACTIVE | SUBLIMATION**



**Solunaris Pvt. Ltd.**

www.solunaris.com | info@solunarisindia.com | T:+91 79 2642 3363, +91 79 6134 7212 |   



# serving mills across 45 countries



Dyes | Dye Intermediates | Digital Textile Printing Inks | Textile Auxiliary

E : [connect@jaychemical.com](mailto:connect@jaychemical.com) | W: [www.jaychemical.com](http://www.jaychemical.com) | A row of small, circular social media icons for Facebook, Twitter, Instagram, LinkedIn, and YouTube.