



Bangladesh Textile Today

May 2023
An Innovation Hub

Navigating as an
Innovation Hub
in **16TH**
YEAR
ISSN 1999-2076
Reg. 8/2012



CHT confidently investing in Bangladesh textile industry aligning sector's growth and competitiveness

- Dr. Frank Naumann
CEO, CHT Group

Japan-Bangladesh partnership yielding new opportunities

APNA ORGANICS

See at page 37

ARCHROMA
LIFE ENHANCED

See at page 21

CHT
SMART CHEMISTRY
WITH CHARACTER.

See at page 35

LS Liansheng Chemistry
Your Partner on Textile Auxiliaries

See at page 17

NICCA
Activate Your Life

See at page 27

Transfar Chemicals

See at page 25

Textile TALENT HUNT
2023-24
Security in Rewarding Your Talent

Coming Soon...

Textile Today
at **ITMA 2023**
Hall **04** | Stand **D317**

Visit us at ITMA

ZSCHIMMER & SCHWARZ

Please turn off to see the full advertisement

COLOURFAST BY NATURE



THE ECOLUTION
OF POLYAMIDE FIXING

ZETESAL ECO-FIX PA is the latest sustainable, plant-based, premium fixing agent for polyamide fibres: vegan and free of any bisphenol, phenol and formaldehyde. It fully complies with ZDHC, bluesign®, STANDARD 100 by OEKO-TEX® (product classes I to IV) and GOTS.

Contact us for more information:
textile@zschimmer-schwarz.com

Please visit us:
ITMA | 8–14 June 2023
Milan | Italy
Hall H5, Booth A 102



ITMA 2023

GOTS Approved
Global Organic Textile
Standard (GOTS A1)



ZDHC
APPROVED



**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

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

KARIM TEX LTD. (a green factory)

AL-HAJ KARIM TEXTILES LTD.



AL-HAJ KARIM TEXTILES LTD.



Products

- 100% Cotton Carded Yarn
- 100% Cotton Combed Yarn
- 100% Cotton Compact Yarn
- 100% Cotton Slub Yarn

Upcoming

- Rotor Yarn
- Cotton-Polyester blended Yarn
- Cotton /Modal/Viscose/Tencel blended Yarn

Count Range : 10s ~ 40s

Production Capacity 110 ton/day



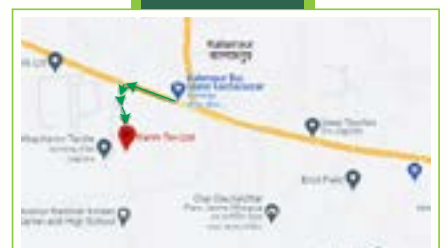
Karim Group



karimgroup.com

- 📍 SKS Tower (Level-6)
7 VIP Road, Mohakhali, Dhaka-1206.
- ☎ +8801713488102, 01713488141
- ✉ marketing.spinning@karimgroup.com

Factory Location



📍 Kalampur Bus Stand, Dhamrai, Dhaka

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)
Eousup Novee

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 27th May 2023 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. 2022
Volume 16, Issue 05 (May 2023)
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

LUMINENT D&A

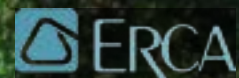
React EVO® Series

-70% Energy

-40% Water

-30% Time

- # Washing steps cut from **7-8** to **3-4** baths
- # Maximum soaping temp **50**
- # Same fastness properties
- # Products- ReactEVO WBS and ReactEVO TWE



LUMINENT D&A | Sincere Commitment for 15 Years

H-4, R-7, SEC-1, UTTARA, DHAKA | T 024 8957658, M 01713485299

E-mail: luminent@luminent-da.com, Website: www.luminent.net



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.



NAM NAM TRADING & MANUFACTURING CO., LTD.

A concern of

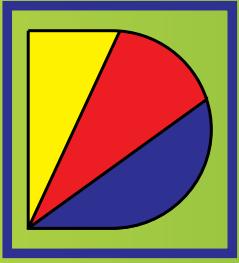
 **DYSIN GROUP**

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, Web: www.dysin.com



DYSIN

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

ZDHC Level-3 Water Base Products from Sunichem

RUBBERIZED PRINTING AGENT FOR MACHINE:
BINDER SC-20W & SC-20C

BINDER:
BINDER SC-40, FS-465E, FS-350 SOFT, FS-470 & SC-66H

THICKENER:
THICKENER FS-2000, FS-80E, FS-80F & FS-80M

FIXING AGENTS:
CROSSLINKER DF-818B & THICKENER FS-60

MAT COATING AGENTS:
BINDER SC-125A, SC-125G

GLOSS COATING AGENTS:
BINDER SC-126A, 126B & 126M

PIGMENT PRINTING AGENTS:
BINDER SC-M20YW-2 & BINDER SC-66E

WATER BASE HIGH DENSITY PRINTING AGENTS:
BINDER SC-691W & 691C

FOIL PRINTING AGENT:
BINDER SC-88B

HIGH WASH RESISTANT JEANS PRINTING AGENTS:
BINDER SC-942W & SC-942C

CRACK PRINTING AGENTS:
BINDER SC-65W & SC-65C

FOIL IMITATION PRODUCTS:
BINDER SC-FG20H, SC-FG20B & SC-FG20C

PEARL PRINTING AGENT:
BINDER SC-FG20D

TABLE ADHESIVE:
BINDER SC-507B, SC-507G & SC-507F

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

www.dysin.com

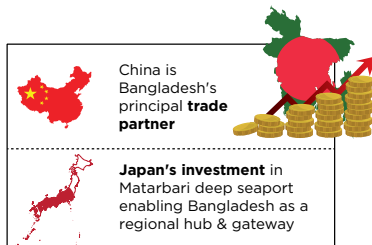


Read/Share
E-Copy Magazine

12 | Editorial

Bangladesh's textile and garment industry to see continuous growth in competitiveness, investment, and exports

14-16 | Cover Story



Japan-Bangladesh partnership yielding new opportunities

18-19 | Cover Plus



How textile operations can garner gains with the Textile 4.0

20-23 | Experts Views

Human rights due diligence: a key step towards ethical apparel industry

24-26 | Top Story



Maintenance of bank accounts with Chinese yuan to open a new opportunity for Bangladesh in Russian markets

28-29 | News & Analysis

Why export earning decreases in April

30 | Trade & Biz



LDC graduation may result in an export loss of \$7 billion

32-34 | Exclusive Interview



CHT confidently investing in Bangladesh textile industry aligning sector's growth and competitiveness

36 | Event Preview

Apna Organics to showcase innovative solutions at ITMA 2023

38-40 | Advertorial



Pailung's high pile fabric makes for extra-durable winter wear

Factory Tales

45 | FT Editorial

Reshaping for survival: Bangladesh's textile and apparel industry poised for exponential growth

47-48 | FT Cover Story

Bangladesh transforms itself into the safest hub for garment manufacturing

50-52 | Sustainable Energy



Bangladesh's reliance on natural gas shifting towards renewable energy for sake of textile industry

53 | News & Analysis

Historic May Day and Bangladesh RMG workers

56 | Industry Leaders

Govt. honors 44 business leaders as commercially important persons

59 | Trade & Biz

Bangladesh likely to get advantage from Vietnam garments block

60 | Digital Printing Market

Digital printing market is expected to reach \$39.7bn by 2028

Engineer - Install - Maintain



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:

Apparel Today

71-73 | AT Editorial



Is Bangladesh RMG a hostage to unethical buying behavior of int'l brands & retailers

74-76 | Denim Expo Review

Shaping the future of denim, insights from the Bangladesh Denim Expo 2023

78-79 | Sustainability Today



Recently developed shellfish-inspired solution can clean textile wastewater

80 | Advertorial

The bridge between invention and innovation

82 | Exclusive Interview



Ensuring circularity is the ultimate way to reduce emissions"

84 | Fashion & Retail

Apparel export increases 9.09% in the 10-month

Zara unveils first collection with recycled poly-cotton textile waste

90 | Kids Fashion

Global kids apparel fashion trends: style, comfort, and sustainability for the young fashionistas

Spinning Today

97 | ST Editorial



Cotton spinning mills struggling to avoid losses

99-100 | Cotton Today

Discourse of BT cotton in Southeast Asia (Part-II)

102 | Technical Textiles

Buildtech Textile has huge potential market to grab by Bangladeshi manufacturers (Part-1)

103 | Advertorial

Bangladesh lifts fumigation requirements on US Cotton following CCI-sponsored U.S. cotton tour

104-106 | Exclusive Interview



"Need to expand ICA members from Bangladesh to influence and shape cotton trade regulations"

108 | Advertorial

Field Tests Confirm High Performance of New Accotex Aprons

110 | News & Analysis

BGMEA seeks 10% cash incentive on non-cotton RMG export

ITMA'23 Special Segments

115 | Editorial

ITMA to showcase game-changing technologies in Milan

116-118 | ITMA Preview

ITMA 2023: An event to promote sustainable and efficient technologies and machinery in the textile industry

120-121 | Exclusive Interview



Rieter's innovation in recycling fibers to thrive the spinning industry

122 | Exclusive Interview



Investment trends and ITMA 2023: Insights from Asif Ashraf

124-125 | Innovation in Machinery

Stäubli committed to increase weaving mill efficiency with their innovative machinery

126 | Machinery Association

Swiss textile machinery companies focus on wide-ranging environmental priorities



Our Exclusive Agent

VM VERDE MULINO
TEX BD LTD

Dye your articles responsibly with

Deni Blue Liq 31
Deni Blk 38

FOR MORE INFO GET IN TOUCH WITH US AT  +88 01718 884763

NAUMANHAKEEM73@GMAIL.COM

VERDEMULINO21@GMAIL.COM

Ø ZDHC
LEVEL 3



OEKO-TEX®
CONFIDENCE IN TEXTILES
ECO PASSPORT 

www.scadachem.com



Bangladesh's textile and garment industry to see continuous growth in competitiveness, investment, and exports

Akhi Akter

The textile and garment industry in Bangladesh has experienced remarkable growth over the past few decades. With a focus on competitiveness, increased investments, and expanding export markets, Bangladesh's textile and garment industry is poised for continued growth.

Competitive advantages

The industry enjoys several key competitive advantages that have contributed to its sustained growth. These advantages include:

Cost competitiveness: Bangladesh offers low production costs, including affordable labor and competitive wages compared to other manufacturing destinations.

Skilled workforce: The industry benefits from a large pool of skilled and semi-skilled workers, particularly in garment manufacturing. The availability of skilled labor enables efficient production processes, quick turnaround times, and adherence to international quality standards.

Vertical integration: Bangladesh has developed a robust vertical integration model, with many manufacturers owning or partnering with textile mills and backward linkage industries. This integration streamlines the supply chain, reduces lead times, and enhances cost efficiency.

Duty-free access and trade agreements: Bangladesh benefits from preferential trade agreements, such as the Generalized System of Preferences (GSP) with various countries, including the European Union, Canada, and Japan.

Increasing investments

The industry has attracted substantial investments from both domestic and international sources. Key factors driving investment growth include:

Government support: The government has implemented favorable policies and incentives to encourage investment in the textile and garment sector. These include tax breaks, low-cost loans, and infrastructure development initiatives.

Expansion of manufacturing Facilities:

Manufacturers have invested in expanding their production facilities. This includes the establishment of new factories, the modernization of existing units, and the adoption of advanced machinery and technologies.

Technological advancements: Investments in technology have been crucial in improving production processes and efficiency. Manufacturers have embraced automation, digitalization, and advanced machinery to optimize operations, reduce costs, and meet international standards.

Infrastructure development: The government has prioritized infrastructure development, including the establishment of industrial parks, specialized economic zones, and improved transportation networks.

Export growth

Exports play a vital role in the success of the industry. The sector has witnessed significant export growth, driven by diverse factors:

Market diversification: Bangladesh has expanded its export destinations beyond traditional markets.

Product diversification: Bangladesh now produces a wide range of garments, including knitwear, woven wear, denim, sportswear, and value-added products.

Compliance and standards: The industry has made significant strides in ensuring compliance with international labor and safety standards. Efforts to improve workplace conditions, address labor rights, and implement safety measures have boosted the confidence of global buyers and increased demand for Bangladeshi garment products.

Sustainability initiatives: Industry has embraced sustainability practices to meet the growing demand for eco-friendly and socially responsible products.

Branding and marketing: Bangladesh has invested in promoting its textile and garment industry through effective branding and marketing campaigns. Participating in international trade shows, organizing buyer-seller meets, and leveraging digital platforms have increased the visibility of Bangladeshi products in the global market.

In fine, To move forward, it is crucial for Bangladesh's textile and garment industry to continue prioritizing sustainability, innovation, and skill development to remain competitive on the global stage.



Author:
Akhi Akter
Managing Editor
Textile Today



Visit at: Hall No. H6, Stall No.: B307
 Venue: Fiera MILANO RHO, MILAN. ITALY
 08 to 14 June 2023



Since 1962



Flawless Precision to make the World go round

excellent products
advance
 technology...

Rabatex brings to you a range of Advanced Sample Warping Machine. Specifically designed for the fashion industry, the machine precisely meets the sample warp and large warp requirements of the apparel fabric suppliers. Our machines ensure excellent quality of the woven fabrics. We have the aptitude and acumen to meet the high standards set by the manufacturers. Experience high productivity and pattern flexibility with Rabatex!



Sample Warper RI 601
 (190 cm / 7-105 meter / 8 colours)



**High Speed Automatic
 Sample Warper RI 6001**
 (220 cm / 27-500 meter / 16 colours)



Sample Rapier Weaving Machine
 (50 cm / 5-30 meter / 8 colours)



Mini Sample Warper RI M 601
 (50 cm / 5-30 meter / 8 colours)



Single End Sizing RI 8001
 (1-4-8 Spindles / Speed 250 MPM)



RABATEX INDUSTRIES

Plot No. 559, Opp. Road No.9, Kathwada GIDC
 Ahmedabad-382 430, Gujarat (INDIA).

✉ sales@rabatex.com

🌐 www.rabatex.com

Business Associate



House 311 (1st Floor), Road 21, New DOHS
 Mohakhali Dhaka -1206, Bangladesh
 Mobile : +8801819258956/ +8801714079214
 E mail : info@texcotech.com

Japan-Bangladesh partnership yielding new opportunities

Will Japan-Bangladesh's new partnership affect the relationship between China and Bangladesh? Or, will it be a great chance to build Bangladesh's backward linkage industry?

Textile Today Analysis

Bangladesh and Japan have successfully upraised the bilateral relations to a 'Strategic Partnership' from the existing 'Comprehensive Partnership'. This new level of partnership has created an atmosphere of optimism in the textile and apparel industry and sector leaders foresee plenty of opportunities. Especially, after the govt. awarded Japan the construction of Matarbari deep seaport at Maheshkhali channel of the Bay of Bengal Sea - the country's leaders are seeing it as a game changer. The Matarbari Deep Sea Port offers tremendous prospects

for maritime connectivity and economic growth of the country. As future developments will indisputably see Matarbari become Bangladesh's and South Asia's commercial center.

This new deep seaport will mark a noteworthy step toward the development of the nation. It will accelerate Bangladesh's progress toward becoming one of the developed and rich nations. Alongside Matarbari Deep Seaport, 36 development projects, like power plants and special economic zones, are being carried out there by various government agencies. In the days to come,

there will be a substantial amount of foreign investment at Matarbari, and the nation's trade and business will pick up speed.

On the other hand, Bangladesh's top brass and entrepreneurs are thinking it is not harmful to the China-Bangladesh trade and other relationships. As, better infrastructure and port facilities in the country will encourage more investment not only from Japan but also from China and other foreign countries - which will ensure a comprehensive growth atmosphere in its way to achieving Developing Country status.

During the visit to Japan, Bangladesh's Prime Minister met her Japanese counterpart Fumio Kishida in Tokyo to make the much-anticipated vital strategic partnership.

Since the birth of Bangladesh in 1971, Japan was among the fewest countries that extended foreign aid for rebuilding the war-ravaged Bangladesh in the post-liberation time. Since then, Japan has become Bangladesh's single biggest bilateral partner. Also, both countries are looking to sign free trade agreements (FTAs), and the governments of both nations are also seeing this as the most

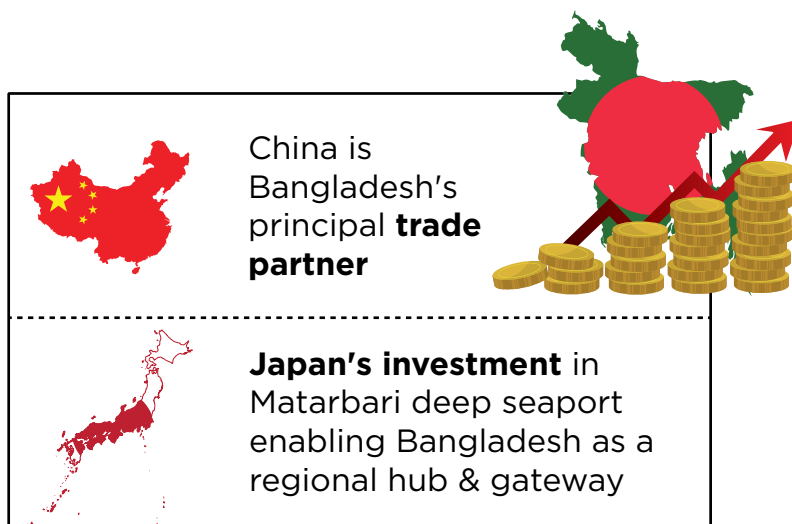


Figure 1: Japan and China are both strategic partners of Bangladesh.

feasible substitute in the near future.

Japan emerged as the 11th largest export destination and 7th largest import sourcing country of Bangladesh, recording total bilateral trade of \$3.79 billion in FY2021-22. Moreover, Japan is the 12th largest source of FDI stock to Bangladesh with a \$457.98 million investment. The growing presence of Japanese companies in Bangladesh is also the center for strengthening the economic partnership between both countries.

"Japan is our trusted development partner. Bangladesh has received steadfast support for its development and has remained the recipient of the largest amount of official development assistance from Japan since our independence," said Sheikh Hasina.

She also said that in the recent Official Development Assistance (ODA) loan package, Japan has provided \$2.67 billion in soft loans to Bangladesh.

Japan is providing financial and technical support to Bangladesh for improving regional connectivity, transport infrastructure, power and energy, the metro rail and the Maheshkhali-Matarbari Integrated Infrastructure Development Initiative (MIDI). Japan has also been playing crucial roles in order to promote the private sector, improving competitiveness and the country's brand image, and capacity development of the human resources of Bangladesh.

Over the past 10 years, Bangladesh has seen an extraordinary improvement in the business environment - which has helped to attract foreign direct investment - especially from Japan and given a boost to the economy. Recently the Prime Minister inaugurated the much-awaited Japanese economic zone, in Araihasar upazila of Narayanganj. Which certainly opened up a new horizon of trade opportunities in Bangladesh.

The next five years are very

important for Japanese investors and for Bangladesh also as within the next five years, the basic infrastructure of Bangladesh will be completed which will encourage foreign direct investment including that of Japanese firms.

The latest survey of JETRO said Bangladesh is the top choice for Japanese companies seeking to expand business in Asia and Oceania in the next two years due to its high business potential and profitability. Some 70.3 percent of Japanese companies are mulling expanding business in Bangladesh in the next one to two years.

Bangladesh's top brass and entrepreneurs are thinking it is not harmful to the China-Bangladesh trade and other relationships. As, better infrastructure and port facilities in the country will encourage more investment not only from Japan but also from China and other foreign countries

Faruque Hassan, President, Bangladesh Garment Manufacturers and Exporters Association (BGMEA) said, "Since the independence of our country - Japan has been an invaluable partner in all aspects. Japan is one of the few countries that provided us with duty-free export. To attract more Japanese investment in the country - our govt. has set up a Japanese economic zone, in Araihasar upazila of Narayanganj."

"Having said that, Japan has been instrumental as Bangladesh's development partner. Matarbari deep seaport, HSIA third terminal and the Metro Rail are a testament to that."

"As a testament to that, our apparel export with Japan has grown tremendously in recent

years. We are doing quite well in the Japanese market in terms of readymade garment (RMG) export. For many years Japan has been a good apparel export destination. And especially in the last couple of years, we have renewed our focus on this non-traditional market. This year apparel export with Japan will cross \$1.5 billion," Faruque Hassan said.

"I think we were able to penetrate the market. We are sending delegations to the country - next month a team from BGMEA will attend a fair."

"I was also in the PM's delegation in Japan, and I have met with many Japanese fashion buyers and discussed various aspects to increase our product exports. Hopefully, we will see more benefits of this good bilateral relationship."

"Similarly, we are also increasing our textile machinery, some chemical products import from Japan."

Mohammad Ali Khokon, President, Bangladesh Textile Mills Association (BTMA) said, "We have a long-standing tie with Japan. Japan has been our development partner since Bangladesh's birth. And it is certainly encouraging to see that more investments are coming to the country."

Syed Nazrul Islam, Director, Well Group said, "The way Prime Minister invited the Japanese investors to invest in the country denotes a very good vibe for traders - not only for textile and apparel but all the export-oriented industries. As infrastructure development - roads and highways, ports, logistics - is a prerequisite for businesses to thrive. In addition, more and more foreign investors will feel at ease to come and invest here."

Relationship with China

If we take a brief look at the background of China-Bangladesh bilateral relations, it can be assumed that their traditional

Matarbari Deep Seaport Prospects

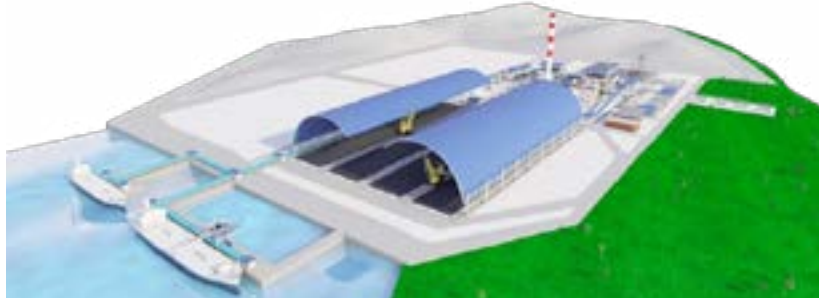
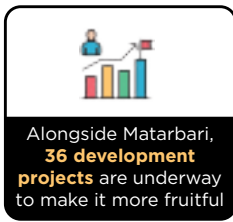


Figure 2: Matarbari deep seaport prospects.

relations were based on trade and military cooperation. Since 1975, China-Bangladesh bilateral relations significantly started with developing trade and economic cooperation between the two countries. China became Bangladesh's principal trade partner in 2005 in terms of imports, most notably trade in defense sectors, including the supply of armaments, military hardware, and other special equipment.

China-Bangladesh relations are going through a positive change in the 21st Century with a wider scope of mutual cooperation and benefits. The bilateral relationship is now stronger and more active than ever before.

"Having said that, these shifts have nothing to do with China-Bangladesh trade ties - as we are seeing a continuous upward trend in our relationship. Which is really beneficial for the country, as well as, for the textile and apparel industry," said Faruque Hassan.

Syed Nazrul Islam, Director, Well Group said regarding how the development of the country will benefit all the investors, "The development of the country will give fruit to all local and foreign investors - be it Chinese or Japanese."

The close relationship between Bangladesh and China is now prompting in the area of bilateral trade followed by China's credit lines offered for many key infrastructure projects as well as investment inflows observed in power and energy, textiles, weaving, leather, footwear, construction, light engineering, and stock exchange.

Japan has been instrumental as Bangladesh's development partner. Matarbari deep seaport, HSIA third terminal and the Metro Rail are a testament to that.

BGMEA President said that Bangladesh's ties with China are as good as any other countries. He added, "China has been a great trade partner and the country has given us duty-free export facilities for almost all products. We are seamlessly importing all sorts of raw materials."

In regards to Western and allied countries moving away from China - Faruque Hassan said, "Not only from China, but we are also seeing RMG orders are coming to Bangladesh from Vietnam,

Myanmar and China due to various political shifts."

Backward linkage industry strengthening

Bangladesh imports all major items from China, ranging from industrial raw materials to consumer goods. The textile and apparel sector has a great dependency on China for raw materials. If China shows any dissatisfaction over the new relationship between Japan and Bangladesh, it will mostly benefit Bangladesh as the country is likely to enhance its capacity more in the backward linkage sector.

Industry leaders unanimously opined that there is no alternative to having a strong textile backward linkage and allied industry. In recent years, the country has seen good investment in cotton spinning, as well as, man-made fiber (MMF), regenerated fiber, spandex, etc. textile segments.

Faruque Hassan said, "There is no option to having a strong textile backward linkage and allied industry. As we have seen in the recent pandemic and the Ukraine-Russia conflict have led to supply chain uncertainties. And having a strong backward linkage industry is paramount. And Bangladesh textile industry is moving towards more capacity buildup."

"Having said that, the world of fashion is shifting into MMF, regenerated fiber categories. Meaning we must develop our capabilities in these sectors to give us an advantage in the forward industry."

BGMEA President opined his optimism regarding Japanese investment in these value-added apparel segments. He said, "I have talked to Japanese investors to invest in MMF, regenerated fiber, etc. value-added apparel segments as our apparel industry holds immense potential globally. And I hope they will come up with good investments - which will strengthen our supply chain."

The largest manufacturer of softener flake and silicone softener and more than 900 kinds of textile auxiliaries which cover:

Pretreatment:

1. Wetting agent and detergent/Scouring agent
2. De-oiling agent(Solvent-based and non solvent-based)
3. Multi-in-one scouring agent (powder)
4. Sequestering agent
5. Peroxide stabilizer
6. Peroxide killer
7. Anti creasing agent
8. Mercerizing wetting agent

Dyeing:

1. Reactive dyes leveling agent
2. Dispersing dyes leveling agent
3. Acid dyes leveling agent
4. Acrylic leveling agent
5. Chloride-resistant fixing agent
6. Formaldehyde-free fixing agent
7. Acid dyes fixing agent
8. Soaping agent/washing off
9. ECO odorless carrier
10. Reduction cleaning agent for polyester
11. Wet Rubbing fastness improver
12. Cationizing agent
13. Thickener
14. Binder

Finishing:

1. Cationic softener flake/pearl
2. Nonionic softener flake/pearl
3. Anionic softener flake/pearl
4. Silicone emulsion(Hydrophobic/Hydrophilic)
5. Silicone fluid(Hydrophobic/hydrophilic)
6. Non-silicone hydrophilic softener paste
7. Anionic softener paste(hydrophobic/hydrophilic)
8. Hydrophilic polyester softener(pearl)
9. Hydrophilic Nylon softener(pearl)
10. Anti back staining agent
11. Anti ozone softener
12. Water and oil repellent (C8/C6)
13. Stiffening agent
14. Anti-static agent(Durable/non-durable)
15. Flame retardant(Durable/non-durable)

Recruitment

Qualification:

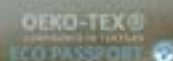
Oversea Market Development Specialist (Working place: Bangladesh)

1. Bengal
2. At least 5 years sales experience in textile auxiliaries or dyes.
3. Familiar with the local market, a wide range of social connections.
4. Have the values about the national equality
5. People have sales team management experience and existing sales are preferred.
6. Positive and optimistic, good communication ability and hard working.

Technical service engineers (Working place: Bangladesh)

1. Fluent in English speaking.
2. More than 5 years working experience in dyeing and printing factory.
have a deeper understanding of printing and dyeing process and textile auxiliary.
3. Oversea working experience is preferred.
4. Learning ability, team spirit.
5. Have the values about the national equality

Suzhou Liansheng Chemistry Co., Ltd.
Yantang Industrial Zone, Weitang Town, Xiangcheng District,
Suzhou, China
TEL: 0086-512-65906880 FAX: 0086-512-65906177
Mob: 0086-013701541345 Mr. Eric Wang(Export Manager)
Email: TRADE_WANG@LSHX_CN
www.lshx.cn



ZDHC Level 3
Eco attested by authority
ISO 9001 Quality Management Certification
ISO 14001 Environmental Management Certification

How textile operations can garner gains with the Textile 4.0

Md. Eousup Novee Bablu

With an onset of the industry 4.0, almost all the industry segments are thinking of the suitability, effectiveness and costs in return out of the adoption. Industry 4.0 (here, we only focus on the Textile 4.0) denotes - a set of technology transformations in product design, manufacturing, operations, SCM, business processes and systems using communication technologies and devices. It features number of benefits as - speed, quality, flexibility, efficiency, security and customer satisfaction. By leveraging such technologies, it can position the industry for the future, fostering innovation and competitiveness in a rapidly changing global market.

The preparedness of people, and capability of management come in front before going to the adoption of hardcore components of the digitization and automation. It doesn't indicate us to adopt IR 4.0 as a standalone technique rather it requires to connect with the business strategy and vision in innovative ways to find optimality from inputs to return in ultimate.

Business strategy towards Industry 4.0/Textile 4.0 or 3.0:

Objective of the adoption of Textile 4.0 is important; not for sake of technology adoption only. Readiness of the industry leaders is one of the critical factors to adopt and exploit the opportunity. On the other hand, adoption of industry 4.0 requires to put forward with the calculation of cost-benefit and



Figure 1: Laser engraving on fabric

consequences of an individual business. Yet, it seems the cost of NOT ADOPTING Textile 4.0/3.0 is higher than that of ADOPTING it (selectively).

A brief phase out of Industry 4.0 along with adoption by Textile Industry:

Industry 1.0 Mechanical - Steam force, weaving loom

The first industrial revolution occurred at the first quarter of the 17th century with the introduction of the steam engine and the water as a source of power. The first mechanical weaving loom started in 1780s. The era saw manual production to mechanical production of cloths.

Industry 2.0 Electrical - Assembly line, Mass Production

The second industrial revolution was coined for inclusion of electricity in industrial activities and the serial or line based production systems in 1910s. The impact on the apparel sector was - the factories designed sewing machine in a way garment can be produced serially by processes. Garment production speeded and multiplied and demand for consumption also increased.

Industry 3.0 Digital - Electronics, IT, Automation

The digital development began to facilitate the production system with the programmable techniques. Information technology, combining hardware and software, brought a transformation in textile from analogue to digital sphere.

We noticed the application of IR 3.0 in textile - in yarn manufacturing like USTER, in weaving like AutoCAD, in knitting like SHIMA SEIKI SDS, in wet processing like MACBETH OS, in apparel like GERBER, in fashion like DIGITAL FASHION PRO etc. in the textile and apparel industry. Most of these technologies have further advanced in features and functions for better results.

Industry 4.0/Textile 4.0 - Big data, AI, ML, Robotics & Simulation

Along with the development of industry 4.0, the textile 4.0 is dictating us to adopt for being competitive. It can stress form the textile technology,

Cover Plus

textile process, textile manufacturing from the spinning to garmenting as a whole. Many features of the Industry 4.0 can play significant roles with custom tools to give an impact on textile industry as under:

- Big data analytics to ease and drive the business decision making
- Artificial intelligence for both floor operations and retail shops
- Simulation technology to make virtual product design, recipe, machine setup
- Computer vision and augmented reality for fitting and design
- Cyber security and cyber physical systems like RFID to track supply chain
- Thermal imaging to visualize object in dark areas like dyeing and washing
- Horizontal and vertical system to integrate flow of materials from fibre to retail
- 3D printing and fabricating to produce personalized garments
- Robotics for warehouses in packaging and distribution

Several developments of Textile 4.0 & 3.0

a) Fabric Development & Manufacturing

- CCI (Cotton Council International) brings a software where knitters would select the desired output only and the software technically suggest inputs.
- Some factories have installed automated knitting machines that require human intervention only in case of programme designs or to clean machines.
- Project Jacquard from Google's ATAP lab focuses on developing conductive threads for creating touch-sensitive textiles like clothing, tablecloths, rugs, and other fabric products.
- Shima Seiki can transform yarn cones into a complete, seamless garment in less than an hour to create knitting cloth, resulting in a sharp increase in productivity.
- COMVIS, fabric inspection - machine vision software used for surface defect inspection, narrow webbing inspection, and comprehensive fabric inspection.

b) Fashion Forecasting

- Store chatbots enhance the customer experience by providing personalized product suggestions. This AI application technology uses algorithms to track customer behavior to match them with appropriate products.
- TRUE FIT provides a personalization platform with an online fit engine that helps users find the right fit for them with new brands and styles.
- E.F.I. Optitex is one of the critical users of AR/VR technology, which has revolutionized the traditional and time-consuming process of achieving a proper fit.



Figure 2: Robotic operation of apparel manufacturing

c) Apparel Manufacturing

- **Edited:** A London-based startup offers live data analytics software so their merchant clients can rapidly access all available market data. It has won over popular brands like Boohoo, Tommy Hilfiger, and Marni and can instantly synthesize the entire world market.
- IoT in fashion for health: NADI X yoga pants with posture sensors, Hexoskin for tracking heart rate and temperature, Fuseprojects' power suits for the elderly, and LOOMIA's soft, flexible circuits for heating, lighting, sensing, and data tracking.
- HeartDub, a Chinese startup, uses AI-based technology to create new sample simulations.
- Many factories have deployed robotic AutoConers for packaging.

d) Supply Chain

- **Techpacker:** A cloud-based software that allows real-time updates on tech packs, making the process faster and effective.
- Some factories are using AI-infused ThreadSol software offering integrated planning process which will reduce material wastage and enhance fabric utilization.

e) Quality Control

Facteon: Online measuring systems are designed to monitor the quality of products produced on the production line in real time. It's measuring system ensures that production can continue at optimal speed while maintaining the overall quality of the end products.

General Concerns around IR 4.0.

Employment side: Garments may be the worst sufferer of adoption of Industry 4.0/Textile 4.0 as there is a possibility of 27 lakh or 60 percent of jobs may be lost. Since the whole world is racing after Industry 4.0, we would still lose employment if we don't adopt it.

Company side: It requires an additional investment for the factories. Return on investment is an issue as well. Financially capable/big factories can somehow adopt industry 4.0 but small factories will face the worst hit of automation, assumed.

- The writer is an Innovation Strategist.

Human rights due diligence: a key step towards ethical apparel industry

Sheikh H M Mustafiz, Managing Director, Cute Dress Industry Ltd.

The apparel industry is one of the largest and most important industries in the world, providing employment for millions of people and contributing significantly to the global economy. However, despite its importance, the industry has long been plagued by reports of human rights abuses, from low wages and long working hours to unsafe working conditions and child labor. As consumers become more aware of these issues, they are demanding more accountability from companies, and as a result, the concept of human rights due diligence has emerged as a crucial step toward creating a more ethical and sustainable apparel industry.

What is human rights due diligence?

Human rights due diligence is a process by which companies identify, prevent, mitigate and account for the potential and actual adverse human rights impacts of their operations, and take appropriate action to address them.

The aim is to ensure that a company's business practices do not violate human rights and that they contribute to the protection and respect of human rights in the

communities where they operate. In the apparel industry, this means taking a comprehensive and systematic approach to identifying and addressing the risks of human rights abuses in the supply chain, from the sourcing of raw materials to the manufacturing and distribution of finished products.

Why is human rights due diligence important?

Human rights due diligence is important for several reasons. Firstly, it is a legal requirement in many countries, including the European Union, where the EU Directive on Non-Financial Reporting requires companies to report on their human rights due diligence processes.

Secondly, it is becoming increasingly important for companies to address human rights risks in order to maintain their social license to operate. Consumers and investors are becoming more aware of the human rights impacts of business operations, and are demanding greater accountability from companies.

Thirdly, addressing human rights risks can help to prevent negative impacts on workers, communities

and the environment, and can lead to improved business performance and reputation.

How can apparel industry owners implement human rights due diligence?

Implementing human rights due diligence in the apparel industry requires a systematic approach that involves all levels of the supply chain. Here are some key steps that apparel industry owners can take to implement human rights due diligence:

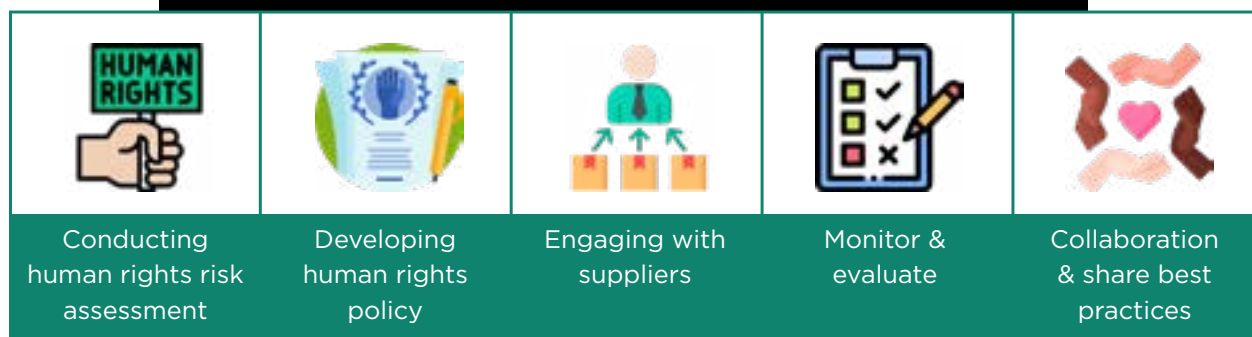
1. Conduct a human rights risk assessment:

The first step in human rights due diligence is to identify the potential risks of human rights abuses in the supply chain. This can be done through a comprehensive risk assessment that takes into account the different stages of the supply chain, as well as the local context and the specific risks facing different groups of workers.

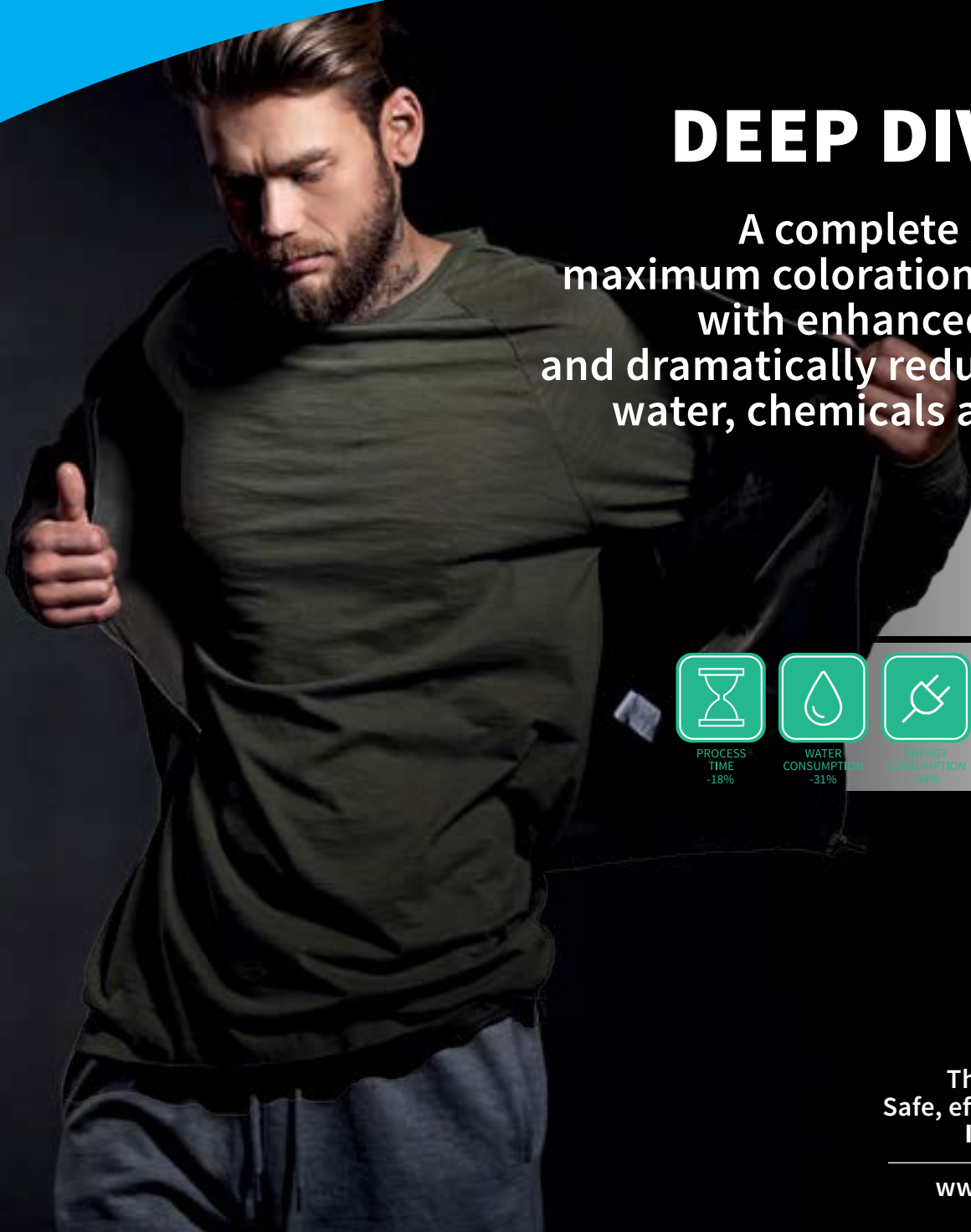
2. Develop a human rights policy:

Once the risks have been identified, apparel industry owners can develop a human rights policy that sets out their commitment to respect human rights and outlines the steps they will take to address

Ways to implement human rights due diligence in the apparel industry.



/ 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



ØZDHC COMPLIANT



bluesign® APPROVED

SAFE



PROCESS TIME
-18%



WATER CONSUMPTION
-31%



ENERGY CONSUMPTION
-34%



CHEMICAL USAGE
-17%



CO₂ EMISSION
-33%

EFFICIENT

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

any adverse human rights impacts.

3. Engage with suppliers:

Engaging with suppliers is crucial to implementing human rights due diligence in the apparel industry. Apparel industry owners can work with suppliers to assess and address human rights risks, provide training and capacity-building to suppliers, and ensure that suppliers are aware of the company's human rights policy.

4. Monitor and evaluate: Human rights due diligence is an ongoing process, and apparel industry owners should monitor and evaluate their human rights performance on an ongoing basis. This can be done through regular audits, stakeholder engagement, and reporting on human rights performance.

5. Collaborate and share best practices: Finally, apparel industry owners can collaborate with other companies, civil society organizations, and government agencies to share best practices and promote the implementation of human rights due diligence across the industry.

Human rights situation of Bangladesh RMG industries

The Bangladesh apparel industry has come a long way in recent years, becoming one of the safest and greenest apparel industries in the world. Employing around 4 million people, the industry is a vital source of economic growth for the country, accounting for more than 83% of its export earnings. In recent years, the industry has made significant strides in improving working conditions and raising wages for workers. This has been achieved through initiatives such as the Bangladesh Accord on Fire and Building Safety, a legally binding agreement between apparel brands, trade unions, and the Bangladesh government.

While challenges still remain, the industry has made remarkable progress in ensuring the safety and well-being of its workers. The

COVID-19 pandemic has posed a significant challenge for the industry, but measures have been taken to protect workers from the virus and support those who have been affected. In addition, the industry has continued to invest in sustainable and environmentally friendly practices, positioning itself as a leader in ethical and responsible manufacturing.

Looking ahead, it is important for all stakeholders in the Bangladesh apparel industry to continue working together to address the remaining challenges facing the industry. This includes ensuring fair wages and safe working conditions for all workers, as

Human rights due diligence is an ongoing process, and apparel industry owners should monitor and evaluate their human rights performance on an ongoing basis. This can be done through regular audits, stakeholder engagement, and reporting on human rights performance.

well as maintaining a focus on sustainability and environmental responsibility. With a continued commitment to progress and collaboration, the Bangladesh apparel industry has the potential to serve as a model for ethical and responsible manufacturing practices around the world.

The importance of 'shared responsibility' from brands

In recent years, there has been growing recognition that businesses have a shared responsibility to respect human rights throughout their operations and supply chains. This has been particularly true in the context of the apparel industry, where

concerns have been raised about the working conditions and human rights abuses faced by workers in factories around the world.

One of the key ways in which brands can fulfill their responsibility to respect human rights is by ensuring that they engage in human rights due diligence in their purchasing practices. While there are many challenges associated with implementing human rights due diligence in the apparel industry, there is a growing recognition that it is a crucial element of responsible business conduct. Here are some of the reasons why:

1. Protects workers' rights:

Human rights due diligence helps to ensure that workers' rights are respected throughout the supply chain. By identifying and addressing human rights abuses, brands can help to create safer and more equitable working conditions for the people who make their products.

2. Mitigates legal and reputational risks:

Brands that fail to engage in human rights due diligence face significant legal and reputational risks. In recent years, there have been a number of high-profile cases where brands have been sued for their complicity in human rights abuses in their supply chains. Engaging in human rights due diligence can help to mitigate these risks and protect a brand's reputation.

3. Encourages responsible business conduct:

By engaging in human rights due diligence, brands can set an example for other businesses and encourage responsible business conduct more broadly. This can help to create a more sustainable and ethical apparel industry overall.

4. Supports the achievement of the SDGs:

The Sustainable Development Goals (SDGs) call for businesses to respect human rights throughout their operations and supply chains. By engaging in human rights due diligence, brands can contribute to the

achievement of these goals, which include the eradication of poverty and the promotion of sustainable economic growth.

While the apparel industry has made some progress in implementing human rights due diligence, there is still a long way to go. Brands must continue to work together with suppliers, civil society organizations, and government authorities to identify and address human rights abuses in the industry. This will require increased transparency, stronger regulations, and a greater commitment to responsible business conduct.

It is also important to note that implementing human rights due diligence in the apparel industry may require additional costs, such as investing in supplier monitoring and remediation programs. In order to ensure that these costs are covered, brands may need to consider increasing the price of their products. This may be particularly true in the context of commodity inflation, global crises, pandemic, war situations, or other external factors that increase the costs of production.

While increasing product prices may not be popular with consumers, but it is important to recognize that this is a necessary step in order to ensure that workers' rights are respected and protected throughout the supply chain. Brands have an equal responsibility to ensure that they are not complicit in human rights abuses, and this includes paying suppliers a fair price that allows them to meet their own human rights obligations.

Ultimately, it is up to brands to strike a balance between remaining competitive in the market and fulfilling their responsibility to respect human rights and support the achievement of the SDGs. This may require difficult decisions and trade-offs, but it is essential for the long-term sustainability and

ethicity of the apparel industry. By taking action now, brands can help to create a more just and equitable global economy for all.

The points for improvement

There are several points of improvement that could be made in order to address the human rights challenges facing the Bangladesh apparel industry. Here are a few suggestions:

1. Improve working conditions: Despite of many green factories in Bangladesh, there is a need for greater investment in infrastructure, such as ventilation and lighting, to improve the

Brands must continue to work together with suppliers, civil society organizations, and government authorities to identify and address human rights abuses in the industry. This will require increased transparency, stronger regulations, and a greater commitment to responsible business conduct.

working conditions in factories. Additionally, safety measures need to be put in place to prevent accidents, such as fire safety measures and the implementation of safety protocols to prevent collapses like the one that occurred at Rana Plaza.

2. Increase wages: The wages of garment workers in Bangladesh are extremely low, and this needs to change in order to ensure that workers are able to support themselves and their families. Brands and factory owners should work together to increase wages and ensure that workers are paid a living wage.

3. Strengthen workers' rights: Industry leaders, association, government and trade unions should revisit the current labor law and setup a good example of laws where the workers' right to form unions and collective bargain are ensured. These rights need to be respected and upheld in order to ensure that workers have a voice in their workplace and are able to negotiate for better conditions and wages.

4. Increase transparency: Brands should be more transparent about their supply chains and the factories that they use. This would enable workers, civil society organizations, and other stakeholders to monitor working conditions and hold brands accountable for any violations of human rights.

5. Encourage responsible investment: Investors in the apparel industry should prioritize investments in companies that have strong human rights policies and practices. This will incentivize companies to improve their human rights record and create a more sustainable and ethical industry.

Conclusion

In summary, addressing the human rights challenges facing the Bangladesh apparel industry will require a multi-faceted approach that involves the concerted efforts of brands, factory owners, workers, civil society organizations, and government authorities. By working together to improve working conditions, increase wages, strengthen workers' rights, increase transparency, and encourage responsible investment, we can create a more just and equitable apparel industry that respects the rights and dignity of all those involved in its production.



Author

Sheikh H M Mustafiz
 Managing Director
 Cute Dress Industry Ltd.

Maintenance of bank accounts with Chinese yuan to open a new opportunity for Bangladesh in Russian markets

Textile Today Analysis

The maintenance of yuan account with the banks will open a new opportunity for the local exporters to Russia as they can receive convertible payment and in the Chinese currency instead of the US dollar.

Following the decision of the country's central bank will encourage the local exporters to ship more goods to Russia as they were facing troubled in payment from the Russian importers of the local exporters.

The local exporters have been facing severe challenge in payment from their Russian partners when the European countries put a ban on use of Society for Worldwide Interbank Financial Telecommunication (SWIFT) by the major Russian banks.



Figure: The maintenance of yuan account with the banks will open a new opportunity for the local exporters to Russia as they can receive convertible payment and in the Chinese currency instead of the US dollar.

The local exporters started feeling discouraged to export goods to Russia because of the sanction on the use of SWIFT.

As a result, the export of goods, mainly garment items started declining to Russia from Bangladesh.

Current trade position

For instance, garment export to Russia declined by 44.81 percent to \$265.57 million in July-February period of the fiscal 2022-23 compared with \$481.23 million during the corresponding period of the

last fiscal year, according to data from the Export Promotion Bureau (EPB).

Exports amounted to \$638.30 million in fiscal 2021-22.

More than 600 local garment exporters used to send apparel items to the Russian markets as they were paid better prices.

Russia is an emerging market for Bangladesh as exports to it had been growing rapidly because of high demand for the local clothing items offering competitive prices.

Bangladesh Bank issued a circular which said from now banks can maintain an account in yuan with their corresponding branches abroad to settle cross-border transactions in the Chinese currency.

Export receipts from garment shipments to Russia registered a 35.30 per cent year-on-year growth to reach \$481.23 million during the July-February period of last fiscal year.

Bangladesh shipped apparel items worth \$593.66 million to Russia in the last fiscal year of 2021-22, which comprised \$373.25 million worth of knitwear items and \$220.41 million worth of woven items.

Impacts of SWIFT ban

However, in the earlier months of the war which began February 24 in 2022, the exporters were sending goods to Russia well before the sanction on the SWIFT.

But, when the European countries sanctioned the Russian banks in use of SWIFT the local exporters started sending goods and receiving payment in Chinese yuan.

Or in some cases, the local exporters received the payment from the Russian importers in US dollars from a third country like from Turkey and Germany. However, there was a risk as they cannot maintain the accounts properly.

Since when the war began the local exporters

THE NEW ERA OF SOFTNESS

TRANSOFT- Silicone softener



Transfar
Chemicals

Hydrophilic softness

Bulkiness

Softness

Silkiness

Smoothness



Environment-friendly products



Meet global requirements



User friendly



Suitable for all kinds of fabric



Compatible with many processes



Excellent stability

Transfar Chemicals (Bangladesh) Co. Ltd.
House-21, Road-4, Sector-4, Uttara, Dhaka, Bangladesh

✉ jackie.xu@etransfar.com
🌐 www.transfarchem.com/en

have been sending goods to Russia through some alternative routes instead of the previous direct routes. Now most of the goods are sent to Russia through Germany's Hamburg and Poland ports to avoid any damage from the war.

Latest central bank's decision and remark from business leader

Last week, the Bangladesh Bank issued a circular which said from now banks can maintain an account in yuan with their corresponding branches abroad to settle cross-border transactions in the Chinese currency.

The decision was taken aiming to widen the scope for banks to settle cross-border payment in yuan.

"I am very hopeful that the central bank's decision will definitely help to increase the shipments of goods to Russia as the local exporters will not face the challenges in receiving the payment from the Russian importers," said Mohammad Hatem, executive president of Bangladesh Knitwear Manufacturers and Exporters Association (BKMEA).

The export to Russia will regain and recover to the



"I am very hopeful that the central bank's decision will definitely help to increase the shipments of goods to Russia as the local exporters will not face the challenges in receiving the payment from the Russian importers,"

Mohammad Hatem, Executive President of Bangladesh Knitwear Manufacturers and Exporters Association (BKMEA).

pre-war time because of the acceptance of payment in yuan, he said. With the outbreak of the war, the local exporters were receiving the payment in yuan informally, but the central bank made it formal now.

As a result, the local exporters will feel encouraged to ship more goods to Russia, he said.

Moreover, the Russia-Ukraine war exposed that the over dependency on a single currency also needs to be reduced as the abnormal rise in exchange rate of the US dollar in other currencies affected the global business and prices of basic commodities severely, Hatem said.

Many problems will be resolved from the decision of acceptance of payment from Russian buyers in Chinese yuan.

Russia a new opportunity for local garment exporters

In fact, the demand for the locally made garment, especially, for the sweater and outerwear from the

Russian buyers when the almost all the western clothing retailers and brands withdrew their business from the war-torn Russia.

Russia-Ukraine war exposed that the over dependency on a single currency also needs to be reduced as the abnormal rise in exchange rate of the US dollar in other currencies affected the global business and prices of basic commodities severely

Following the withdrawal by the western retailers and brands from Russia, the native Russian clothing retailers and brands started increasing their business in Russia as an opportunity for them was created with the withdrawal of the business by the western retailers and brands.

As a result, the Russian owned retailers and brands started sourcing goods from other countries like Bangladesh in a bulk quantity.

However, Bangladesh was almost unable to utilize this opportunity because of the payment problem. But the last week's decision of maintaining the yuan accounts with the banks will remove the problem, Hatem also said.

Many thought exports from Bangladesh to Russia would come to a halt after the Russia-Ukraine war began in February

as the transcontinental nation was slapped with numerous sanctions and embargoes that restrained its import activities.

However, shipments to Russia have been continuing thanks to the establishment of alternative shipping channels and payment systems.

Recent years, Russia emerged as a high potential export destination for Bangladesh in recent years but the war briefly paused the shipment of goods, especially apparel items.

Before the war, local exporters would ship goods from Chattogram port to Finland, where they were routed to the final destination in Russia's Saint Petersburg for distribution among importers.

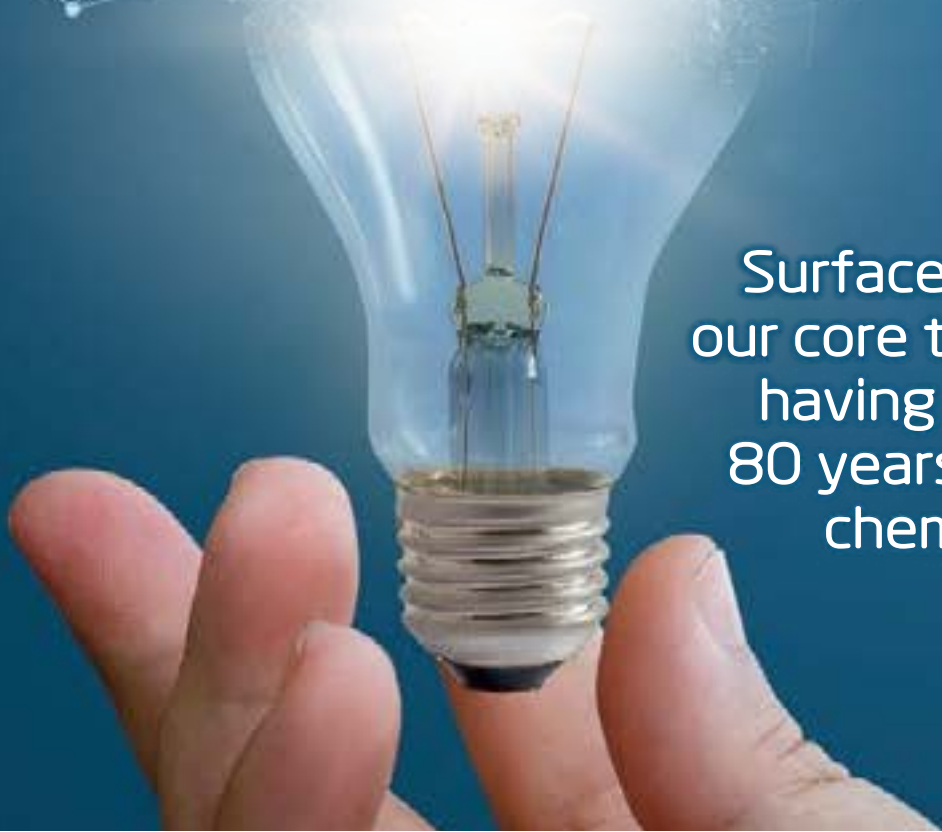
But the routes have since changed amid the war as many alternative paths have opened up.

As such, exporters now transit their goods through ports in Turkey, South Korea, Germany, China, Hong Kong, Singapore and Poland for shipping them to Russia.

Innovation in Textile Chemicals for a Sustainable society



Activate Your Life



Surface Science is
our core technology
having more than
80 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 (3rd 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 

Why export earning decreases in April

Arif-Uz-Zaman

In April of the current fiscal year, the country's export income was \$4.74 billion, 16.5 percent less than the same period of the previous year. With this, export income has decreased for two consecutive months.

Overall export earnings have declined mainly due to decline in exports of the ready-made garment industry. Export earnings of ready-made garments in April fell by 15.48 percent compared to the same period last year. During this period, the total export earnings fell short of the target by 22 percent.

Exports started to decline last March by 2.5 percent. The export gap over the target was 8 percent. This information is known from the latest report of Export Promotion Bureau (EPB).

Bank, dependence on single product and single market or region has become a major challenge in exporting products from the country. Currently 86 percent of the total export earnings come from ready-made garments. Among them, 78 percent of the export income is coming from Europe and the United States.

It will also be challenging to take steps to increase export earnings quickly by finding new markets. Due to these reasons, dependence on a single product and single market has become a major problem for export earnings.

The report emphasizes adding new products instead of relying on a single product to reduce risks to


export earnings. At the same time, the research report emphasized the importance of finding new markets without restricting exports to a single market or region.

In recent times entrepreneurs have started looking for new markets. But export of goods to new markets is growing at a very slow pace. Only 4 percent of total export earnings are in new markets.


Meanwhile, entrepreneurs cited the Eid-ul-Fitr holiday as the reason for the drop in exports by a large

margin. On this occasion there was more than a week of factory holiday. Some factories were closed till May Day. Production and export were stopped for an average of eight days. This is why exports were so low.



 Economic downturn in major market

 Decrease in RMG export

 Dollar, gas, electricity & fuel price hike

 Demand decrease for Russia-Ukraine war


 Lack of product & market diversification

Figure 1: The export income of the country is decreasing in recent times due to above reasons.

Apparel exports were worth \$3.33 billion in the just-ended April, compared to \$3.93 billion in the same period last year, BGMEA said. Garment exports fell by around 1 percent in the previous month of March as well. However, the growth in exports in February was 12 percent.

According to a research report of the Central Bank, the export income of the country is decreasing in recent times due to four reasons. These are - 1) Due to the war in Russia and Ukraine, the demand in the international market has decreased. 2) Bangladesh's main export markets are experiencing a severe economic downturn. Meanwhile, 3) The increase in the dollar, gas, electricity and fuel prices within the country has led to an increase in production costs and 4) Lack of diversification of export products.

According to the analysis of a report of the Central

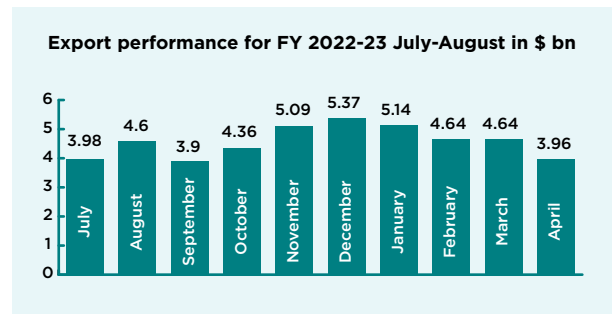


Figure 2: Export performance for FY 2022-23 July-August in \$ bn

Regarding decrease in export income, BGMEA president Faruque Hassan said, "We are already bleeding. We have been saying for several months that our purchase orders are decreasing. In addition to the purchase order, the price has also been low for the last two months."

It seems that this negative growth will continue in the future. Due to the war, global inflation has increased, the prices of goods have increased, if this is not controlled and the situation is not normalized, the income will decrease further, he added.

He said there was some impact due to the Eid holiday, which had a negative impact of 16 percent. But if there was no Eid holiday, it would have been 12-13 percent. However, decrease in purchase orders, customs harassment, non-availability of gas and

electricity are all the reasons for negative growth.

The BGMEA president said that the impact on world politics due to Russia-Ukraine war is reducing consumption demand in Europe and America. Now they don't have money to spend on fashion beyond basic expenses. Due to this, brand buyers have unsold products in their showrooms and warehouses.

He said that in terms of country-wise exports, garment exports to the United States are already negative. The same picture may be seen in exports to the European Union (EU) this time. In this situation of the conventional market, the entrepreneurs have increased their attention in the unconventional market. Exports to these markets are increasing. Entrepreneurs are trying to survive in non-traditional markets and value-added products.

EU countries back ban on destruction of unsold textiles

Imran Hossain

European Union governments agreed on Monday that the bloc should ban the destruction of unsold textiles, part of the EU's green push towards reducing waste through greater reuse and recycling.

Textile consumption in Europe has the fourth highest impact on the environment and climate change after food, housing, and mobility. About 5.8 million tonnes of textiles are discarded every year in the EU, approximately 11kg (24 pounds) per person, much of it put into landfill or incinerated.

The governments and the European Parliament need to agree on the Ecodesign Regulation before it can enter law. Under the initial March 2022 proposal by the European Commission, the Commission itself was to have determined at a later stage whether to put destruction bans in place.

However, the EU governments have agreed that a destruction ban on unsold clothing should apply immediately, rather than waiting for the EU executive to carry out an assessment that could have lasted three years.

Medium-sized companies, with



Figure: Textile consumption in Europe has the fourth highest impact on the environment and climate change after food, housing, and mobility.

fewer than 250 workers, would have a transition period of four years, while the smallest companies, with fewer than 50, would be exempt.

Spain, which will hold the six-month EU presidency from July, is likely to hold negotiations on the law with representatives from the European Parliament. The assembly still needs to establish its position, but it appears it may favour a ban on destroying unsold textiles and electronic appliances.

The new law would also create a

new "digital product passport" showing a product's environmental sustainability to help consumers make more informed choices.

The European Commission has said the destruction of unsold consumer products, such as textiles and footwear, is becoming a widespread problem across the EU, particularly due to the rise of online sales.

France already has an anti-waste law that bans the destruction of unsold non-food products.

The report first published in Reuters

LDC graduation may result in an export loss of \$7 billion

Arif-uz Zaman

Currently, 75 percent of Bangladesh's products are exported under some sort of preferential market facilities. Bangladesh will face a massive export loss in 2027, the year after it exits the list of Least Developed Countries (LDCs), amounting to \$7 billion. This figure has emerged in a report of the General Economics Department (GED) of the Ministry of Planning.

It is feared that Bangladesh's export, especially the export of readymade garments (RMG), will suffer more after LDC graduation. Then there may be more impact on the US and European markets. At present more than 80 percent of the export earnings come from the RMG sector.

According to the report of GED, under market facilities, Bangladeshi products are exported to countries where they have zero or minimal taxes. Each year, 72 percent of the products are exported to European Union countries under preferential market facilities.

GED report showed that in 2018, if there were no preferential market facilities for exports, then the garment sector would have suffered a loss of \$1 billion to \$4 billion.

According to the report, exports are expected to increase by 2027. The dollar price will also increase as well. If the market advantage is lost, there may be an export loss of \$7 billion.

However, Bangladesh has no advantage in the US market at present. And the country will get preferential market privileges in the European Union (EU) until 2029. But on the other hand, rival countries like Vietnam and India can gain additional advantages in that market which are likely to decrease Bangladesh's exports.

In this case, economists think that apparel exports to the US market should be sustained as we have grown in this market. Besides FTAs, PTAs and Economic Partnerships - should be looked at; to attract foreign investment and increase product quality.

The Ministry of Commerce has already started working on preferential market facilities. Negotiations are going on in various forums including the WTO regarding the continuation of market privileges with other countries including the European Union (EU).

Apart from this, the Ministry of



Figure 1: After LDC graduation, It is feared that Bangladesh's RMG export will suffer in the US and European markets.

Commerce has prepared a list of free trade area or FTA with 10 countries. The countries are Singapore, Indonesia, India, Nepal, Sri Lanka, Japan, USA, Canada, China and Malaysia.

A National Committee headed by the Principal Secretary to the Prime Minister has been formed to address the challenges of LDC graduation. Apart from this, research initiatives have been taken by identifying seven sectors. This program is coordinated by the Economic Relations Department (ERD) of the Ministry of Finance. For this, a project called 'Support to Sustainable Graduation Project' has been taken.

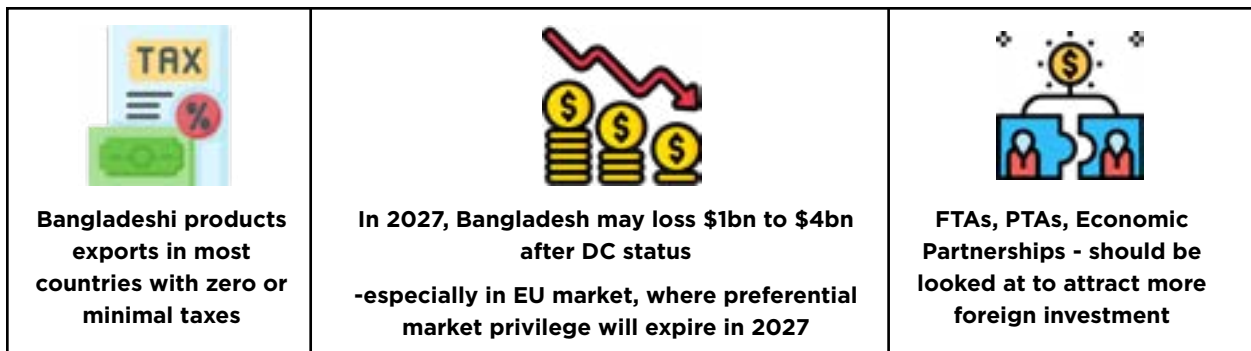


Figure 2: Present benefits under LDC status and challenges after graduating into DC country and way outs.

COMETA

CROCHET • NEEDLE LOOM • CORDS

Made in Italy

Our company was founded in the 80's by the creative idea of the founding partners, who moved by the passion and enthusiasm have put their knowledge and skills in order to get commercial and personal feedback that today make our enterprise an established reality in the panorama of textile machinery. In our production line we boast a wide range of crochet machines, needle looms and machines for cords.

www.cometaitaly.it



LOOM

TN 53

Loom for light-weight and medium-weight narrow fabrics

TN-JS

Jacquard loom for narrow fabrics - Staubli head



JACQUARD

TOPAZIO-R

Electronic crochet machine for production of ribbons, nets, technical articles and fancy yarns



CROCHET



CORDS

T106/6

Electronic machine for the production of 2 cords with 3 strands from \varnothing 5 to \varnothing 20mm



Exclusive Agent for COMETA Srl - ITALY

AB TECH ASSOCIATES is renowned indenting cum engineering company in Bangladesh and selling different types of machinery in the sector of Narrow Fabrics units and accessories with extra ordinary after sales service. We always committed to provide most advanced technology machines with best support for uninterrupted production of your industry. People employed here are qualified business graduates and qualified engineers from the renowned universities across the Country. Our Vision is to achieve 100% customer satisfaction by delivering quality products and services at an affordable cost.

AB TECH ASSOCIATES HOSE #26, ROAD #10, NIKUNJA-2 KHILKhet, DHAKA-1229 BANGLADESH.
CONTACT : +880 181 88 45000/ 01705539103 e-mail: biplob.abtec@gmail.com - www.abtechassociates.com



FARID AHMED (BIPLOB)
MBA (Major in Marketing)
Chief Executive Officer (CEO)
AB TECH ASSOCIATES



Dr. Frank Naumann, CEO, CHT Group

CHT confidently investing in Bangladesh textile industry aligning sector's growth and competitiveness

BTT Interview

Since the establishment of CHT R. Beitlich GmbH in Tübingen more than 60 years ago, the CHT/BEZEMA Group has developed into a worldwide company group focusing on special chemicals used as auxiliaries and additives as well for functionalization within industrial processes.

Since 2015, Dr. Frank Naumann has been leading the CHT Group. Dr. Frank Naumann is responsible as Managing Director for the entire Group for R&D, Marketing and Sales.

Recently, Dr. Frank Naumann, CEO, CHT Group in an interview with Textile Today, shared CHT's recent investment in Bangladesh's production facility as the Group believes the market will

keep growing and increase its competitiveness.

Textile Today: *Could you please briefly enlighten us about CHT Group and its contributions to the textile industry?*

Dr. Frank Naumann: First of all, this is a very special occasion, as we have inaugurated the CHT Bangladesh textile chemical production site on 9 May 2023 – to operate more closely with our Bangladeshi customers.

Also, 2023 has been very special – as this year marks the 70th anniversary of CHT Group. In the last 7 decades, we have grown into a €700 million sales organization with around 2400 people

employed and roughly around 450 million textile customers.

Textile Today: *Why have you chosen Bangladesh for opening a new textile chemical manufacturing factory?*

Dr. Frank Naumann: We started our cooperation with our local partner RH Corporation as an exclusive sales distributor in Bangladesh in the mid-90s. We always believed in the Bangladesh market and we do so even more. CHT Group has a DNA as the first mover in many areas of product innovation, as well as, investments in assets, and people. Having said that, this market continues to be a very important market. And we see potentially being closer

to the customers, shortening the lead-time, exploiting more opportunities for our customers and for us – these are synergies we want to create.

Textile Today: As CHT has been contributing to the leading fashion brands – and what are the major trends you see nowadays?

Dr. Frank Naumann: We believe in the synergies between working with fashion brands, textile mills, NGOs and with all stakeholders involved. Of course, the major fashion brands play a major role. CHT Group has strengthened its brand and retail management to better understand its needs.

For the last couple of years, in terms of megatrends, sustainability is leading among all the other trends. Second is higher textile quality and at the same time, offering very competitive prices. So, that might be a triangle – which suppliers like us need to solve. The brands and textile mills need to solve this.

Textile Today: Now, as you are manufacturing in Bangladesh, so will it going to help the brands and local textile manufacturers to achieve more environmental and price sustainability?

Dr. Frank Naumann: Brands want to be in a position where they can place their orders to the mills according to relatively fast trends, reactions, or market developments. And here comes our Bangladesh plant. We are able to directly supply our Bangladeshi textile mills with a very short lead time – delivering within a few days – which puts them in a better position to react to the demands of the brands. Ultimately increasing the competitiveness of the overall value chain.

Regarding sustainability, CHT has been placing really unique products globally – especially in the Bangladesh market. For instance, CHT's patented organIQ BLEACH system creates sustainably impressive used effects

and it is an organic and completely biodegradable bleaching agent for denim.

In addition, our BEZAPRINT pigments and printing pastes are 100% biodegradable – CHT's screen printing pastes comply with many RSLs and ecological guidelines of the various brands and ecological labels.

And in the long run, the global trend is going towards having less fast fashion – I think, quality and sustainable fashion will impact more and more in the Bangladesh market.

So, we believe that with our product ranges – quality will be improved – resulting in a longer lifespan of garments. And at

We believe that ultimately, the fashion industry will evolve to less fast fashion and more trends towards the circular economy. To cater to this, you need to have versatile chemical products to really create benefits for us and especially for textile customers.

the same time, the total cost of ownership will be reduced. For example, dyeing a high-quality black T-shirt will require less water, energy and ultimately less impact on the environment. Most importantly, it will make our customers more price competitive.

Textile Today: Could you share with us some of the key sustainability initiatives that your company has undertaken in the manufacturing process, and how do you plan to ensure that your products have a minimal environmental impact?

Dr. Frank Naumann: Indeed that is of utmost importance. CHT looks at its customers' sustainability processes and also looks very

carefully at its own manufacturing processes. As a testimony of that, we won several times in a row the 'National Award' from the chemical industry being the most sustainable company for the medium-sized companies.

We signed the UN's sustainable development goals (SDG). Where all the projects we initiate – have to be in line with the UN's SDG goals.

Not to mention, we are the first movers when it comes to biogas in our own production sites. We continuously measure waste, water treatment, etc.

Textile Today: CHT is an innovation-driven company. What is your current innovation focus? What new the industry can expect from an innovative company like CHT?

Dr. Frank Naumann: Sustainability plays a major role in our innovation focus. We look into biodegradable materials more and more. We are dealing with topics like – how can we reduce microplastic and self-healing polymers.

In terms of cost competitiveness, we keep in mind, using materials with ultimately the same performance or ideally even better performance at a better cost ratio. Sustainability and cost competitiveness – these two factors are definitely drivers.

When we talk about the circular economy – as fibers are getting recycled more often – the question that comes up is, can we treat them differently? This needs understanding and R&D. Because we believe that ultimately, the fashion industry will evolve to less fast fashion and more trends towards the circular economy. To cater to this, you need to have versatile chemical products to really create benefits for us and especially for textile customers.

Textile Today: For textile customers, energy cost rise – locally and globally – is a big issue. Do you consider this in your product line?



Figure 2: Dr. Frank Naumann, CEO, CHT Group discuss with Tareq Amin, Founder & CEO, Bangladesh Textile Today.

Dr. Frank Naumann: Indeed we consider this fact greatly. As I have mentioned regarding water saving and at the same time, less energy consumption regarding temperature, bath time and all these elements - we have to have an understanding of what chemical molecules within a chemical product can do in the processes.

We believe that smart chemistry and character can offset the current energy challenges.

Textile Today: *At the same time, you must need a strong support for the application as well. How do you design to support the customers? And how are you doing it in Bangladesh?*

Dr. Frank Naumann: Indeed, it is not only the lab chemists, bench chemists developing the products - it is also the customers, wherever they are and wherever they wish to apply the products in their individual processes. That needs application specialists and able service team. And CHT has strengthened that over the years. We feel that we are in a good position and we get good customer feedback.

As for Bangladesh, I am extremely impressed by the capabilities of our labs and the young engineers of the local team. And the highly sophisticated machinery and

process systems.

Textile Today: *Kindly share with us your impression of the Bangladesh textile industry.*

Dr. Frank Naumann: The textile industry here is moving in the right direction, as I have mentioned above - it is the quality. We, at CHT, also want to be long-term partners with customers who are focusing on quality. And being cost-competitive at the same time. And Bangladesh's textile industry is moving in the right direction of quality. And we are ready to support and help our customers.

we are strong on innovation and on service quality. And we believe, with all the challenges we have mentioned - reducing energy consumption and increasing cost competitiveness - I think there is more than a niche market for what we have to offer.

What I can foresee, Bangladesh's textile and garment industry will keep and increase its competitiveness. I am very

optimistic about the industry's growth. That is why we have made a substantial investment because we believe in the market. And for CHT, as a company, we are really focusing on this region and especially on Bangladesh.

Textile Today: *When in chemical supply chain major companies like Archroma and Huntsman merge would there be any impact of it? How CHT is positioning itself?*

Dr. Frank Naumann: It is a merge of Elephants, so to say. They are different from us. I mean we are a foundation-owned company for the last 70 years. We go for long-term relationships. We invest in medium or smaller-sized customers - where we can be present with our technical sales force.

For CHT, we believe that with our size and activity - with who we are and what we are capable of in developing products and our services - that we are in a very good position.

Textile Today: *What is CHT Group's core strength and how are you growing now?*

Dr. Frank Naumann: As mentioned before, we are strong on innovation and on service quality. And we believe, with all the challenges we have mentioned - reducing energy consumption and increasing cost competitiveness - I think there is more than a niche market for what we have to offer.

As a globally leading organization, we feel well positioned to offer today and also in the future for our textile customers.

Textile Today: *Kindly share your growth outlook.*

Dr. Frank Naumann: Over the last years, we have been growing significantly in the textile segment exclusively. To be precise €450 million. And I am very optimistic that we can grow at a very decent rate over the next few years.

70
YEARS

CHT

SMART CHEMISTRY
WITH CHARACTER.

ecoprint
by CHT

Meet us at ITMA in Milan | H5 - B204 | 8 - 14 June 2023

ecoprint
by CHT

REACTIVE PRINTING SYSTEM FOR C2C APPLICATIONS

ECOPRINT BY CHT FOR THE CIRCULAR ECONOMY

The **ECOPRINT by CHT** printing system developed by CHT combines, beside auxiliaries for pigment printing, a variety of dyes and auxiliaries for reactive printing that have been awarded a C2C Certified Material Health Certificate™ and therefore meet all the requirements of the circular economy. Transforming linear concepts into circular applications is a top priority at CHT. As a partner to the textile industry, we realize this rethinking together with our customers and with their requirements in mind. In this way we can continuously advance the innovation of sustainable products and systems, find new solutions and achieve common goals. We will be happy to advise you, so get in touch with us.

More about us at www.cht.com

Apna Organics to showcase innovative solutions at ITMA 2023

A H Monir

Mumbai-based leading chemical solution provider for the textile and garment industry – Apna Organics Pvt Ltd. to showcase innovative solutions at the upcoming ITMA 2023 (June 8-14) in Milan, Italy.

The family-owned Apna Organics Pvt Ltd. – for the last 55 years holds its exclusive sustainable identity in the textile and apparel industry upholding its theme 'Chemistries for a better tomorrow'. Apna Organics upholds sustainability as its core, passing from one generation to another and ensuring a certain standard of quality is maintained in all product ranges.

Shivam Saraf, Director of Apna Organics Pvt Ltd said to Textile Today regarding participation in ITMA 2023 “We are focusing on SDGs and efficient manufacturing. Our stall number is B303 in Hall 05. Our focus is helping our customers achieve their SDG targets. Also while achieving these targets, it's also important to maintain manufacturing efficiency which is becoming more important in every competitive market. These have been the focus of Apna Organics”



“Our products profile at ITMA will focus on reducing energy consumption, water consumption, non-renewable resources consumption and reducing the contact between people & chemicals” he added.

Apna Organics is committed to maintaining an environment that will attract and retain the very best mutual talent and in which both sides i.e. your and our creative excellence can flourish. The company aims to create added value for its clients and from its activities and efforts on their everywhere we work with them.

Apna Organics aims to be at the forefront of any innovation; under 'Sustainable Manufacturing,' they have launched a complete package for the textile and garment industry named 'Green-Tag™' by Apna Organics program as this initiative assists in

better leveraging by the brand manufacturers. This Green-Tag™ ensures that the garment or the fabric has complied with the best processes and the best chemicals.

Also, to enforce this credibility in the industry – ISO certified Apna Organics products hold certifications from GOTs VERSION 6.0 (more than 100 products), Ø ZDHC LEVEL 3 (more than 180 products), OEKO-TEX® ECO PASSPORT (around 80 products), Higg Index (Apna Organics has been a pioneer - Higgs ID: 19621), SCIVERA, ToxFMD, AATCC, EIM, GreenScreen, REACH Certification by EU, Signatory Member UN Global Compact and many more sustainable initiatives.

Our products profile at ITMA will focus on reducing energy consumption, water consumption, non-renewable resources consumption and reducing the contact between people & chemicals

Shivam Saraf

Director, Apna Organics Pvt Ltd.

The idea is to push the sustainable chemical manufacturing and usage of these products across the entire value chain. Apna Organics follows a balanced approach between theoretical and practical chemistry. The company provides an expanded range of products in the clothing category such as Denim, Knit, Sarees, Suiting, Polyamide (Nylon), Home textiles, Yarn dyeing, Printing Auxiliaries, and Specialty Finishes.

Apna Organics has a team of textile engineers worldwide who have worked on the floor level, giving them the practical dimension to think from, and have consultants around the world guiding them about the upcoming market trends and requirements.



APNA ORGANICS PVT. LTD.

AN ISO 9001:2015 | EN ISO 14001:2015 | ISO 45001:2018 Certified Company

"LEADING SOLUTION PROVIDER FOR TEXTILE & GARMENT INDUSTRY"

'The Chemistries For A Better Tomorrow'



KNIT FABRICS



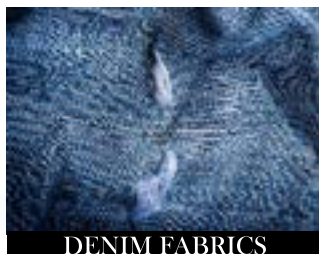
WOVEN FABRICS



YARN DYEING



TERRY TOWELS



DENIM FABRICS



SUITING FABRIC



HOME TEXTILE



GARMENTS



08 ____ 14 JUNE 2023
FIREA MILANO RHO
MILAN. ITALY
www.itma.com

HALL NO.5
BOOTH NO. B 303

Head Office
1st Floor Balashram Bldg., Tejpal Scheme Road.
3, Vile-Parle (E), Mumbai- 400 057, Maharashtra-India.
Tel.: +91-22-2683 1180 E-mail : apnaorganics@outlook.com



"CONTRIBUTING TOWARDS A BETTER TOMORROW".

Pailung's high pile fabric makes for extra-durable winter wear

Recyclable and low cost – Pailung's latest fabric technology uses knitting (not bonding) to produce High Pile fabric (without adhesive) for clothing, upholstery, and industrial use.

Pailung Story

At ITMA 2023, Pailung will exhibit its latest high pile fabric collection. The “Cozy Collection” includes High-Density High Pile, 2-Sided High Pile, and 3-Layer High Pile. They're ideal for outdoor, winter wear, coats and gloves.

These knitted High Pile fabrics feature a high density structure, and double-sided applications, with different colors and hair lengths. They're environmentally friendly, lightweight, warm, windproof, and they offer the wearer a full range of movement.

Ethical, vegan winter wear has relied all too heavily on adhesives. Ironically, garments that are labelled as ethical or vegan, may not actually be recyclable, and they could finish up in a landfill, incinerator, or the Great Pacific garbage patch.

Thanks to new advances in knitting machinery, Pailung has developed a plush alternative that's both ethical and sustainable. It can be manufactured economically, without sacrificing the premium quality that world-class fashion and apparel brands expect.

Durable and Recyclable

High Pile fabrics are usually bonded with an adhesive, sealing the layers together, but this creates a problem for recycling. In order to recycle a High Pile fabric, the layers first need to be separated from one another, and adhesives make this very difficult.

Pailung presents a solution, whereby the layers are knitted together, eliminating adhesives from the production process. Specific combinations of yarn

can be selected for recyclability, and recycled yarns can also be utilized. Provided that each layer is itself recyclable, the entire High Pile fabric can be recycled.

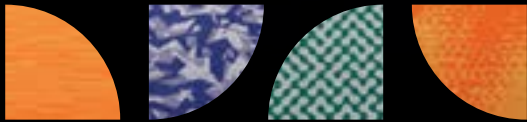
Another added benefit is durability. Because Pailung's high pile fabric is knitted, not bonded, the resulting fabric is incredibly durable. Whereas, adhesives deteriorate over repeated washing cycles, knitted fabrics retain their strength. The surface maintains a high level of anti-pilling friction, while the bottom layer resists snagging and shedding.

Low Production Cost

The process of knitting Pailung's 3-layer high pile fabric is much less labor-intensive than traditional processes, which require at least one lamination step, followed by two further knitting steps. Instead, Pailung's High Pile fabric requires just the knitting



Knit Beyond Boundaries



At Pailung, we innovate year-round to provide our clients with more advanced, efficient, and sustainable solutions. This June, we'll put these innovations on display in Milan as we Knit Beyond Boundaries at ITMA 2023.

During ITMA, Pailung will show how our breakthrough AlterKnit™ technology, cutting-edge MES solution, and brand-new fabric defect detection system are overcoming industry-wide challenges stitch by stitch. We'll also host seminars to introduce five of our fabric collections.

We look forward to meeting you at ITMA

Milan, 8-14 June 2023

Hall 2 Booth C101

Register for seminars



Find us online:

www.pailung.com.tw



PAILUNG

THE FABRIC OF INNOVATION


AlterKnit
PAILUNG



steps. Not only does it save manpower; it also saves time, and reduces power consumption.

At the same time, it doesn't limit flexibility in terms of design or manufacturing. The length of fibers on both sides of the fabric can be directly controlled on the knitting machine, creating many possibilities for designers. Furthermore, when printing patterns on one side, the patterns will not bleed through to the other side.

In turn, the length of fiber control also minimizes the subsequent shearing process for manufacturers.

Comparison with Sliver Knit Fabric

Pailung's High Pile can achieve a similar density to Sliver Knit fabrics. Similarly with Pailung's High Pile fabric technology, Sliver Knit fabrics are produced

by circular knitting machines. The main difference between them comes from the production process.

In Sliver Knitting, the face fibers that imitate fur are attached to the fabric, by means of a knitting sliver and base yarn. Sliver knit fabrics have longer and denser piles on the fabric surface than most pile jerseys, but the Sliver Knit fibers are difficult to collect, and the final fabric is usually heavier than Pailung's High Pile.

ITMA 2023

Visit Pailung's booth (Hall 2, C101) to feel this new, high pile fabric for yourself. Scan the QR code to register for a seminar where you can learn more about Pailung's Cozy Collection and High Pile fabric technology.

Japan emerges as most promising market for RMG

Arif Uz Zaman

Japan is one of the most promising markets for the export of ready-made garments. In the last 9 months of the current fiscal year, among the non-traditional markets, Japan is the only country where exports have crossed the \$1 billion mark. BGMEA has set a target of doubling exports by 2025.

Prime Minister Sheikh Hasina arrived in Japan on a four-day visit on April 25 (Tuesday). At least 8 MoUs are expected to be signed during the visit, including on tariff concessions. Free Trade Agreements (FTAs) may be negotiated between the two countries to continue the duty-free benefits after transition from LDCs.

BGMEA President Faruque Hassan, BTMA President Mohammad Ali Khokon and BKMEA Executive President Mohammad Hatim accompanied the Prime Minister for discussion on this issue. In addition to the government level, they will also meet with local business organizations in this regard.

According to BGMEA's own research, Japan is at the top as the most promising market in the coming years. As such, they have set a target of doubling the current export to Japan by 2025. For this purpose, in addition to product development, several rounds of visits have been exchanged with the businessmen of the country.

Exports to Japan have soared mainly due to increased investment in manmade fiber garments. There is a high demand for such over clothes in Japan. Besides, the China Plus policy also has a big role to play. China is gradually withdrawing from garment exports. Importing clothes from other countries as an alternative to China is called the China Plus policy.

Exports to Japan have increased by 44 percent to \$1.22 billion in the last 9 months from July to March

of the current fiscal year, highest among non-traditional markets. In the last financial year alone, the export of clothing worth \$110 billion crossed the \$100 billion milestone.

It is expected that FTA will gain importance in government level talks during Prime Minister's visit to retain exports even after LDC. Besides, the matter will be highlighted by BGMEA in private level discussions as well.

Previously, Japan had three levels of origin requirements to receive duty-free benefits for garment exports. Imported cotton had to be used to make yarn, yarn to fabric and fabric to apparel. Due to this condition, the possibility of exporting to Japan is being hindered. During Prime Minister Sheikh Hasina's visit to Japan in 2010, the Japanese government announced a relaxation of the rules of origin. Since then, exports have continued to grow in Japan.

BE THE CHANGE
BE SGS

MADE IN BANGLADESH

Tested Means Trusted

As the world becomes more connected, brands, manufacturers, retailers, and governments must ensure the safety, quality and regulatory conformity of their products and services. We provide the world's most comprehensive range of inspection, testing, certification, and advisory services, powered by leading technology and digital tools. Our global network of experts supports you at every stage from design, production and regulatory compliance to the import and export of goods.

Quality expectations and the range of safety requirements that must be achieved become more complex every day. To help you meet these requirements, we offer a complete range of services to manufacturers, importers, exporters, and retailers of consumer products. Our services include laboratory testing, product inspection and consulting, process assessment, technical and transactional assistance.

Our innovative solutions help you to deliver safe, accessible, high-quality products and services in stores and online, ensure secure connectivity, reduce risk, and build consumer trust.

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 **97,000** employees operate a network of **2,650** offices



lab.bangladesh@sgs.com

<https://www.sgs.com>

WHEN YOU NEED TO BE SURE

SGS



HT MULTI-PLUS KUMAŞ BOYAMA MAKİNESİ Fabric Dyeing Machine

Minimun Consumption Maximum Loading (Without Plaiter)

- Unique Design
- The Lowest Water Consumption
- The Minimum Space Requirement
- Same Nozzle Dimension Threads All Fabrics
- Homogeneous Water Flow in each Nozzles



ITMA 2023

08 — 14
JUNE 2023

- L&G MILANO P.O.
MILAN . ITALY
www.itma.com

HALL: 11 BOOTH: E210

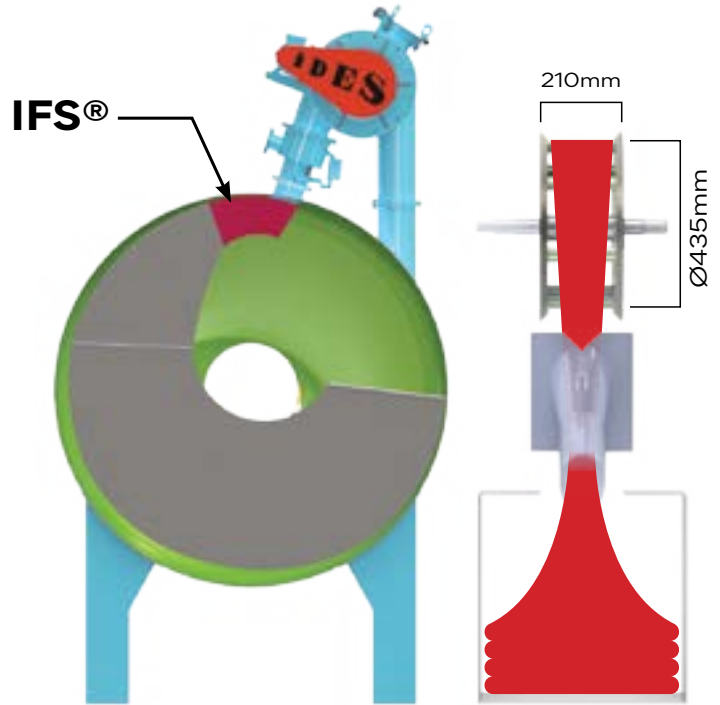
Local Agent:



Address: House#74 (Flat - A1), Lake Drive Road
Sector#07, Uttara, Dhaka 1230, Bangladesh

Cell: +880 1893479400; +880 1712401272

E-mail: texmedia90@gmail.com





Dysin
Presents

Factory Tales

Branding Bangladesh Textile & Apparel

May 2023

A Textile Today Initiative | Published with Volume 16, Issue 05 | Pages 42 to 68

Branding Bangladesh Textile & Apparel
Factory Tales
May 2023



Bangladesh transforms itself into the safest hub for garment manufacturing

Knit Asia Ltd becomes world's 3rd best green factory

Bangladesh's reliance on natural gas shifting towards renewable energy for sake of textile industry

Atexco®

Vega One

Single Pass Hi-speed, Hi-Sharpness Digital Textile Printer

- Printing speed up to 80m/minute
- Head configuration up to 304pcs Kyocera printhead
- Color channels up to 8
- Printing width 1300mm, 1800mm, or Customized size



 **Dysin**

High Efficiency Pro Dryer saves energy, with filters, less maintenance

Compact Printing Chamber. 4 colours in one bar, delivers higher sharpness.

High Precision Belt System



Printhead Crash Protecting System

Automatic Head Cleaning System
1 colour 1 wiper, easy and fast.

Better Sharpness than Multi-Pass Digital Printer

Block Patterns



High Sharpness



Atexco Water Based Ink

High Density
Eco Friendly

Eco-Passport certified

Atexco®

Hangzhou Honghua Digital
Technology Stock Co., Ltd.
Zhejiang, China

Represented in Bangladesh by:

 **Dysin International Ltd.**

Machinery Division

Corporate Head Office

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

Phone: +880-2-48315504, 48312049, 48316729, 48315060

Cell: +88 01730 338766, 01713 856752

E-mail: machinery@dysin.com, Web: www.dysin.com

Reshaping for survival: Bangladesh's textile and apparel industry poised for exponential growth

Rahbar Hossain

Despite lots of challenges, Bangladesh's textile and apparel industry holds a strong position in the world market. Bangladesh RMG export reached US\$ 38.57 billion during July- April of FY2022-23 with a 9.09% growth compared to the same period of FY2021-22. Product category analysis shows that the export of knitwear fetched US\$ 20.96 billion, while the earnings from woven garments were US\$ 17.60 billion, both registering 8.97% and 9.24% year-over-year growth respectively.

This is statistical data that's showing everything going fine. But the industry going through many critical situations and crises like-

- Almost 80% of factories are facing gas crisis.
- Demand for a minimum wage of 22,000 taka for workers.
- Due to the global recession, the price of cotton has decreased, causing major textile exporters to face difficulties and factories those who placed orders before are now at risk of incurring a huge loss.
- Due to the dollar crisis, many factories also can't purchase cotton and run under capacity. According to industry insight, 90% of spinning factories are now running at a loss for the overall situation.
- Half of the knitting factories have reduced production and 35+ factories have closed. Knitting costs also increased by almost 90%.
- Factories are not getting credit to open LC for spare parts which are essential to ensure production.
- Leading brands are approaching slowly to place orders; thus, garment factories are running under production capacity.
- Many new factories are delayed to go for production as banks do not have enough solvent to give working capital.

There is a lot more crisis that the industry daily facing and overcoming. But what we can do our best

to survive and sustain the business?

According to industry experts, spinning factories should more focus on cotton purchasing and hire market experts to minimize risk. Factories have to redesign their set-up from a 100% cotton production facility to diversified yarn production.

Big-volume garment factories also have to change their bulk production facility to modular production facilities to cater to small orders. From the pandemic period, end users buying behavior changed. People are now less interested in fast fashion and more buying durable products.

We should explore the Middle East to reduce business risk as this market has huge consumption and the customers are also solvent of this area compared to EU and USA.

Among all those, the good news is Bangladesh's garment exports to non-traditional markets increased by 30.80 percent and reached \$7.00 billion during July-April of FY 2022-23. Among non-traditional markets, Bangladesh exports to major markets like Japan, Australia, India, and South Korea were \$1.32 billion, \$961.30 million, \$889.06 million, and \$477.81 million respectively.

We should explore the Middle East to reduce business risk as this market has huge consumption and the customers are also solvent of this area compared to EU and USA.

This is the time to survive and the industry is reshaping as per global requirements. If we can survive this crisis period, Bangladesh's textile and apparel industry will multiply in the coming days.

The Team

Tareq Amin

Founder & CEO

.....

Amzad Hossain Monir

Head of Business Development

.....

Rahbar Hossain

Business Development

.....

**SN Abdullah
Nurnahar Tania**

Arif-uz-Zaman

Research & Development

.....

Sanjoy Kumar Saha

Engagement & Communication

.....

Yeasin Mia

Graphic Design

.....

Zakir Hossain

Jr. Executive, Web & IT

.....

Ashraful Alam

Cinematographer

.....

Umeduzzaman Khan Uchhas

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

Reshaping for survival:
Bangladesh's textile and
apparel industry poised for
exponential growth

47-48 | FT Cover Story



Bangladesh transforms
itself into the safest hub
for garment manufacturing

47-48 | FT Cover Story



Bangladesh transforms
itself into the safest hub
for garment manufacturing

48 | Industry Best Practices



Knit Asia Ltd becomes world's
3rd best green factory

50-52 | Sustainable Energy



Bangladesh's reliance
on natural gas shifting
towards renewable energy
for sake of textile industry

52 | Industry Award

Apna Organics awarded
as a top textile chemical
manufacturer in Asia

53 | News & Analysis

Historic May Day and
Bangladesh RMG workers

56 | Industry Leaders



Govt. honors 44 business
leaders as commercially
important persons

59 | Trade & Biz

Bangladesh likely to get
advantage from Vietnam
garments block

60 | Digital Printing Market



Digital printing market is expected
to reach \$39.7bn by 2028

62 | Innovation in Energy



Huawei Empowers Bangladesh's
Renewable Energy Sector with
'Huawei Installer Workshop 2023'

64 | Industry 4.0

XdotO concepts take cutting-
edge industry 4.0 solutions to
global market at ITMA 2023 in
Italy



Figure: Bangladesh marked 10 years after Rana Plaza disaster on April 24 – in the period – the country’s textile and apparel industry has witnessed a massive transition and is now considered the safest hub for garment manufacturing globally. On the picture: Knit Asia Ltd. (Unit-2) – the 3rd Best Green Factory in the world

“The RMG industry of Bangladesh is strongly focusing on the transition towards a Green industry to pursue growth in a more sustainable and stay competitive in the long run,”

- Faruque Hassan
President, BGMEA

Bangladesh transforms itself into the safest hub for garment manufacturing

FT Team

Bangladesh marked 10 years after Rana Plaza disaster on April 24 – as the country’s economic backbone sector – the textile and apparel industry has witnessed a massive transition and is now considered the safest hub for garment manufacturing globally. Now the country is an ideal destination for export-oriented ready-made garment (RMG) factories’ full compliance with international safety standards.

As a testament to that, Bangladesh has recently become the country that accommodates half of the world’s top 100 U.S. Green Building Council (USGBC) LEED-certified green industrial units as textile and apparel entrepreneurs have been investing heavily in environment-friendly manufacturing facilities.

After the Rana Plaza tragedy in 2013, the country’s apparel sector entrepreneurs were engrossed in issues related to carbon, energy, and environmental quality to enhance the industry’s image at the global level and to get more attention from reputed brands and retailers.

Currently, Bangladesh has 192 LEED-certified green factories, and 9 out of the world’s top 10 green garment factories are in Bangladesh. 48 out of the world’s top 100 green industrial projects are in Bangladesh and 500 more

factories are in the process of getting LEED certification.

“The RMG industry of Bangladesh has been proactively addressing the global demand for sustainable and emission-free products. So far Bangladesh has the highest number of USGBC Certified LEED green garment factories in the world, with 192 LEED Green Factories of which 67 are platinum rated, and with 550+ factories in the process of being certified. This number is increasing,” Faruque Hassan, President, BGMEA said.

“The RMG industry of Bangladesh is strongly focusing on the transition towards a Green industry to pursue growth in a more sustainable and stay competitive in the long run,” added Faruque Hassan.

Hassan said that the authorities “strictly monitor the subcontractor factories.” He added, “We have instructed our member factories to only hire subcontractors that comply with safety regulations and take approval from the retailer client before hiring.”

A ‘Huge Transition’ in Workplace Safety

In addition, the RMG industry overhauled its workplace safety – to be regarded as a global leader in the arena.

President of the Bangladesh Garment Manufacturers and Exporters Association (BGMEA) Faruque Hassan said, “We have conducted detailed audits of the fire, electrical, and structural safety of every garment factory and have adopted a zero-tolerance policy toward safety lapses. A massive transition occurred after the Rana Plaza tragedy. We have closed down many factories that were deemed unsafe.”

“We have taken the Rana Plaza accident as a lesson and [have been] working very strictly on safety since then. For that, the buyers also gained confidence in us. In terms of safety, we think the Bangladeshi factories are the best,” Faruque Hassan said.

Actions by buyer unions (like the Accord and Alliance), the government, and the RMG Sustainability Council (RSC) have surely resulted in safety procedures being applied to increase worker safety in RMG factories.

Ever since the Rana Plaza collapse, Bangladesh’s RMG industry has made significant progress in areas such as factory safety, infrastructure risk mitigation, worker health, empowerment, and working environment. The Accord on Building and Fire Safety in Bangladesh and the Alliance for

Bangladesh Worker Safety, both foreign buyer initiatives, have played a pivotal role in driving these improvements.

The Alliance ended its tenure in December 2018 and handed over its charge to Nirapon, a non-profit organization. On June 1, 2020, the RMG Sustainability Council (RSC) took over the Accord operations and started functioning as a safety monitoring body in the RMG sector in Bangladesh.

Prior to the Rana Plaza collapse in 2013, the minimum wage for garment workers in Bangladesh was 3,000 taka (around \$28 as per current exchange rates) per month, which was later increased

to 5,300 taka in November 2013 and 8,000 taka in 2018.

Workers often work overtime to earn extra wages to support their families. Since the tragedy, there has been improvement in the ability to form trade unions to protect workers' rights.

And recently, a pilot program called the Employment Injury Scheme (EIS) has been launched with backing from the German and Dutch governments.

The EIS is a social protection program that provides compensation for medical treatment, rehabilitation services, and income loss due to occupational injuries or diseases.

The Ministry of Labor and Employment, in collaboration with the ILO, launched this scheme which will cover 4 million garment workers in Bangladesh. Nine out of the 300-plus foreign retailers that source garments from Bangladesh have voluntarily contributed to the EIS.

Moreover, the Rana Plaza tragedy will forever remain a lingering reminder of the human cost of unsafe working conditions and exploitative practices in global fashion brands. While there has been development over the past 10 years, with initiatives and efforts by various stakeholders, much work remains to be done to ensure fair and respectful treatment of workers.

Knit Asia Ltd becomes world's 3rd best green factory

Textile Today Analysis

Knit Asia Limited, a concern of New Asia Group has been recognized as the 3rd Best Green Factory in the world and awarded the LEED Platinum certification in Bangladesh with 99 points.



Figure: Knit Asia Limited has been recognized as the 3rd Best Green Factory in the world, and awarded the LEED Platinum certification in Bangladesh with 99 points.

This prestigious recognition is the highest-level certification for an environmentally friendly construction.

This achievement has come true due to the vision and effort of Abdul Matin Chowdhury, Managing Director, Knit Asia Limited; Siddique Hassan, Advisor to Management and entire project team.

The New Asia Group is comprised

of six individual entities that form a vertically integrated apparel manufacturing organization, headquartered in Dhaka, Bangladesh.

Established in 1987, the Group started out with Rahim Textile Mills, a dyeing and printing mill for both knit and woven fabrics.

Since then, they have expanded into the production of greige yarn (for both knitted and denim garments), denim fabric, knitted garments, sweater garments and denim garments, which supply some of the world's most well-recognized retail brands and are distributed to stores across the world.

As a group, they are a vertically integrated manufacturer where over 20,000 people are employed with full traceability from RM to finished product for diversified product ranges. Yearly turnover is more than \$350 million USD.

Besides that, sustainability and green practices are in the core value of New Asia Group and Knit Asia Limited, a shining example of the same and now achieved LEED PLATINUM Certificate under USGBC(LEED) BD+C v4 Category with 99 LEED Points. Knit Asia

Limited became the 3rd Best Green Factory in the World.

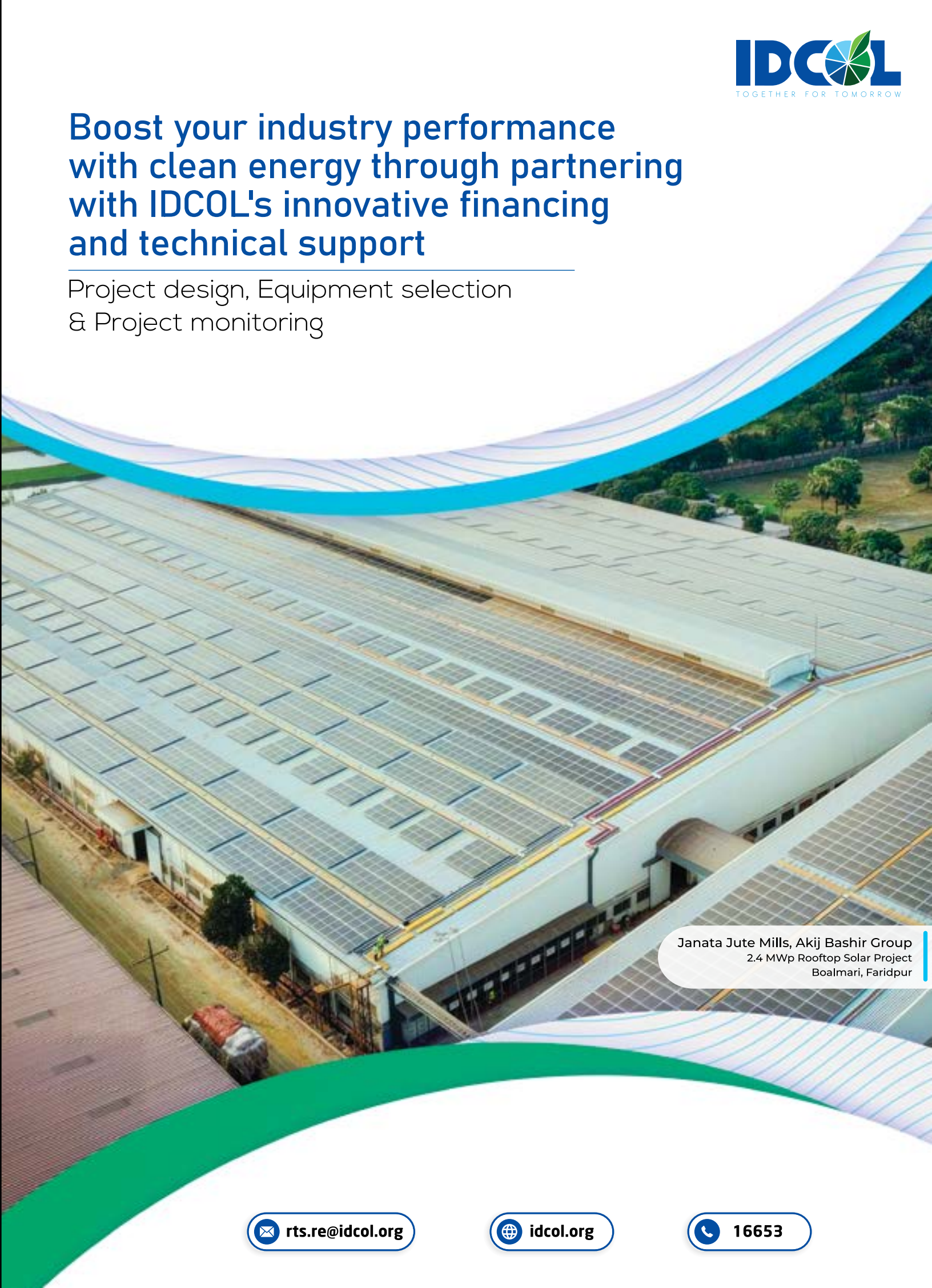
360 TSL implemented the project. 360 TSL is a pioneer and leader in Green Building Consultancy Services in Bangladesh and now Consulting/consulted 307 Projects with 95 Companies and 122 million Sft.

According to Ananta Ahmed, USGBC Faculty, LEED AP BD+C, ID+C, EB O+M, HOMES, ND, Principal LEED Consultant & Managing Director, "As we do with all projects, we visit the site, complete the feasibility study and discuss with the client to know their requirements and DREAM. So, we can guide the Project Team in a meaningful way. We visited the site with Design Team, provide our guidance, and with that Design Team created a 'Building Design' which will blend with nature."

On a final note, Green Building Concept is not just a certificate; rather it is the 'Most Profitable and Environment-friendly Business Management System' and also an Ongoing Process, which requires continual improvement in all aspects of company or organization portfolios.

Boost your industry performance with clean energy through partnering with IDCOL's innovative financing and technical support

Project design, Equipment selection
& Project monitoring



Janata Jute Mills, Akij Bashir Group
2.4 MWp Rooftop Solar Project
Boalmari, Faridpur



Figure: Textile Engineers and experts are already willing to find some sort of renewable energy to implement in the process for making the whole production run smoother and better.

Textile industry showing the path to shift reliance from natural gas to renewable energy

Staff Correspondent

The latest gas price hike in Bangladesh has troubled the textile industry, which will try to shift the burden onto consumers by raising prices, and that in turn will affect their global competitiveness.

As Bangladesh's fast-growing economy has become increasingly reliant on imported fuels such as liquefied natural gas to meet its burgeoning energy demands, market volatility caused by Russia's invasion of Ukraine has resulted in gas supply constraints and power outages.

And, as the dollar strengthened against the Bangladesh taka, the government boosted gas and electricity bills considerably in the previous year to reduce energy subsidies. Textile companies are continuing to lack consistent gas supplies for their manufacturing units.

Textile Engineers and experts are already willing to find some sort of renewable energy to implement in the process for making the whole production run smoother and better. The dire need for this renewable energy is also being seen by Govt. and other involved organizations to solve the mitigating gas price and energy shortage.

Bangladesh Petrobangla created a 2024-2050 Integrated Energy and Power Master Plan with the purpose of guaranteeing a cheap, sustainable, and secure energy supply. Energy experts say the draft plan, which is about to be finalized, reveals encouraging improvements, such as a reduced emphasis on coal, but they are concerned about increasing reliance on liquefied natural gas and vague expectations for renewable energy sources.

Several analysts said Bangladesh should invest more in clean energy such as solar if it is to meet a target of generating 40% of its power from renewables, and that doing so would ultimately prove far more economical than spending heavily on fuel imports.

In 2021-22, natural gas generated 55% of the country's power, achieving the aim of universal electrical access. According to the proposed plan, gas use in the energy industry would increase from 160% to 360% to generate 30% of electricity by 2050.

Because the local gas output is not likely to increase significantly, the idea attempts to expedite energy imports. To fulfill growing

energy demand, imports of liquefied natural gas are expected to increase from 4.6 million tons in 2022 to 49 million tons in 2050.

According to various energy experts, one of the primary issues with depending on liquefied natural gas imports is price instability. When prices surged in the aftermath of Russia's conflict with Ukraine, Bangladesh was forced to halt imports of liquefied natural gas on the spot market in July 2022.

The energy plan's reliance on imported fossil fuels also contradicts Bangladesh's national aim of increasing the percentage of clean energy in the country's power mix. These issues have to be solved as soon as possible of the textile industry's ongoing need for energy and power.

The initiatives taken by Govt. can help initiate and solve the upcoming energy distortions in Textile industries.

In 2021, the Bangladesh government set a target to generate 40% of its power from renewables, up from a previous aim of 30%. The nation's renewable energy capacity stands at 967 megawatts, which is just

The World Leading PV and Smart Energy Total Solution Provider

We are proud to be recognised as 'Top Bankable
Module Supplier' by BloombergNEF since 2016.



25 World Records
2011 - 2022



23000+
Employees



9.5GW+
On-grid Projects



120GW+
Cumulative Shipments



150+ Countries
Customers

over 3.7% of the total installed power generation capacity.

The government stated in a 2021 climate plan that moving from fossil-fuel reliance to a low-carbon paradigm based on renewables and energy efficiency may produce up to 55,000 additional employment between 2016 and 2030. However, despite its promise, the rise of solar energy in Bangladesh has been hampered by constraints such as high tax rates.

To attain the 40% target, the draft plan includes options such as boosting the use of nuclear power, carbon capture and storage technology and ammonia and hydrogen technologies. But these technologies are in the development stage right now.

According to the Institute for

Energy Economics and Financial Analysis, Bangladesh may quickly install around 12,500 megawatts

Bangladesh should invest more in clean energy such as solar if it is to meet a target of generating 40% of its power from renewables, and that doing so would ultimately prove far more economical than spending heavily on fuel imports.

of renewable energy by deploying solar electricity on roofs and other suitable locations without taking up any agricultural land in the country's

space-starved country.

This type of renewable investment might potentially save a significant amount of money on gasoline imports.

Bangladesh could save about \$1.1 billion on fuel import costs annually by installing 2,000 megawatts of solar power and replacing diesel-run irrigation with solar-powered systems.

Industries should also come forward to these initiatives and implement renewable energy sources to their process. The industries have to spend their R&D for finding alternative energy solutions for the upcoming industrial revolution.

The energy crisis should be solved by the participation of both Govt. and Industry synchronously for a sustainable way ahead.

Apna Organics awarded as a top textile chemical manufacturer in Asia

Sayed Abdullah

Apna Organics Private Limited has been selected by Asia Business Outlook as one of the 'Top 10 Textile Chemical Manufacturers in Asia - 2023'.

Apna Organics aims to be at the forefront of any innovation; under 'Sustainable Manufacturing,' they have launched a complete package for the textile and garment industry named 'Green-Tag by Apna Organics program as this initiative assists in better leveraging by the brand manufacturers.

"We have people associated with us over 4-5 decades who have seen the textile industry from nascent stage to today's age, that gives us a better understanding to application end of the chemistry over the many years including the limitations", says Santosh Saraf, Director, Apna Organics.

"Apna Organics is a trustworthy brand into manufacturing of textile specialty chemicals," added, Santosh Saraf.

Apna Organics follows a balanced approach between theoretical and practical chemistry. The company provides an expanded range of products in the clothing category such as Denim, Knit, Sarees, Suiting, Polyamide (Nylon), Home textiles, Yarn dyeing, Printing Auxiliaries and Specialty Finishes.



"Our 'Quality First' approach has been the ethos of this family-managed organization where they have refused to supply products to customers who do not qualify for the stringent system. We believe we are not selling chemicals but providing our customers with a sustainable solution", Santosh said.

Apna Organics has a team of textile engineers worldwide who have worked on the floor level, giving them the practical dimension to think from and have consultants around the world guiding them about the upcoming market trends and requirements. The company believes in understanding chemistry from a theoretical and practical approach and applying it successfully, which is one of its crucial differential factors.

Historic May Day and Bangladesh RMG workers

Textile Today Analysis

Today is the historic May Day. A day to recognize the movement and struggle of working people worldwide. The day is celebrated around the world on May 1 every year to honor the workers' demands. Like other countries of the world, the day is celebrated with importance in Bangladesh.

The garment industry of Bangladesh started its journey in the sixties. However, in the late seventies, this industry began to develop as an export-oriented sector. Currently, it is the largest export-oriented industry in Bangladesh. 84% of the country's total export earnings are earned from garment exports.

About 4.4 million workers are behind this success, of which about 60 percent are women. Apart from this, about 10 million workers in backward and forward industries are directly and indirectly involved in this sector.

And so the government and BGMEA are working tirelessly to improve the quality of life of the RMG workers. The Bangladesh Labor (Amendment) Act-2018 has been enacted to modernize the Bangladesh Labor Act to ensure a safe working environment, social security and worker welfare by maintaining harmony and good relations between employers and workers.

The amended Act makes it mandatory to form a Safety Committee and an Elected Participation Committee in every factory. In addition, the minimum wage in the garment industry has increased by 381 percent since 2010. A wage hike is mandatory as per law.

A Central Fund has also been constituted for the welfare of the workers, to which the entrepreneurs of the garment industry are contributing. About \$12 million have been given to this fund from the garment sector in the last financial year, which will continue to grow simultaneously with the increase in garment exports in the coming days. From this fund, financial assistance is regularly provided from the central fund for the treatment of the workers, for the higher education of their children and for the families of the workers who have suffered accidents at work.

National Labor Policy-2012, National Child Labor Elimination Policy-2010, National Occupational Health and Safety Policy-2013, Bangladesh Labor Rules-2015 and Domestic Workers Protection and Welfare Policy-2015 have been formulated to ensure social status, health and safety of workers. A round-the-clock toll-free helpline (16357) has been launched to receive complaints, redressal of

complaints and provide necessary advice to workers regarding any problem.

Bangladesh has already successfully achieved the Millennium Development Goals (MDGs) and is working towards achieving the Sustainable Development Goals (SDGs) by 2030. BGMEA's significant social ambition is to create employment opportunities for around 6 million people by 2030. This will have a direct impact on SDG 1: No poverty and SDG 2: Zero hunger.

BGMEA is working towards achieving 100% gender equality in industry by 2030. It will help with 'SDG 5-Gender Equality' and 'SDG 10: Reduced of Inequalities'. BGMEA wants to ensure 100% safe workplace and decent work environment by 2030. This will have a direct impact on SDG 8: Decent Work and Economic Growth.

Good health and welfare of workers is a prerequisite for sustainable industry. Hence BGMEA wants to ensure 100% health and welfare system for workers by 2030. It is directly related to 'SDG 3: Good health and well-being'.

Meanwhile, Bangladesh is globally acclaimed as one of the safest and most eco-friendly garment manufacturing countries in the world. Apparel industry is leading the way in green industrialization today. Home to the largest number of green factories certified by the USGBC, Bangladesh now has 192 lead green factories, of which 68 are platinum rated and 111 are gold rated. 8 of the world's top 10 green factories are located in Bangladesh.

BGMEA targets SDG by 2030



Ensure 100% health & welfare system



Create employment opportunities for 6mn



Achieve 100% gender equality



Ensure 100% safe workplace & decent work environment

Figure 1: BGMEA's target for SDG goal by 2030

According to a recent survey of 500 workers at various levels from 100 factories by researchers at the Institute of Business Administration (IBA), Dhaka University, 84.2 percent of garment workers feel safe at their workplace. 93 percent of workers are interested in working in the industry for at least 5 years. 91.2 percent of workers get bonuses on time and 94 percent of employees are satisfied with their work.

The IBA survey also revealed that 80 percent of participating workers were satisfied with their salaries. About 95 percent of workers reported high satisfaction regarding workplace facilities like toilets, sanitation, lunch hour and canteen, clean drinking

water, transportation facilities. An average of 75 percent of workers receive paid maternity and sick leave. 69.4 percent received fire drill training from their workplace.

However, there is a 51 to 60 percent difference in the wages of women garment workers in different regions of the country. There is a wide gap in wages for women as well as for men. This information was recently reported in the report entitled 'Living Ways, Living Planet: September 2022 Update'.

Currently, the wages of the workers are still very low. A laborer has to live hard on a minimum wage of Tk. 8000. However, researchers feel that this salary is not enough for a standard living. The hope is that a board

has already been formed to restructure the wages of garment workers. Factory owners have also expressed a positive attitude about the increase in wages. It is expected that they will get the new salary structure at the earliest.

However, the RMG sector of Bangladesh invests in the proper working environment for the workers and the conditions given by the foreign buyers, but the foreign buyers are not increasing the purchase price of Bangladeshi-made garments. This mentality of the buying firms is largely responsible for the low wages of the RMG workers. BGMEA and other business organizations have been urging foreign buyers to pay fair prices for apparel to save the industry and increase the wages of workers.

In such a situation, the government has to take the main responsibility by coordinating all the concerned parties to ensure the fair work and safety of the workers of the garment industry. Employers, workers, governments and international brands must take responsibility for creating decent work and a safe working environment for the RMG workers.

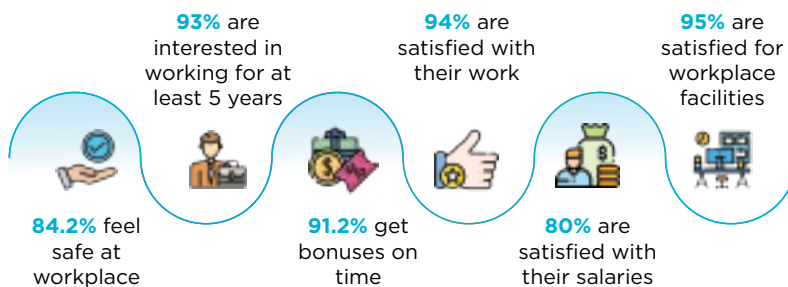


Figure 2: IBA survey on RMG worker satisfaction.

Bangladesh to import eight LNG cargoes from spot market

Umaduzzaman Uchhas

According to recent reports, Bangladesh is expected to import eight cargoes of liquefied natural gas (LNG) from the spot market in the second half of 2023, in addition to the scheduled imports from long-term suppliers.

The number of imports from the spot market during July-December is expected to be one-third less than the first half of the year.

The Bangladeshi government began importing LNG from the spot market in February of this year,

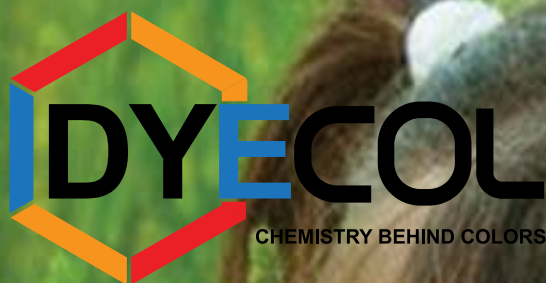
following an increase in natural gas prices of approximately 178.88% for power plants, commercial entities, and industries.

The country recently tendered and awarded contracts to purchase more than two LNG cargoes from the spot market at once, marking the first time it has done so.

Petrobangla Chairman Zanendra Nath Sarker confirmed that the state-owned entity plans to import eight LNG cargoes from the spot market in the second half of the year.



Figure: The number of imports from the spot market during July-December is expected to be one-third less than the first half of the year.



Reactive Dyes and Dye Intermediates

Chemistry *Behind Colors*

DYECOL SS series:

- » Selected Bi functional and polyfunctional dyes for medium to heavy dark shades.
- » High Fixation and excellent build up properties.
- » Good penetration and levelling properties.
- » Practically salt free and high tinctorial value dyes
- » Sustainable solution for Exhaust Dyeing process.



08 — 14
JUNE 2023

FIERA MILANO RHC
MILAN . ITALY
www.itma.com

Booth

C-307

Hall

05



ZDHC
GATEWAY / REGISTERED



**ZERO WASTE
MANUFACTURING**



SHREE PUSHKAR CHEMICALS & FERTILISERS LTD

301-302, 3rd Floor, Atlanta Centre near Udyog Bhawan
Sonawala Road, Goregaon (E), Mumbai - 400 063, India
MOB: +91 8657 4091 50, PHONE: +91 22 4270 2525
E-MAIL: nnm@shreepushkar.com
WEBSITE: www.shreepushkar.com

Govt. honors 44 business leaders as commercially important persons

Textile Today Report

The government has honored a total of 44 business leaders – a big bunch is from textile and garment sector -- as commercially important persons (CIP) in different categories for their contributions to the country's overall economy through setting up industries, creating employments and increasing national income in 2021, reports news agency BSS.

Agriculture Minister Abdur Razzaque on 22 May formally handed over the honor awards as the chief guest at Hotel Intercontinental in the capital while Industries Minister Nurul Majid Mahmud Humayun, State Minister for Industries Kamal Ahmed Majumder, Cabinet Secretary Md Mahbub Hossain and FBCCI President Md Jashim Uddin attended as special guests.



Figure: The government has honored a total of 44 business leaders – a big bunch is from textile and garment sector -- as commercially important persons (CIP) in different categories for their contributions to the country's overall economy.

Industries Secretary Zakia Sultana presided over the function.

Abdur Razzaque said under the visionary leadership of Prime Minister Sheikh Hasina, the present government has been able to create an industry and business-friendly environment in the country.

“A silent industrial revolution has already taken place in Bangladesh under the right direction and policies of the present government,” he added.

Nurul Majid Mahmud Humayun said as a result of various initiatives, taken by the Ministry of Industries in the last decade, the performance of state-owned industries has increased compared to any time in the past.

“The contribution of industry to GDP has already crossed 37 per cent,” he mentioned.

Recently, he said, the wave of the fourth industrial revolution (4IR) has arrived in Bangladesh.

“As a result, a new trend of knowledge-based and

environment-friendly green industrialization has started in the country. The Ministry of Industries is providing all possible policy support to the private sector to speed up this trend. By continuing this trend, Bangladesh will become a developed and prosperous country long before 2041,” he added.

Kamal Ahmed Majumder said through honoring the eminent persons as ‘CIP (Industry) 2021’, private sector entrepreneurs will be motivated to use their creativity and innovative abilities in the industrial sector.

Among the 44 businessmen, six have been selected under the ex-officio category, 25 under large industries, 10 under medium industries, two under small industries and one under micro industries category.

Every CIP received a CIP card and will enjoy a number of facilities, including priority in seat reservation at government transports in air, road, rail and waterways, getting invitation at national events, could get special facilities in the government hospitals for ensuring treatment of their spouse and children.

The CIPs will be able to use the cards as passes to use the VIP lounge-2 at the airports.

The CIPs as ex-officio are Sheikh Fazle Fahim, former President of Federation of Bangladesh Chambers of Commerce and Industry (FBCCI), Kamran Tanvirur Rahman, former president of Bangladesh Employers Federation, Mohammad Ali Khokon, president of Bangladesh Textile Mills Association, Rupali Haque Chowdhury, president of Foreign Investors Chambers of Commerce and Industry, AKM Salim Osman, president of Bangladesh Knitwear Manufacturers and Exporters Association (BKMEA) and Anwar-ul-Alam Chowdhury, president of Bangladesh Chambers of Industries.

CIPs from the large-scale industries (manufacturing) are Managing Partner of Square Pharmaceuticals’ Eric S Chowdhury, Chairman of BSRM Steels Ali Hossain Akbar Ali, Pran Dairy Ltd. Chairman Md Eleash Mridha, Managing Director (MD) of Olympic Industries Ltd. Mubarak Ali, Deputy Managing Director (DMD) Zaber and Zubair Fabrics Ltd. Mohammad Abdullah Zaber, MD of ACI Ltd. Arif Doula, MD of Popular Pharmaceuticals Ltd. Mustafizur Rahman, DMD of Abdul Monem Group ASM Mainuddin Monem, Chairman of Fariha Knit Tex Mohammad Mamun Bhuiyan, MD of Square Food and Beverage Anjan Chowdhury, MD of Hams Garments Ltd. Md Shafiqur Rahman, Badsha Textile Mills Sponsor Director Kamal Uddin Ahmad, Mir Ceramic Limited Director Mahreen Nasir, Durable Plastic Ltd. Director Uzma Chowdhury, Runner Automobiles Ltd.

SUPERCAST

THE POWERFUL LOOK
RECOVERY AGENT

“EVEN HEROES NEED A HELP”



ITMA 2023

08 — 14
JUNE 2023

FIERA MILANO RHC
MILAN . ITALY

www.itma.com

Booth C-203

Hall 14

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

Chairman Hafizur Rahman Khan, Winner Stainless Steel Mills Ltd. Chairman Sohel Rana, Tasniah Fabrics Ltd. Sponsor Director Ahmed Arif Billah, Shohagpur Textiles Mills Ltd. Chairman Abdul Hai Sarker, Envoy Textiles Chairman Kutubuddin Ahmed and Confidence Power Holdings Limited Vice-Chairman Imran Karim.

CIPs from the large-scale industries (service) are STS Holdings Managing Director (MD) Khondoker Monir Uddin, SB Tel Enterprises Ltd. MD Zakaria Shahid, The Civil Engineers Limited MD Eng Md Atiqur Rahman, Concord Real Estate and Development Chairman SM Kamal Uddin and Eastern Housing Ltd. Chairman Manzurul Islam.

CIPs from the medium-scale industries are Biswas Poultry and Fish Feed Ltd. Chairman Md Mahubur Rahman, Incepta Vaccine Limited Vice-Chairman

Akter Jahan Hasmeen Muktadir, MD of Auko-tex Ltd. Abdus Sobhan, MD of Jinnat Knitwear Ltd. Md Abdul Jabbar, MD of Romania Food & Beverage Ltd. Humayun Kabir Bablu, MD of Prome Agro Foods Ltd. Md Enamul Hasan Khan, Masco Picasso Limited Director Fahima Akter, MD of Torque Fashions Ltd. Mohammed Kamal Uddin, Jinnat Apparels Ltd. Chairman Abdul Wahed and MD of M/S Citadel Apparels Ltd. Md Mahidul Islam.

CIPs from small-scale industry category are Rangpur Foundry Limited Director Chowdhury Kamruzzaman and MD of Erfan Agro Food Ltd. Md Mahub Alam.

The government honored owner of Masco Dairy Enterprise MA Sabur as CIP under the micro industry category.

Dongyi Sourcing Ltd. hosts day long medical camp

Saiful Saad

Dongyi Sourcing Limited (DSL) always care of their family members, and taking care and understanding everyone's personal difficulties.

As a part of this, DSL hosted an incredibly successful day-long medical camp and eye care services event at their office. It was a remarkable initiative that garnered immense appreciation.

All DSL members and their families were given the opportunity to consult with doctors and receive exceptional medical care.

According to them, "We take great pride in being able to offer

such valuable services to our community."

This ensures that more individuals can avail themselves of these vital healthcare provisions.

DSL is a prominent readymade garment (RMG) buying agent and exporter with a vision to deliver world-class service, quality solutions and value-added services to end products for the textile industries on a global level, beginning from fabrics to fashion through the market knowledge, experienced sourcing professionals.



Figure: DSL hosted an incredibly successful day-long medical camp and eye care services event at their office.

Mofazzal Hosen Pavel started DSL's journey amid the pandemic and drove the business forward in such a troubled time.

Grameen UNIQLO to close its all stores in Bangladesh

Desk Report

First Retailing CO., Ltd., the Japan-based company behind the social business initiative Grameen UNIQLO, has announced the closure of all 10 stores in Bangladesh by June 18th.

In a press release, the company stated that due to Bangladesh's significant economic growth and changes in the business environment, Grameen UNIQLO has successfully achieved its intended goals.

Grameen UNIQLO was founded in Bangladesh in 2010 through

a partnership with the Grameen Bank Group. Its mission was to address social issues such as healthcare, education, and poverty in the country.

Since 2013, Grameen UNIQLO has provided employment opportunities and met the clothing needs of the people in Dhaka, the capital city.

Fast Retailing, the parent company, established a production office in Bangladesh in 2008, emphasizing its commitment to the country, which has become one of its crucial manufacturing hubs.



Figure: Grameen UNIQLO has announced the closure of all 10 stores in Bangladesh by June 18th.

Bangladesh's apparel manufacturers are in safe position, according to industry leaders. Having said that, they will get some benefits as Vietnam's apparel and footwear manufacturers are under pressure due to the US not clearing some of the Southeast Asian country's consignments, citing Xinjiang cotton-made products.



Figure: Bangladesh's apparel manufacturers are in safe position, according to industry leaders.

Bangladesh likely to get advantage from Vietnam garments block

Desk Report

The US government passed the Uyghur Forced Labor Prevention Act (UFLPA), which came into force on June 21, 2022. It allows US border authorities to practice greater powers to block or seize goods any product partly or wholly made in Xinjiang, an autonomous territory in northwest China, linked to forced labor in China.

Bangladesh's apparel manufacturers are in safe position, according to industry leaders. Having said that, they will get some benefits as Vietnam's apparel and footwear manufacturers are under pressure due to the US not clearing some of the Southeast Asian country's consignments, citing Xinjiang cotton-made products.

Since 2017, the Chinese authorities have detained as many as one million Uyghurs and subjected them to forced labor.

According to media report, some Vietnamese enterprises have helped Chinese businessmen avoid US taxation or sanctions by using the cotton and exporting to the North American country. Finally, \$15 million worth of apparel and footwear shipments held up for UFLPA checks, more than 80 per cent were from Vietnam, and only 13 per cent of its cargoes were cleared for entry, US customs data up to April 3 showed.

Many US importers are still sanguine, but their supply chains could still be disrupted as Vietnam's apparel makers depend on China for about half of their input materials, media reports said.

Amid the situation, tension rose among the Vietnam apparel exporters and the US brands. Bangladesh's readymade garment exporters are also worried as nearly hundred per cent cotton and a big portion of fabrics and yarn demand is met through imports, and

a large volume came from China.

However, Bangladesh Garment Manufacturers and Exporters Association (BGMEA) President Faruque Hassan told that they are in safe zone because all apparel manufacturers are aware of the US sanctions against Xinjiang cotton.

When the UFLPA law was passed, BGMEA sent a letter to all members to clarify the origin of cotton before import of raw materials from any country. Due to the US seizure of Vietnam's clothes, Bangladesh will get advantage as the US buyers' confidence will decline for importing goods from Vietnam.

"I am, however, asking all the apparel exporters to be more aware of importing raw materials, even if they import from other countries," he added.

According to the United States Department of Agriculture (USDA), Bangladesh met its above 99 per cent of cotton demands through imports, and China may have a little share. However, China holds the country's 59 per cent of fabrics imports share.

Bangladesh also meets its 12 per cent of annual yarn imports demand from China.

Industry insiders said that they met nearly 85 per cent of cotton-yarn demand through local sources and the rest of them have come from India, Turkey, Pakistan and other countries. China's share is below one per cent of the items.

Although the country holds a big share of Bangladesh's yarn and fabrics import, this is mainly non-cotton. Bangladesh also imports some cotton-yarn from Indonesia and Vietnam, but they always checked the origin of the cotton, they said.

Digital printing market is expected to reach \$39.7bn by 2028

The digital printing market in Bangladesh is expected to grow at a CAGR of 11.5% during the period 2021-2026

Saiful Saad

Digital printing is a method of printing from a digital-based image directly to a variety of media. As compared to traditional analog printing processes, digital printing does not require printing plates and offers enhanced accuracy, flexibility, durability, and cost-effectiveness, while requiring minimal operational space.



Figure 1: The digital printing market in Bangladesh is expected to grow at a CAGR of 11.5% during the period 2021-2026.

The global digital printing market size reached US\$ 27.1 billion in 2022. Looking forward, the market to reach US\$ 39.7 billion by 2028, exhibiting a CAGR of 6.57% during 2022-2028. The widespread adoption of digital printing solutions across the textile and packaging sectors is attributed due to the increasing requirement for ultraviolet (UV) radiations cured ink, high-quality graphics, detail, and clarity printing machines with reduced operational costs.

The digital printing market has been expanding rapidly in recent years, driven by advances in technology and changing consumer preferences. While the market has traditionally been concentrated in developed regions such as North America, Europe, and Asia-Pacific, there has been a growing interest in digital printing in other regions as well.

The digital printing industry is expanding throughout the Middle East and Africa, with nations such as Saudi Arabia, the United Arab Emirates, and South Africa investing in digital printing technology. This expansion might be linked to rising demand for customized products as well as the expansion of the

packaging sector in these countries.

According to a report by Research and Markets, the digital printing market in Bangladesh is expected to grow at a CAGR of 11.5% during the period 2021-2026. The growth of the market is attributed to the increasing demand for digital printing in various industries such as textiles, packaging, and advertising.

Furthermore, the widespread use of digital printing in apparel, autos, e-commerce, soft-signage, media, and advertising applications for manufacturing promotional garments, banners, flags, labels, and visually appealing product packaging is driving expansion. The shifting inclination of manufacturers toward digital printing over conventional printing methods for excluding various pre-press stages between files and final goods and inhibiting wastage is contributing to the market growth.

Digital printing service companies are currently investing consistently in cutting-edge technology to increase print quality and efficiency. The most recent breakthroughs in digital printing technology, such as UV printing, 3D printing, and variable data printing, may assist service providers in offering new goods and services, expanding their client base, and distinguishing themselves from rivals.

These companies are trying their services to different areas or nations by exploring new markets. They may use technology to interact and cooperate with consumers remotely while also providing services abroad.

There are many ways in which digital printing technology can become more sustainable. By adopting eco-friendly inks, implementing recycling and waste reduction programs, using energy-efficient equipment, and printing on sustainable materials.

Global Digital Printing Market Size (In \$bn)

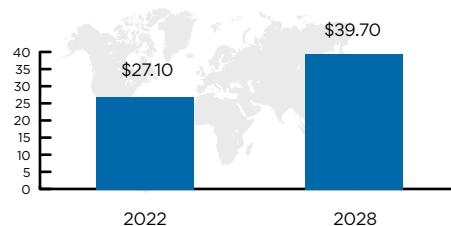


Figure 2: Global digital market is expected to reach significant amount in value over the years. The graph shows the impact and analysis on this market.



Dovosil H 15

A hydrophilic silicone emulsion which provide multiple performance benefits on virtually all types of fabrics.

- | **Non yellowing** | **Highly robust for exhaust and padding**
- | **Shear stable** | **Ease off stripping and correction**
- | **Excellent slippery and smoothness feel**



Scan the QR code

Follow Us



Visit Us - www.dovoyinc.com

Singapore Office

Dovoy INC. Singapore
The Signature, Level 4
51 Changi Business Park
Central 2
486066, Singapore

India Office

Dovoy Chemicals India Pvt. Ltd.
B-908/911, Business Zone
Nirvana Country, South
City-2 Sector 50,
Gurgaon 122018

Contact us

singapore@dovoyinc.com
india@dovoyinc.com
bangladesh@dovoyinc.com
T: +91 124 4240100
www.dovoyinc.com

DOVOY INDUSTRIAL SOLUTIONS™



Huawei Empowers Bangladesh's Renewable Energy Sector with 'Huawei Installer Workshop 2023'

Md Sakhawat Sony

Leading global ICT solution and equipment provider, Huawei, has recently organized a workshop for local PV solution Installers in Bangladesh to increase their understanding and efficiency to support the end user's need for solar power solutions. The workshop was organized by the 'South Asia Digital Power Business Department, Huawei Technologies (Bangladesh) Co., Ltd.

For the past 24 years, Huawei Technologies (Bangladesh) Co., Ltd. has been active in Bangladesh, making significant contributions to the country's energy sector by promoting the use of clean energy and driving digitalization. Huawei is leading revolution towards a greener future in Bangladesh.



Liang Weixing (Jack)

Managing Director
Huawei South Asia Digital Power
Business Department

We at Huawei South Asia are committed to promoting green energy and helping Bangladesh achieve its renewable generation targets. Through initiatives like the 'Huawei Installer Workshop 2023', we aim to increase the efficiency of local PV solution installers and support the country's transition to a more efficient and sustainable power source."

As the world is facing the challenges of climate change, renewable energy has become a critical component in the global energy transition. In this regard, Huawei South Asia Digital Power Department has taken a significant initiative to support Bangladesh's renewable energy sector by organizing a workshop for more than one hundred Bangladeshi PV (photovoltaic) Solution Installers.

With the motto 'Let the Sun Pay Your Bills', Huawei has recently organized 'Huawei Installer Workshop 2023', which focused on the benefits of digital power



and workshop aimed to increase local PV solution Installers understanding and efficiency to support the end user's need for solar power solutions.

The workshop commenced with a keynote speech by Liang Weixing (Jack), Managing Director of Digital Power, Huawei South Asia. He highlighted Huawei's commitment to promoting green energy to help Bangladesh achieve 40% power generation from renewable energy sources. The participants attended various training and experienced the latest power solutions of Huawei, including the specifications of Huawei inverters, the application case of residential on-grid Energy Storage System (ESS) solutions, iSitePower-M, and inverter installation, Installation program & fusion solar application.

Liang Weixing reiterated Huawei's commitment to green energy and said, "Huawei South Asia has been taking impactful initiatives in the digital power sector to help the country move towards a more efficient and greener source of energy."

Apart from the workshop, a certificate of authorization was issued to Genetic Power and Engineering Ltd. This authorization will allow Genetic Power and Engineering Ltd. to keep a local stock of Huawei Inverters for Residential and Commercial Projects. Engr. Md. Lutfor Rahman, Chairman, and Managing Director of Genetic Power and Engineering Ltd., expressed his enthusiasm and said, "This authorization of keeping local stock of Huawei inverters for residential & commercial projects will help us to serve the renewable energy sector of Bangladesh in a better way."

The 'Huawei Installer Workshop 2023' is a step forward in empowering the renewable energy sector of Bangladesh.

BIOTEX NAHY

STRONG REDUCING POWDER,
GOOD SUBSTITUTE TO
SODIUM HYDROSULFITE

BIOTEX NAHY is an environment-friendly reducing agent widely used in textile dyeing and printing in replacement of sodium hydrosulphite



GENERAL PROPERTIES

- » Strong reducing powder, good substitute to sodium hydrosulfite
- » Friendly to environment
- » Best results in alkaline medium at temperatures of 70 - 85 °C
- » Non-foaming and can therefore be applied on fast running machines
- » At room temperature product solutions remain stable for up to 6 hours
- » Without any considerable loss in the reducing effect



UNITED TEXTILE SERVICES

is the sole distributor of



Address: 84/2 (8th floor) Stella Moon,
Hazi Arob Ali member Road, Diabari,
Turag Uttara, Dhaka-1230, Bangladesh.

Warehouse Address:
Sukrovangga, Nishatnagar
Turag, Dhaka-1230, Bangladesh.

Mobile: +8801714-101042 / +8801614-101042
Phone: +88-02-8982081
Fax: +88-02-8982081

Email: ceo@unitedtextileservices.com; uts_textile@yahoo.com

Website: www.unitedtextileservices.com

XdotO concepts takes cutting-edge industry 4.0 solutions to global market at ITMA 2023 in Italy

Xdoto story

XdotO Concepts, a Singapore-based Industry 4.0 solutions provider that operates in Bangladesh through its partner Magnus Corporation Ltd, is pleased to announce its participation in the esteemed ITMA 2023 exhibition in Milan, Italy, this June.

This marks a significant milestone for XdotO Concepts, as it will be showcasing its innovative solutions to a global audience at the world's largest international textile and garment technology exhibition.

Furthermore, Dulantha Balasooriya - Director of Business Operations at XdotO Concepts, will be among the esteemed panel of speakers at the ITMA's 'Innovator Xchange: Automation & Digital Future' session on June 11.



Figure: Xdoto ITMA crew.

Owned by CEMATEX, ITMA is the platform where the textile and garment industry comes together every four years to showcase the latest products, technologies, and solutions, and promote international collaborations and partnerships.

XdotO Concepts will be showcasing its flagship solution, the Smart-Connected Factory, which is an innovative digital twin that enhances shop floor efficiency.

The Smart-Connected Factory is an integrated platform that monitors, analyses, automates, and optimizes the performance of textile shop floors using state-of-the-art IIoT and cloud computing technologies.

It connects machinery, shop floor sensors, employees, processes, and other software systems to a single, unified platform to improve efficiency, cost-effectiveness, sustainability, and circularity of operations. The solution offers a 360° view of the shop floor and enables data-driven decision making,

resulting in improved productivity, quality, and customer satisfaction.

XdotO Concepts' participation at ITMA 2023 is a testament to the company's unwavering commitment to driving innovation in the textile and garment industry on a global level. Its smart solution has already been deployed in numerous leading textile factories, delivering guaranteed ROI and providing customers with the flexibility to choose solutions, products, and services tailored to their unique requirements.

"Our cutting-edge solution ushers in a new era of manufacturing efficiency and sustainability. With our smartly knitted technological components, we empower shopfloors with the critical insights they need to thrive on their journey towards sustainable manufacturing. We are grateful to our customers who have placed their trust in us and joined us on this journey towards a brighter future for manufacturing," states Indika Karunaratne, Co-Founder & Chief Executive Officer of XdotO Concepts.

He further adds: "We are humbled and honoured to showcase our potential at ITMA 2023, the world's largest international textile and garment technology exhibition. This platform reinforces our commitment to delivering cutting-edge Industry 4.0 solutions that promote sustainable development and circularity. We are also deeply grateful for the opportunity and take immense pride in having one of our directors join the distinguished panel of international speakers. Our heartfelt thanks go to the organisers for making this possible."

XdotO Concepts will exhibit its innovative Smart-Connected Factory solution at Stand No: H9 B307 during ITMA 2023, which takes place from 8th to 14th June at Fiera Milano Rho in Milan, Italy.

This event provides a unique opportunity for the company to showcase its capabilities and compete with global players in the industry.

All are welcome to visit the booth and attend Dulantha Balasooriya's session on June 11th in Hall 3, where he will present groundbreaking ideas on 'Automation and Digital Future' at the 'Innovator Xchange' forum.

XdotO Concepts is committed to driving innovation and providing cutting-edge solutions that enable organizations to unlock the full potential of Industry 4.0. The company is excited to participate in ITMA 2023 and looks forward to collaborating with international partners to drive the industry forward.



ITMA 2023

Transform the world of textiles With **Smart Connected Factories**

For more details and unique
discounts visit



8-14th June 2023

Milan, Italy

Stand No. H9 B307

#ITMA2023



e-REMC, an e-learning-based blended training is benefitting more than 290 Asian factories

Kazi Farhan Hossain Purba

Recently a technical online seminar on 'e-REMC - e-learning based blended training for increased efficiency and sustainable chemical management' was organized by GIZ FABRIC, hosted manufacturers, brand representatives, and other stakeholders interested in improving environmental performance from Bangladesh, India, Pakistan, Vietnam and Germany.

In the webinar, the impact of e-REMC in terms of chemical management was discussed from GIZ, factory, brand and service provider's perspective.

GIZ (German Agency for International Cooperation) developed the e-REMC, a new e-learning-based blended training approach, to address the needs of textile and garment manufacturers to improve their chemical management and comply with international sustainability standards. The training focused on the Resource Efficient Management of Chemicals (REMC), was tested and implemented within the Programme for Improvement of Environmental Performance of Factories (PIE) by GIZ FABRIC in more than 290 factories in Bangladesh, Pakistan and Vietnam.

The panelists of the webinar were:

- Raffay Bin Rauf - Senior Manager Sustainability (Nishat Chunian Group)
- Dr Mohammad Abbas Uddin Shiyak - Assistant Professor, Department of Dyes and Chemical Engineering, Bangladesh University of Textiles (BUTEX)
- Mohammad Wasiuzzaman Shohan - Manager Environmental Sustainability, PUMA



Figure: Technical webinar on 'e-learning based blended training for increased efficiency and sustainable chemical management'.

- Gundolf Klaehn - Project Manager (GIZ SCAIP)

Rakesh Vazirani, TUV Rheinland moderated the webinar. Speakers from factories, service providers and brands shared their experience of using the e-REMC for the improvement of chemical management.

Gundolf Klaehn, the Project Manager, GIZ SCAIP, explored the background of PIE (Programme for Improvement of Environmental Performance of Factories), e-REMC, its features and the results in brief.

Raffay Bin Rauf, Senior Manager, Sustainability, Nishat Chunian Group, Pakistan, represented the factories and shared his practical experiences with PIE and e-REMC training. He mentioned that the platform enabled them to openly discuss challenges with the experts in an advisory manner. "The contents of the e-REMC were very detailed and everything was covered," he added.

Mohammad Wasiuzzaman Shohan, Manager, Environmental Sustainability, PUMA shared the motivation and benefits of participating in PIE where he mentioned that the program's properly addressed the needs of the stakeholders, alignment with

the international sustainability standards and the tutor-guided blended training attracted them to the most.

Finally, Dr Mohammad Abbas Uddin Shiyak, Assistant Professor, Department of Dyes and Chemical Engineering, Bangladesh University of Textiles (BUTEX) shared his experiences from service providers' perspective and discussed his experience as the Lead Trainer and the strengths and challenges of Blended Learning methodology.

The modules of the e-REMC are in line with international standards and can be accessed through GIZ's e-learning platform atingi in seven languages. The free self-paced training modules allow factories to learn at their own pace and availability. In addition, qualified master trainers may support participants in paid online tutored group courses upon request. These synchronous group courses enable peer-to-peer learning and networking between participants besides coaching and advisory services from the trainers.

The webinar ended with an aspiration to roll out the e-REMC training to more factories with an objective to make them more resource efficient and ensure sustainable chemical management.

BGMEA urges to strengthen regional value chain

Staff Correspondent

BGMEA President Faruque Hassan has underscored the importance of building a collaborative supply chain among the countries surrounding the Indian Ocean as strengthened regional value chain would help to derive mutual benefits.

“It would allow us to complement our capabilities and strengths and grow together,” he said.

“In this era of globalization, strengthened regional value chain couldn’t be more important. In the West, the developed countries are forming allies and getting mutually benefited from each other. Time has come for us to share our strength as well,” he further said.

Faruque Hassan came up with the observations while addressing a session organized on the occasion of the 6th Indian Ocean Conference in Dhaka on May 12.

The session titled “Roadmap for an economically sustainable future in the Indo-Pacific” was also attended by Aly Houssam El-Din El-Hefny, Secretary General, Egyptian Council for Foreign Affairs; Lujaina Mohsin Haider, Chairperson for Infrastructure, Technology, Industrial and Consumer Solutions (ITICS), Oman and Prasad Kariyawasam, Former Foreign Secretary, Sri Lanka as speakers. Doval, Member, Governing Council, India Foundation, chaired the discussion.

In his speech Faruque Hassan laid emphasis on knowledge and technology transfer to build up capability, saying it would eventually help each others to enhance competitiveness in the respective sectors.

“The exchange of knowledge, expertise and technologies



Figure: The 6th Indian Ocean Conference, jointly organized by the Bangladeshi foreign ministry and the India Foundation.

within the region is inevitable for sustainable and inclusive growth and development,” he said.

The 6th Indian Ocean Conference, jointly organized by the Bangladesh foreign ministry and the India Foundation, held in Dhaka on 12-13 May to discuss how the countries of the Indian Ocean region can promote economic development.

OUR PRODUCTS

RECIPE SHOULD HAVE TO BE FOLLOWED PROPERLY TO ACHIEVE THE DESIRED PRINT EFFECT.



All Chemicals are imported from China, Taiwan & Korea

Different International Brands & renowned factories are using the printing solutions

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100



Ø ZDHC
Zero Discharge of
Hazardous Chemicals



SOTA GHAR COLOR HOUSE

Suppliers of all kinds of Screen Printing Inks & Chemicals

Rajuk Commercial Complex, Shop No # 42, 43 (Ground Floor). Plot # 69, Sector # 07, Azampur, Near Bus Stand, Uttara, Dhaka 1230, Bangladesh.

Mobile: +8801712108532/ 01742371317

E-Mail: sota_ghar4243@yahoo.com

Web: www.sotaghar.com



Scan For Our Company Profile



COLOUR CHEMISTRY

PIGMENTS & FLUORESCENT PIGMENT DYES

**Full Series Available

Contact

- +880 1716 585 700, +880 1913 171 959
- salahuddin@colourchemistrybd.com
info@colourchemistrybd.com
- www.colourchemistrybd.com



Apparel Today

Unveiling industry best practices

Apparel accessories & fashion

May 2023

A Textile Today Initiative | Published with Volume 16, Issue 05 | Pages 69 to 94



Ensuring circularity is the ultimate way to reduce emissions

- Kazy Iqbal Hossain
Climate Action Lead-Global Supply Chain, Linde

Recently developed shellfish-inspired solution can clean textile wastewater

Is Bangladesh RMG a hostage to unethical buying behavior of int'l brands & retailers

Shaping the future of denim, insights from the Bangladesh Denim Expo 2023

TextIME

Textile Today Innovation Meets



TextIME
Textile Today Innovation Meets

Textile Today Innovation Meets is a 'talk show programme' which takes place physically and virtually. The programme would get shared and circulated on all the TT avenues continuously like TT FB page, LinkedIn page and TT Youtube Channel. On top of that, TT magazine would make a news coverage and subsequently generate and publish articles on each **TextIME** episode. It would make a series of interviews with people of T&A industry; predominantly with industry insiders in leadership or strategic roles.

TextIME would produce in-depth interviews with hard-hitting questions and topics relevant to the time and issue of the industry. Noteworthy personalities from textile & apparel industry talk about the affairs of their business. It presumably would generate an effective exchange of leadership ideas and opinions to tackle the present and future challenges of business and its operations.

Organized by
TextileToday
An Innovation Hub

© Textile Today reserves all rights for any changes



Scan for
Previous
Episode **TextIME**

Sponsorship Available

017 7599 9748, 01734 211085

Is Bangladesh RMG a hostage to unethical buying behavior of int'l brands & retailers

Arif-uz-Zaman

After the Rana Plaza collapse, the safety standards of export-oriented garment factories have improved a lot in the last 10 years. This progress has been recognized in the speech of the International Labor Organization (ILO). In a live event of the organization called 'World of the Work Show' recently, the country director in Bangladesh Tuomo Poutiainen said, "The good governance of this industry has improved greatly in the last 10 years."



Figure: After the Rana Plaza collapse, the safety standards of export-oriented garment factories have improved a lot in the last 10 years.

However, the purchasing practices of global brand buyers remain as unfair as ever when it comes to the fair pricing of apparel. In the past decade, global and national initiatives, particularly the Accord on Fire and Building Safety in Bangladesh and the Alliance for Bangladesh Workers' Safety, have improved the working environment in the garment sector, but the buying habits of buyers and brands have deteriorated.

Recently, a report by the New York University (NYUR) Stern Center for Business and Human Rights in the United States on Bangladesh's garment sector highlighted such observations. The report mentioned unfair practices by buyers such as pressuring suppliers for unreasonable price reductions, late payment of prices, cancellation of export orders even after the export orders have been signed, etc. As a result, many workers have been forced to cut wages and other benefits.

The report also said that buyers have misused the 'open costing' method in negotiating export

orders. In this method, the factory authorities have to present the details of the production cost to the brand buyers. As a result, factories started a fierce competition among themselves to get work. In many cases, the factory authorities are forced to take export orders at prices lower than the cost of production.

Such information has emerged from a survey jointly conducted by the University of Aberdeen in Scotland and the UK-based trade justice charity Transform Trade. According to the survey report, most of the garment factories in Bangladesh sell their products to 24 major retailers in the world. These brands are paying the same prices as they were at the beginning of the Corona pandemic. However, due to global inflation, the price of raw materials has increased a lot.

Over 50 percent of the 1,000 apparel suppliers that participated in the report complained of unfair procurement. These also include order cancellation, failure to pay, late payment and discount claims, the survey report read.

Bangladesh Garment Manufacturers and Exporters Association (BGMEA) President Faruque Hassan said that buyers' buying habits do not have ethical issues. They cancelled purchase orders during COVID. They hold, asking for a discount, reducing the price even after giving the purchase order due to the Russia-Ukraine war. Exporting countries are putting pressure on reduced sales on us due to inflation. We are being also forced to discount the price for low orders.

International apparel retailers and brands have always put downward price pressure on local suppliers and this time they are demanding a 5 percent discount despite the ongoing volatile economic situation, said Mohammad Hatem, executive president of Bangladesh Knitwear Manufacturers and Exporters Association (BKMEA) recently.

He also added that suppliers are even accepting prices below the cost of production, otherwise, they fear retailers may stop doing business with manufacturers.

Recently there has been a noticeable change in the export order strategy of brand buyers. Buyers are placing export orders in smaller slots or smaller

The Team

Tareq Amin

Founder & CEO

.....

Amzad Hossain Monir

Head of Business Development

.....

Rahbar Hossain

Business Development

.....

SN Abdullah Nur Nahar Tania

Arif-Uz -Zaman

Research & Development

.....

Sanjoy Kumar Saha

Engagement & Communication

.....

Yeasin Mia

Graphic Design

.....

Zakir Hossain

Jr. Executive, Web & IT

.....

Ashraful Alam

Umeduzzaman Khan Uchhas

Cinematographer

.....

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

71-73 | AT Editorial



Is Bangladesh RMG a hostage to unethical buying behavior of int'l brands & retailers

73 | News & Analysis



BGMEA Captain stresses value addition instead of volume

74-76 | Denim Expo Review



Shaping the future of denim, insights from the Bangladesh Denim Expo 2023

78-79 | Sustainability Today



Recently developed shellfish-inspired solution can clean textile wastewater

80 | Advertorial

The bridge between invention and innovation

82 | Exclusive Interview



Ensuring circularity is the ultimate way to reduce emissions"

84 | Fashion & Retail

Apparel export increases 9.09% in the 10-month

Zara unveils first collection with recycled poly-cotton textile waste

85 | New Leadership

Nike COO Eric Sprunk joins US retailer Nordstrom's board

86-87 | Advertorial

aeoon's fantastic printing equipment ensures high quality DTG printing

88 | Advertorial

R|Elan™ Cotluk - A fabric that is smarter than cotton

90 | Kids Fashion



Global kids apparel fashion trends: style, comfort, and sustainability for the young fashionistas

quantities rather than placing export orders all at once. Because of this, the production plan at the factory level has been disrupted.

Overall, the unethical buying behavior of the buyers i.e., unreasonable price reductions, late payment of prices, cancellation of export orders, discounts, etc. is creating a crisis in the apparel sector. Issues are being raised in various international forums to establish ethics in the buying habits of foreign buyers.

The Sustainable Terms of Trade Initiative (STTI) was launched in post-Covid 2021 with the aim of ensuring that unethical purchasing practices not only in Bangladesh but globally do not take place. This initiative includes Sustainable Textiles of the Asia Region (STAR Network), the International Apparel Federation (IAF) and 13 organizations from 9 countries of the world including Bangladesh.

BGMEA Captain stresses value addition instead of volume

Hasan Mia

Bangladesh Garment Manufacturers and Exporters Association (BGMEA) President Faruque Hassan has emphasized the need for a strategic shift from volume-based production to value addition in order to foster sustainable growth of the readymade garment industry.

The BGMEA chief came up with the observations while speaking at the opening ceremony of a training session on 'creating high-end fashion heritage materials from Bangladesh' held at the BGMEA Complex in Uttara, recently.

"This transition is very much important for the long-term success of the industry," he said.

The training initiative is a part of the high-end Fashion Project (Linking Bangladesh's Heritage Material to the International Export Market) under EIF Export Diversification and Competitiveness Development Project (TIER 2).

The training, conducted by the Centre of Innovation, Efficiency and Occupational Safety and Health (CIEOSH) of BGMEA, aims to create fashion professionals and designers with the know-how for developing high-end fashionable garments using traditional fabrics and materials.

BGMEA Director Neela Hosna



Figure: came up with the observations while speaking at the opening ceremony of a training session on 'creating high-end fashion heritage materials from Bangladesh.'

Ara also spoke at the opening ceremony.

Faruque Hassan said that while Bangladesh had achieved remarkable progress in terms of garment exports, it was now imperative to move beyond volume and pay attention to value addition.

By focusing on value addition and high-value fashion items, the industry could enhance its competitiveness, explore new opportunities and thus secure sustainable growth in the context of changing global trends, Faruque Hassan added.

Stressing the importance of developing garments linking the rich culture and heritage of Bangladesh with fashion, he said it would help to boost the export earnings and enhance the image of Bangladesh as a hub of high-value

garment manufacturing.

When people in other countries will wear apparel made using our homegrown heritage materials like Muslin, Jamdani, Khadi, Silk, and Monipuri, the fashionable garments will represent Bangladesh's culture and heritage internationally. Thus it will increase the brand image of Bangladesh," Faruque Hassan said.

Renowned fashion designer and founder of Chicago-based fashion brand Neval Anadil Johnson is conducting the training sessions attended by designers, pattern makers, merchandisers, weavers of indigenous textile materials and fashion and textile students.

A total of 160 professionals will be imparted intensive training on high-end fashionable collection development, sustainability issues, etc.

Shaping the future of denim, insights from the Bangladesh Denim Expo 2023

Ahosanuzzaman Roni

The 14th Bangladesh Denim Expo was held at the International Convention City, Bashundhara (ICCB) in Dhaka from May 16-17. During the event, the country's thriving denim industry was showcased, bringing together local and international stakeholders.

Local and global fabric makers and technology providers see a bright future of the Bangladesh denim sector as it provides quality products at reasonable prices with on-time delivery. Global fashion brands are increasing their

The Bangladesh Denim Expo is a highly sought-after event that accelerates the denim industry's growth, innovation, and sustainability. It brings sustainable brands, industry leaders, and key players together to shape a sustainable future. Over 95 local and international exhibitors attended the event, showcasing a wide range of fabrics, garments, threads, machinery, finishing equipment, and accessories.

Mostafiz Uddin, Founder of Bangladesh Denim Expo said,

“global denim community.”

The Bangladesh Denim Expo has been an ever-evolving window into the world of denim, showcasing trends, culture, and fostering a vibrant community within the industry. The attendees at the expo comprise a diverse range of professionals from various fields: Manufacturing, Academia, Government & NGO, Designer, Embassy & Int. Org, Sales/Marketing, Engineering, Consulting, and others.

This varied representation reflects the expo's appeal and relevance across multiple sectors, fostering collaboration and knowledge exchange within the denim industry.

Four-panel discussions were held in this edition of the expo, reflecting its 'Innovator' theme. The panel sessions at the Bangladesh Denim Expo addressed important topics such as the future of the apparel supply chain, collaboration for sustainability, accelerating innovation, and unleashing the industry's growth potential. Industry experts emphasized the need for collaboration, sustainability, technology adoption, talent development, and consumer-centric approaches to drive innovation and ensure a prosperous and sustainable future for the apparel industry. These discussions provided valuable insights for industry stakeholders aiming to achieve sustainable growth and success.

According to Manuj Kanchan, Division Director, Central Asia,



Figure: The Bangladesh Denim Expo is a highly sought-after event that accelerates the denim industry's growth, innovation, and sustainability.

purchasing from Bangladesh and most of the denim fabric makers in the country are adopting new technologies to gain more global orders. Many innovative and sustainable denim fabrics are being produced that fostering the sector's prospect.

“The Bangladesh Denim Expo is a unique platform that drives growth, sustainability, and collaboration in the denim industry. It brings together industry leaders and showcases the limitless potential of denim, shaping a brighter future for the

PRESENTING OUR
MOST POPULAR
AND IN-DEMAND
SERIES OF
DISPERSED 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



08 — 14
JUNE 2023

FIERA MILANO RHO
MILAN . ITALY
www.itmacom

Visit us at
ITMA 2023, Milan

Hall No: | Booth No:
05 | **C-208**



Ø ZDHC
Zero Discharge of
Hazardous Chemicals



COLORBAND
DYESTUFF (P) LTD

T: 91 22 4018 6666 / 91 22 2352 2132
M. +88 01778 456731 | E: matthew@colorbandindia.com
E: info@colorbandindia.com | www.colorbandindia.com



CERTIFICATIONS

ISO 9001 : 2008 | ISO 14001 : 2004 | OHSAS 18001 : 2007



Jeanologia, sustainability and profitability go hand in hand. Working sustainably allows us to achieve greater productivity while minimizing resource usage. Although there may be initial investment costs, the focus should be on fostering extensive collaboration among brands, manufacturers, and suppliers. This collective effort is essential for creating a sustainable and profitable industry.

Alamgir Kabir, the CEO of Kaiser Bekleidungs GmbH Bangladesh said, "There are key actions we must take. Firstly, investing in infrastructure is crucial. Secondly, establishing strategic partnerships with key stakeholders and investing in innovation is essential. Additionally, diversifying suppliers is important to avoid reliance on a single source. These steps collectively contribute to a more resilient and sustainable business environment."

The Denim Expo 2023 showcased a diverse range of exhibition booths, each highlighting innovative features and advancements in denim products through various technologies. Among the highlights were 100% recyclable products, transforming trash into treasure, the introduction of biobased materials, and initiatives aimed at minimizing carbon footprints. Additionally, bio-silicone patches, sustainable accessories for the fashion industry, and the incorporation of the metozone ozone application system in machines were displayed. The event also showcased indigo reflection and many other notable features.

Muhammad Ali Salman, Senior Manager at BEXIMCO Denim said, "Our company places a strong emphasis on research, innovation, and creativity in denim production. We are committed to sustainability, offering a diverse

range of globally compliant products that align with future industry trends."

Buyer Nauman Hakeem, Chairman of VM Tex BD Ltd, expressed his satisfaction and excitement regarding the Denim Expo 2023. He envisions a robust and long-lasting partnership between VM Tex BD Ltd and Bangladeshi denim companies, solidifying their collaboration in procuring high-quality denim products.

The Bangladesh Denim Expo 2023 showcased the dynamic and evolving nature of the country's denim industry. It served as a platform for innovation, sustainability, and collaboration, enabling industry stakeholders to shape a brighter future for denim.

A total of 90 exhibitors from home and abroad showcased their latest denim products, fabrics, accessories, chemicals and technologies in the show.

Next Plc reduces 47% carbon emission in Jan'23

Desk Report

Next Plc, a prominent fashion retailer based in the UK, has successfully decreased its Scope 1 and Scope 2 carbon emissions by 47% in the fiscal year that ended on January 28, 2023.

This reduction is in line with



Figure: Next has accomplished a 29% reduction in its intensity Scope 3 carbon reduction target, which aimed for a 40% reduction by 2030. Courtesy: PA

the company's target to reduce emissions by 55% by 2030 from a baseline year of 2016-17, as approved by the Science-Based Emission Target Initiative (SBTi). These targets align with the Paris Agreement's goal of limiting global warming to 1.5 degrees Celsius.

Additionally, Next has accomplished a 29% reduction in its intensity Scope 3 carbon reduction target, which aimed for a 40% reduction by 2030.

The company has also reached its objective of diverting 95% of its waste from landfills, and also demonstrated its commitment to sustainable practices by signing the RE100 and EV100, indicating its intention to use 100%

renewable electricity and transition to electric vehicles.

Next's primary operational objectives include collaborating with suppliers to minimize the environmental impact of the products they sell, enhancing energy efficiency, expanding waste recycling, and exploring opportunities to enhance the sustainability of their packaging while decreasing its use.

The company is also striving to enhance the efficiency of its delivery fleet, including the adoption of alternative fuels, and providing services to customers that allow them to use their products in innovative ways once they no longer need them.

Sentinel Technologies gets best innovator award

Desk Report

Sentinel Technologies has been awarded as the best innovator in the 'a2i Innovation Challenge Award 2022' - Letter Building Category, organized by a2i, ICT Division.

Sentinel provides the most innovative solution in building custom letter templates to ease the communication of government offices.

The government's a2i (Aspire to Innovate) on 25 May, gave seed money to the seven best innovators selected through different innovation challenges held across Bangladesh under the program.

The innovators were selected through the Water Innovation Challenge Competition 2021, Pregnancy Monitoring Innovation Challenge 2022 and Letter Builder Innovation Challenge, conducted

by a2i across the country.

Sentinel Technologies Ltd. is currently at the forefront of building innovative and effective solutions that address the most complex digital transformation and analytical needs of businesses through technology services, data, and consulting.

Their core objective is to help businesses become more intelligent, efficient, and eventually sustainable. Their products and services are tailored for both manufacturing and service industries, positioned on a base constructed with automated and intelligent tech, business optimization, and data-driven decision-making process.

Sentinel Technologies Ltd.



Figure: Sentinel Technologies has been awarded as the best innovator in the 'a2i Innovation Challenge Award 2022' - Letter Building Category, organized by a2i, ICT Division.

extended their sincere gratitude to a2i and ICT division of the People's Republic of Bangladesh for the timely initiative and opportunity and sincerely look forward to their partnership towards a Smart Bangladesh.



Textile Printing in Perfection



Rotary Screen Printing
Photoemulsions and
Lacquers



Flat Screen Printing
Photoemulsions



Endring Adhesives and
Removers



Adhesives for
Printing-Blankets

Distributor in Bangladesh:
WELL-CHEM ENTERPRISE
Division of ZHAN-TEX PVT CO. LTD.
House-14, Road-13, Sector-4
Uttara, Dhaka, Bangladesh
Tel: +02-7912353
Cell: +01713013073
zhantex@gmail.com
www.zhantexbd.com

Please get in touch today or see us at
ITMA, Hall 5, Booth D 208



Recently developed shellfish-inspired solution can clean textile wastewater

Saiful Saad

Every year, the textile industry consumes 1.3 trillion gallons of water to dye textiles, which pollutes the environment by releasing toxic chemicals and colors into rivers and streams. The textile sector contributes to up to 20% of worldwide industrial wastewater.

Researchers at Khalifa University in Abu Dhabi, United Arab Emirates (UAE), have created a new nanomaterial – a shellfish-inspired solution – that can clean up these dyes and other pollutants from industrial wastewater.

The material consists of tiny sand-like grains, only visible to the naked eye in clusters, which collect pollutants on their surfaces and in their pores. The nanomaterial consists of a substance called a polymer that mimics the ‘glue’ that shellfish use to stick themselves to rocks, combined with a solvent.

Finding the right solvent was a

challenge. The researchers took inspiration from the protein in mussels’ ‘beards’. These strong, sticky threads help the shellfish attach to rocks and reefs.

The polymer is made up of amino acids that are arranged in a specific way to create a sticky, adhesive surface that attracts and traps contaminants in water. The material is coated onto a membrane or filter, and water is passed through the membrane. As the water passes through, the contaminants in the water are attracted to the adhesive surface of the polymer and are trapped, leaving clean water to pass through the filter.

Shellfish-inspired technology breaks down materials using natural enzymes and bacteria, giving it a more sustainable and ecologically benign option than many other approaches. This method is applicable to a wide

range of materials, from plastics to textiles, making it a handy tool for dealing with a variety of trash.

Shellfish-inspired enzymes and microbes may break down materials fast, decreasing waste management time and resources. Because this technology can be scaled up for use in large-scale waste management operations, it has the potential to be a major instrument in tackling global waste concerns.

While shellfish-inspired solutions have demonstrated promising results in tackling textile waste, this method has several drawbacks.

For starters, shellfish-inspired technologies are not capable of addressing all sorts of textile waste. For example, while they may be excellent in degrading natural fabrics such as cotton and wool, they may not be as successful at degrading synthetic fibers such as polyester or nylon.

Unintended environmental repercussions may result from the deployment of shellfish-inspired remedies. Some of these solutions include enzymes or bacteria that are hazardous to other marine species, and the manufacture and disposal of these solutions may have an environmental impact.

The impact of shellfish-inspired technology in Bangladesh, like any other country, would depend on various factors such as the availability of resources, the level of awareness and acceptance of the technology, and the existing waste management practices.



Figure: Shellfish-inspired solution is a new solution claiming to clean textile water waste.

Bangladesh is a densely populated country with limited resources and inadequate waste management infrastructure, resulting in significant environmental pollution and health hazards. According to a report by the World Bank, Bangladesh generates approximately 22.4 million tons

of waste per year, and only 38% of this waste is collected and properly disposed of.

This upcoming technology can benefit Bangladesh to be sustainable and economically viable to meet up with the environmental criteria globally.

Additionally, education and awareness-raising campaigns would be needed to increase the acceptance and adoption of the technology among stakeholders, including government agencies, waste management companies, and the general public.

BGMEA calls on US to ease cotton imports

Desk Report

Bangladesh Garment Manufacturers and Exporters Association (BGMEA) has called on the US to ease the process of cotton import. BGMEA President Faruque Hassan made this call to US Ambassador to Bangladesh Peter Haas during a courtesy meeting at BGMEA Complex in Uttara of the capital yesterday (7 May).

Faruque Hassan said that both Bangladeshi garment exporters and American cotton farmers will benefit if duty-free market facilities are provided for garments made from cotton imported from the United States.

During the meeting, various issues of mutual interest were discussed to strengthen the trade relationship between the United States and Bangladesh, especially the export of high-end garments and cotton imports to the US market. Apart from this, the potential of the garment industry in Bangladesh and preparations to continue the pace of growth were also discussed.

On this occasion, BGMEA President briefed the US Ambassador on the great progress made in Bangladesh's garment industry in terms of workplace safety, environmental sustainability and workers' rights and welfare.

Faruque Hassan said, "Due to these achievements, the confidence of global buyers has increased in the apparel made

in Bangladesh. In the meantime, Bangladesh has secured its leading position as home to the largest number of green garment factories in the world.

He said Bangladesh's apparel industry is focusing on diversification from basic items to value-added apparel, especially non-cotton and technical textile-based products, and also investing heavily in improving technical standards, efficiency and increasing productivity to sustain growth.

He urged the US government to provide duty-free market facilities for cotton garments imported from the US, saying it would benefit both Bangladeshi garment exporters and US cotton farmers, creating a win-win situation for both. Meanwhile, he sought the cooperation of the United States to ease the process of importing cotton from the United States.

BGMEA President informed the US Ambassador about organizing the Bangladesh Apparel Summit under the initiative of BGMEA in the US in October 2023 and requested the Ambassador to cooperate in organizing the event. He also apprised the Ambassador about the initiatives taken by BGMEA to raise awareness among members about Intellectual Property Rights and counterfeit products.

He sought the cooperation of the US government to develop fair industrial relations by jointly

organizing training and workshops for workers, union leaders and entrepreneurs.

US Ambassador Peter Haas lauded Bangladesh's garment industry for making huge strides in ensuring workplace safety and workers' rights and welfare, and stressed on taking the achievements further.

BGMEA First Vice President Syed Nazrul Islam, Senior Vice President SM Mannan Kochi, Vice President Shahidullah Azim, Vice President (Finance) Khandkar Rafiqul Islam, Vice President Nasir Uddin, Vice President Rakibul Alam Chowdhury, Director Abdullah Hill Rakib, Director Navidul Haque, Director Rajeev Chowdhury, Director Barrister Vidya Amrit Khan, Director Imranur Rahman, Director Mizanur Rahman, Director Neela Hosne Ara and various standing committee chairmen of BGMEA were present at the meeting.



Figure: BGMEA President Faruque Hassan called to US Ambassador to Bangladesh Peter Haas to ease the process of importing cotton.

The bridge between invention and innovation

MS Printing Solutions Story



If you look up the word “innovation” in the dictionary, you’ll find out that its meaning often overlaps the meaning of “invention”. It’s rather common to mistake them, but in truth their meanings are quite distinct.

Usually, innovation refers to a significant modification made to an existing product, service, or idea that brings a remarkable change in a certain field and positively improves it; while invention refers to something that didn’t exist before... being invented.

Being innovator or inventors is tough, and challenging. Whether it is harder to be one or another is questionable. What is not debatable, though, is the objective extreme difficulty of being both.

But there is no need to worry because that is not something impossible.

Inventors and innovators

MS Printing Solutions’ story as inventors started at the beginning of the new millennium when we decided to only design digital printing machines. At that time, it was quite a hazardous choice, since the digital market

was at the very beginning and very few companies were taking their first steps into this new adventure, but when you have a vision it’s impossible to ignore it.

So, the experiments began and after various trials and errors, in 2011, the true invention came: LaRio. The first ever single pass, a machine that revolutionized the digital printers’ market and the way everyone used to think about printing.

LaRio’s single-pass technology succeeded in combining the advantages of both traditional printing and digital printing. That has been made possible because the invention united the printing speed of traditional printing and the many benefits of digital printing, such as the decreased number of steps in the printing process, and the lowering of water, energy, and gas consumption, which in turn translates into costs saving and a lower environmental impact.

Last but not least, another huge advantage of single pass technology has been the reduction of the time to market, essential for today’s everchanging needs. Many others, inspired by this invention and tempted by the technological progress behind it, followed the path we traced. For us, this has always been a source of pride and a stimulus.

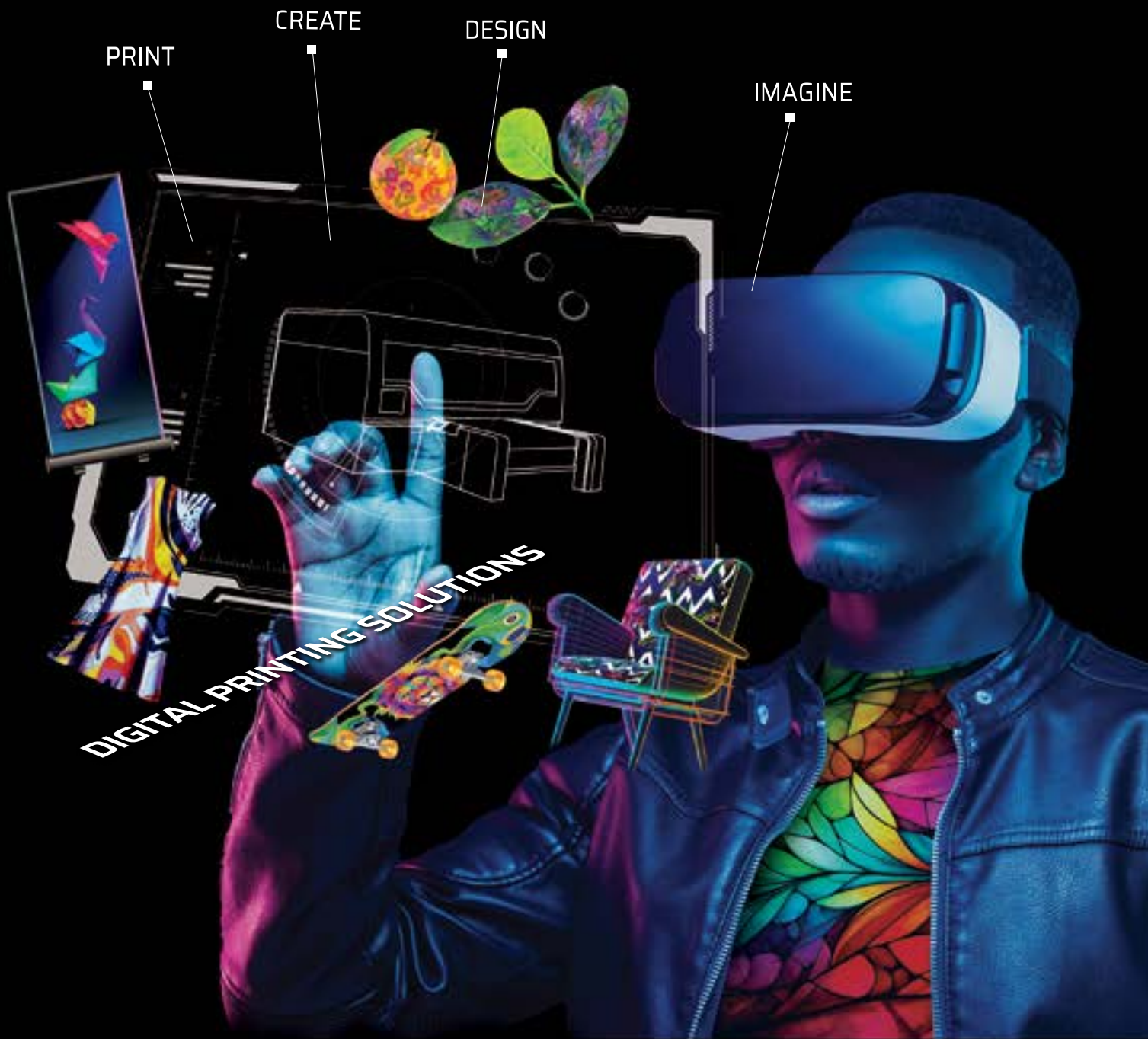
In fact, MS Printing Solutions wasn’t ready to stop there. We had ambitious plans, and who could be an innovator if not us? We had revolutionized the market once, and we are now ready to do it once again.

Since everyone in the industry always strives to bring improvements to the whole market, here comes our latest project, a machine capable of combining the best qualities of a single pass - speed productivity, and unlimited printing runs, with the best features of a scanning machine - compactness and high printing quality.

This new-generation single-pass machine, which can boast the same performances as a single pass while taking up the same space of scanning a machine up to ten times smaller.

In this way, there are the same excellent results but few resources are needed in terms of money, consumptions, stock, and people. Innovation never stops and we won’t either.

We are here, ready to disrupt the market in our style at ITMA, the greatest and most innovative stage of the industry. We bet you are not ready for what’s next.



LOOKING FORWARD TO THE FUTURE

We design digital printing machines for tomorrow. We are working for a shorter supply chain, breaking down the carbon footprint, maintaining high-level performance, increasing efficiency and production capacity reducing downtime and costs. All for the benefit of our customers.

visit us @ | ITMA 2023 | Rho Milan, Italy | 8-14 June | [Hall 7 - Booth D206](#)



MS
PRINTING SOLUTIONS
a **DOVER** company

Ensuring circularity is the ultimate way to reduce emissions

BTT Interview

Kazy Mohammad Iqbal Hossain is a sustainability leader with a wide range of technical and soft skills. Recently Kazy Iqbal Hossain has taken over the position of the Climate Action Lead-Global Supply Chain at Lindex. For the last two decades, he has been playing an instrumental role in reshaping the environment and sustainability in the fashion industry.

Kazy Iqbal Hossain discussed with Textile Today how fashion brands' environmental, sustainability and circularity goals are revamping the fashion value chain for a greener future.

Textile Today: Recently you have assumed the role of Climate Action Lead-Global Supply Chain at Lindex. Kindly share with us about that.

Kazy Iqbal Hossain: My new role is actually climate-focused. This means I

will drive climate-centric action in the global fashion supply chain – Bangladesh, India, Pakistan, China, Sri Lanka, Vietnam, Cambodia, Türkiye, etc. It is actually a multifaceted and complex role – under which circularity, water usage, chemical usage, energy usage and climate change –all fall into it.

Lindex is a Science Based Targets (SBT) initiative signatory – under which we have set a target to reduce 50% of emissions from our supply chain by 2030. And we have to set further goals to achieve net zero.

Textile Today: The fashion industry as a whole is coming up with carbon footprint reduction, sustainable targets and increasing circularity – driven by EU's 2030 Circular economy action plan – how it will holistically impact the apparel supply chain. Especially in the manufacturing end.

Kazy Iqbal Hossain: All the goals be it brands, manufacturers and EU's Circular economy action plan – are interconnected. If we want to reduce emissions from the whole supply chain – we have to reduce emissions from materials, utility

usages and garment production as well. For instance, recycled materials emission is around 50% less than that of virgin materials. Ultimately, ensuring circularity is one of the main ways of reducing emissions. At the same time, we have to follow a similar path in other areas like chemicals, using renewable energy, efficiency in manufacturing, etc. to ensure reduction.

Eventually, climate goal is linked to everything.

Textile Today: As the call for circularity grows – manufacturers are more and more obliged to use recycled materials to make newer clothes. As Bangladesh is the second biggest readymade garment (RMG) maker – the country generates a huge amount of pre-consumer textile waste. How it will impact Bangladesh's RMG industry?

Kazy Iqbal Hossain: This is a very vital issue for the country. As the country imports a huge amount of raw materials every year. In addition, global cotton prices, freight charges and other volatility are a big challenge as well. And if the industry gives focus on recycling the huge amount of pre-consumer textile waste and creates new yarn from it – it will greatly reduce the cotton import. Besides environmental benefits, the circular model has great socio-economic benefits too.

SUSTAINABLE PACKAGING SOLUTION

Green Solutions for a
Sustainable Future



MONTRIMS LTD. | **TRIMS INTERNATIONAL (BD) LTD.**

A House of Quality Accessories Solution

Apparel export increases 9.09% in the 10-month

Apparel export to UK, Canada and EU markets increased. While exports to the US market have decreased.

Textile Today Report

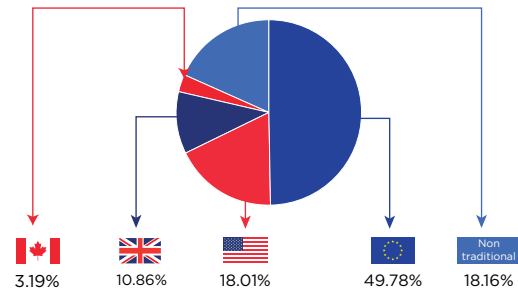
The Export Promotion Bureau (EPB) has recently released country-wise export data for July-April period of FY 2022-23. During this period, the total apparel exports grew by 9.09 percent over the same period of the previous year and the total exports reached \$38.57 billion.

According to EPB data, among these apparel exports, \$19.20 billion worth of garments went to the European Union (EU) which is 49.78 percent of the total exports. \$6.9 billion worth of apparel was exported to the US market, accounting for 18.01 percent of total exports. Canada accounted \$1.2 billion in apparel exports which is 3.19 percent and \$7 billion in exports to non-traditional markets, which is 18.16 percent of total exports.

During the period under review, exports to the EU increased by 8.58 percent compared to the same period in FY 2021-22. Among the EU region's main markets, exports to Germany fell by 7.33 percent to \$5.53 billion compared to the same period last year.

Apparel exports to France and Spain were \$2.40 billion and \$2.95 billion and the growth was 22.21 percent and 16.69 percent respectively. Italy also had a positive growth trend of 42.40 percent and reached \$1.85 billion. On the other hand, exports

Bangladesh Apparel Market Share in fy 2022-23 (July-April)



to Bulgaria and Poland showed a negative growth of 46.43 percent and 17.59 percent year-on-year respectively.

However, exports to the US registered a negative growth of 7.13 percent during July-April of FY 2022-23. Moreover, exports to both the UK and Canada markets saw a positive growth of 10.88 percent and 16.09 percent respectively.

In July-April of FY 2022-23, Bangladesh's garment exports to non-traditional markets increased by 30.80 percent and reached \$7.00 billion. Among non-traditional markets, our exports to major markets like Japan, Australia, India and South Korea were \$1.32 billion, \$961.30 million, \$889.06 million and \$477.81 million respectively.

Zara unveils first collection with recycled poly-cotton textile waste

Nurnahar Akter Tania

To tackle one of the most significant obstacles to recycling - blended textiles - Zara, a prominent fast fashion retailer, has launched its first-ever collection produced using recycled poly-cotton textile waste.

In collaboration with textile recycling firm Circ, Zara has introduced a line of women's clothing made with recycled polyester and cotton fibers.

The collection, known as Circ x Zara, showcases lyocell outfits that consist of 50% recycled

poly-cotton waste and polyester attire made with 43% recycled poly-cotton waste.

It has been said that Circ's hydrothermal process liquefies the polyester, before heat and pressure separate the liquid polymer from the solid cotton to reclaim the cellulosic and synthetic materials.

So, the recycled cotton is turned into fluffy flakes before becoming a pulp that can be subbed in for wood pulp, which makes up traditional lyocell.

Also, the polyester content can be pelletized and extruded into new fibers.

This is the first-time recycled polyester and lyocell clothing manufactured from poly-cotton textile waste is in the hands of consumers, and important steps are being taken toward making circularity the new standard.

Peter Majeranowski, CEO, Circ said about the partnership, "Signals a seismic shift in how the fashion industry and consumers view what is possible in sustainability."

Nike COO Eric Sprunk joins US retailer Nordstrom's board

Desk Report

Nordstrom, a renowned fashion retailer based in the US, has announced the immediate appointment of Eric Sprunk, the former Chief Operating Officer (COO) of Nike, to its board of directors.

Sprunk will also be standing for election at the company's upcoming 2023 Annual Meeting of Shareholders. With this addition, the Nordstrom board now comprises 11 directors, as stated in a recent press release.

Sprunk brings to the table more than 25 years of leadership experience in the consumer retail industry, where he headed teams responsible for manufacturing, sourcing, sales, procurement, and technology at Nike.

He held several executive positions of increasing responsibility during his tenure at Nike, which spanned

from 1993 to 2020.

Before joining Nike, Sprunk worked as a certified public accountant at PricewaterhouseCoopers, where he served large multinational companies and financial services organizations.

Brad Tilden, Chairman of the Nordstrom Board said, "We are pleased to welcome an industry veteran of Eric's calibre to the Nordstrom Board."

Eric's appointment demonstrates Nordstrom's commitment to ongoing refreshment and ensuring our board is composed of directors with relevant skills and expertise to oversee the execution of Nordstrom's strategy and drive shareholder value, he added.

Besides that, with Eric's decades of operational experience in



Figure: Eric Sprunk, the former Chief Operating Officer (COO), Nike. Courtesy: Collected

the consumer retail industry and track record of driving e-commerce growth and large-scale transformations within a complex global business, he will be a valuable addition to the board and look forward to benefitting from his expertise.

Textile Testing Equipment

Brand : Prowhite | Origin : Turkey



Automatic Yarn Strength Tester



Automatic Wrap Reel



Abrasion And Pilling Tester



ICI Pilling Tester



Sample Dyeing Machine



IR Sample Dyeing Machine

Exclusive Distributor: A.T.I Corporation

aeoon's fantastic printing equipment ensures high quality DTG printing

aeoon's Story

The Direct-To-Garment printing market keeps on growing in Bangladesh. In order to fulfil customers' requirements, you are going to need reliable, fast, high-quality equipment. aeoon Technologies from Austria offers exactly that. Their machines are not only made from durable metal components of the highest quality but also count among the fastest Direct-To-Garment printers currently on the market.

aeoon offers a variety of machines which can be cut to each customer's needs due to their modular build. For example, you can add features such as integrated heat presses, beamer systems and many more to your aeoon printer. Additionally, all machines are easily integrated into an automated production workflow, so you are able to produce faster and more efficient.

Let's get into some of aeoon's printing machines and explore their benefits:

KYO HYBRID



The Hybrid is an excellent machine which combines the traditional printing technique of screenprinting and the more modern technology of Direct-To-Garment printing in ONE machine. But what are the advantages of that? With aeoon's Hybrid, you are able to print a solid white underbase in screenprinting paste and add a beautiful, photorealistic Direct-To-Garment print on top. You can also print a powerful digital design and then add applications (foils, foam, devoree, glitter, etc.) with the Hybrid's screenprinting unit. aeoon's powerful KTS (Kyo-To-Screen) feature allows you to print directly on the screen - this keeps the preparation process short, clean and efficient compared to other hybrid and screenprinting solutions. Because it combines both Direct-To-Garment and screenprinting, the Kyo Hybrid is also incredibly fast and can print up to 300 pieces on dark garments per hour.

COMPACT PLUS

aeoon's Compact is their medium sized model and can print up to 150 pieces on dark garments per hour. This machine is a great option for anyone who is looking for a reliable, efficient and fast Direct-To-Garment printer. This machine allows you to add certain features – the most recently developed feature is called "PLUS". The PLUS stands for internal heat presses located inside of the printer. These presses are amazing because you no longer need an external heat press and save time because the pressing happens during the printing process. The PLUS heat presses also leave NO press marks on your garments. The Compact PLUS has two printing stations and you can use a lot of aeoon's wide variety of pallets on it. aeoon's PLUS feature is also available for their Kyo model.



MAIKURO

You have started your business with small Direct-To-Garment printers and it is going so well that you want to change into an industrial level of production? Then, aeoon's Maikuro is for you. This small powerhouse is the first industrial entry-level Direct-To-Garment printing machine in the world! It can print up to 65 pieces on dark garments an hour and is perfect for young business that want to take the leap into a higher standard of production. It produces high-quality prints and comes at a lower price rate than aeoon's other models. This printer offers you the fantastic opportunity to launch your business to new heights.



You can see all these amazing printers LIVE at FESPA in Munich (23rd-26th of May 2023/Booth B1-B30) and ITMA Milan (8th-14th of June 2023/Booth H7 E305)! The aeoon Family is looking forward to seeing you there.

If you want to know more about aeoon's fantastic printing equipment, please contact their official distribution partner for Bangladesh, Duster Limited, via info@dusterbd.com; harif@dusterbd.com or give them a call via +88 02 48812146. Join the aeoon Family and become more successful than you have ever been before!



R|Elan™ Cotluk – A fabric that is smarter than cotton

R|Elan™ Story

Need for an alternative to cotton

Cotton has been a key raw material for the textile industry. Though the textile industry faces some major challenges such as low productivity and volatile price fluctuations when they use cotton as a raw material. The impact of wide price fluctuations have its negative impact on both - the textile value chain and the end consumers.

Reliance Industries Ltd (RIL), with its extensive R&D, has developed a smarter alternative to cotton by introducing R|Elan™ Cotluk fabric.

R|Elan™ Cotluk is now available in staple fibre and filament yarn form, exhibiting cotton-like look and feel along with an ever-lasting matte appearance.

R|Elan™ Cotluk – Smarter option

Consumers today are looking for garments that offer value proposition, enabling them to achieve their style goals at an economical price. With volatility in cotton availability, it is extremely important to have a superior alternative with cotton-like attributes.

R|Elan™ Cotluk, offers cotton-like look and feel,

becomes an apt alternative as it is a perfect material for making high-quality knits and woven apparel across categories like Casual Knits, Denims, Formal wear etc. R|Elan™ Cotluk also has superior features like excellent strength, durability and easy care.

Empowering the Green Fashion revolution

Keeping in mind the ever increasing demand from consumers for sustainable products, R|Elan™ Cotluk is also made available from recycling 100% post-consumer used PET bottles as R|Elan™ GreenGold Cotluk.

Cotluk is also available for the home textile category under the brand name Recron® Cotluk that can be used across varied applications like Bedsheets, Cushion Covers, Curtains, Towels etc.

Thus, R|Elan™ keeps its promise by consistently offering smart fabric solutions using extensive technical knowhow and cutting edge technology.

Visit us at <https://www.r-elan.com/> to know more about R|Elan™ and also visit <https://relan-sourcing.virtulab.online/> to explore the world of innovative fabrics from R|Elan™

— FABRIC 2.0

SMARTER THAN COTTON

The cotton alternative with excellent strength that doesn't wrinkle or shrink.

Experience wrinkleless garments that look like cotton but feels smarter than cotton.



Cotton like
look and feel



Matte
appearance



Excellent strength
and durability



Easy care



www.r-elan.com



R|Elan™
Fabric 2.0

Cotluk

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

To associate, kindly reach out to us on
r.elan.innovations@zmail.ril.com

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

Global kids apparel fashion trends: style, comfort, and sustainability for the young fashionistas

Engr. Mezbah Uddin

Introduction

Fashion is not just limited to adults; it has taken the world of children's apparel by storm. The global kids apparel fashion industry has witnessed remarkable growth, catering to the evolving tastes and preferences of young fashionistas. In recent years, there has been a significant shift in the fashion landscape for children, with an emphasis on style, comfort, and sustainability. This article explores the top global kids apparel fashion trends, highlighting how the industry is embracing innovation and catering to the unique fashion needs of the younger generation.



Figure 1: Colorful and expressive garments allow kids to showcase their personality and creativity.

Stylish athleisure: comfort meets fashion

One of the prominent trends in kids apparel fashion is the rise of athleisure wear. Children are increasingly gravitating towards comfortable yet stylish clothing that allows them to move freely. Brands are incorporating sportswear-inspired elements into everyday wear, blending functionality with fashion-forward designs. From joggers and leggings to hoodies and sneakers, athleisure has become a go-to choice for active youngsters, ensuring they stay comfortable while still looking trendy.

Gender-neutral fashion: breaking stereotypes

The fashion industry has become more inclusive, and this shift is reflected in kids' fashion as well. Gender-neutral clothing has gained popularity, challenging traditional stereotypes. Brands are now offering a wide range of unisex clothing, including t-shirts, jeans, and outerwear, designed to be worn by both boys and girls. This trend not only promotes equality

but also allows children to express their individuality without limitations.

Sustainable and eco-friendly fabrics: fashion with a conscience

In recent years, sustainability has become a crucial aspect of the fashion industry, and kids' apparel is no exception. Parents and children alike are increasingly conscious of the environmental impact of clothing production. Consequently, sustainable and eco-friendly fabrics, such as organic cotton, bamboo, and recycled materials, are gaining popularity. Brands are adopting responsible manufacturing practices and incorporating these fabrics into their collections, ensuring that fashion can coexist with environmental preservation.

Statement prints and colors: vibrant expressions

Bold and vibrant prints have become a major trend in kids' fashion. From whimsical animal motifs to abstract patterns, these eye-catching designs add a playful element to children's clothing. Colorful and expressive garments allow kids to showcase their personality and creativity. Brands are experimenting with unique color palettes and imaginative prints, creating garments that are as lively and spirited as the children who wear them.

Miniature high fashion: inspired by adult runways

Children's fashion is increasingly drawing inspiration from the adult runway, translating high fashion into miniature versions for the little fashion enthusiasts. Luxurious fabrics, intricate details, and sophisticated silhouettes are finding their way into kids' apparel. From miniature tuxedos and ball gowns to tailored suits and designer accessories, fashion-forward parents are embracing this trend, ensuring their little ones are dressed to impress for special occasions.

Conclusion

The global kids apparel fashion industry is witnessing a remarkable transformation, focusing on style, comfort, and sustainability. Brands are reimagining children's clothing, allowing them to express their individuality and creativity while providing functional and eco-friendly options. As the fashion industry becomes more inclusive and environmentally conscious, children's apparel is at the forefront of embracing innovation and setting new standards for the young fashionistas of today and tomorrow.



FCL FINEOTEX



cordially invites you to



8 - 14 JUNE 2023

FIERA MILANO - ITALY

Hall 5 - Stand B108

COME AND SEE US IN MILAN!

ITMA 2023 at Fiera Milano Hall 5 - Stand B108.

Our experienced team will be around to provide a detailed introduction to our innovative & sustainable products that will create mutual business opportunities. It would be an honour to have your gracious presence at our stand.



Tel : +91 22-2655 9177 | info@fineotex.com | www.fineotex.com

Follow Us: [f](#) [i](#) [t](#) [y](#) [i](#)

Transforming the World of Textiles

Montrims Director Asadur Rahman receives CIP award

Nurnahar Akter

Asadur Rahman Sikder, Director, Montrims Ltd received the CIP Award for his outstanding achievements and contributions to the textile industry, positioning him as a role model for aspiring entrepreneurs and business leaders.

Asadur Rahman Sikder is a renowned business leader with a commendable track record of success. As the Director of Montrims Ltd, one of the top innovative trims and packaging companies, Sikder has played a vital role in shaping the organization's growth and reputation.



Figure: Asadur Rahman Sikder, Director, Montrims Ltd received the CIP Award.

Considering the structural and item-wise various product ranges and production capacity, Montrims Limited is one of the largest Accessories manufacturing plants in Bangladesh.

Under his guidance, Montrims Ltd has witnessed substantial expansion, both domestically and internationally, making it a key player in the textile sector.

Throughout his career, Asadur Rahman Sikder has made significant contributions to the textile industry.

According to Asadur Rahman, few things made Montrims a living embodiment of success.

Montrims is working with the world's best brands as an innovation enabler and innovating as an ornament provider of many industries through trims and packaging.

With more than BDT 15 billion investment – Montrims serves as one of the most dependable trims and packaging partners to global retailers and brands. It is equipped with the world's top machinery.

FPG's Managing Director Mijanur Rahman honored as CIP

Nurnahar Akter

Md. Mijanur Rahman, the Managing Director and CEO of Fashion Power Group, has been selected as a commercially important person (CIP) in the export sector by the government.

As the industries ministry announced the names of 44 businesses recognized for their significant contributions to the country's economy through industrial development, job creation, and increased national income in 2021.



Figure: Mijanur Rahman, Managing Director, FPG honored as CIP

The selection of CIPs was made across six categories by the industries ministry through a gazette notification. Among the 44 businesspeople, six were chosen in the ex-officio category, 25 in the large industries category, 10 in the medium industries category, two in the small industries category, and one in the micro industries category.

As per the notification, each nominated CIP will receive a CIP card and enjoy various benefits. These include priority seat reservations in government transportation by air, road, rail, and waterways, invitations to national events, and a letter of introduction from the foreign ministry to facilitate visa applications for international travel.

Additionally, CIPs will have access to the VIP lounge-2 at airports using their CIP cards.

Mijanur Rahman, the driving force behind Fashion Power Group, started his career as a Trainee Merchandiser and established the esteemed reputation and brand of "Fashion Power Group" through his unwavering commitment, hard work, and integrity, also he serves the BGMEA committee as a Director from 2021 to 2023.

US's Revolve Group achieves gross margin of 49.8% in Q1

Desk Report

Revolve Group, a US fashion retailer targeting Millennial and Gen Z consumers, reported a gross margin of 49.8% in the first quarter of 2023, which is 468 basis points lower compared to the same period last year.

This decrease primarily resulted from a lower mix of net sales at full price in Q1 2023. However, the company's active customer base grew by 84,000, reaching 2,424,000 by the end of March 2023, a year-over-year increase of 19%.



Figure: Revolve Group, a US fashion retailer targeting Millennial and Gen Z consumers, reported a gross margin of 49.8% in the first quarter of 2023.

Although net sales for Q1 2023 were \$279.6 million, representing a year-over-year decrease of 1% due to a challenging comparison with the previous year, the company has achieved a compound annual growth rate of 19% since Q1 2019.

Meanwhile, net income for Q1 2023 was \$14.2 million, a year-over-year decline of 37%, which can be attributed to the lower gross margin and higher operating expenses. However, this decline was partially offset by an increase in other income, mainly due to an insurance reimbursement, as stated by the company in a press release.

"We achieved excellent progress on rebalancing our inventory position and generated exceptional cash flow in the first quarter, despite a macroeconomic environment that became increasingly challenging as the quarter progressed, leading to deceleration in our net sales momentum," said co-founder and co-CEO Mike Karanikolas.

"Supported by our strong profitability and cash flow that truly stand out within the fashion e-commerce sector, we are continuing to innovate and leverage new technologies while executing on several important growth, brand-building and efficiency initiatives that we believe will further strengthen our foundation for profitable growth over the long term," said Michael Mente, CO-founder and CO-CEO of Revolve Group.



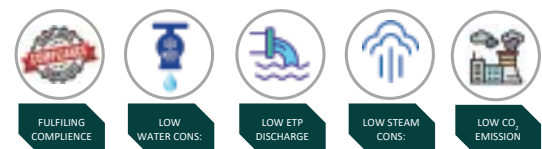
ASAHIFIX XP[®] SERIES

The art of dyeing textiles and garments with the confidence by achieving the ultimate performance.

TECHNOLOGY



ECOLOGY



Cooperate Head Office

Asahi Dyes and Chemicals Co. Ltd. 1-14-304, Koyochi-Naka, Higashinada-Ku Postal code: 658-0032, Kobe, Hyogo-JAPAN

Tel: +81-78-858-6707 Email: info@asahidyes.jp

Sole Agent



Asons Bangladesh PVT Limited

House #7, Road # 15, Sector 1, Uttara Dhaka 1230, Bangladesh

Tel: +88 02 48956778

Email: info@asonsbd.com



MURAKAMI SCREEN

"Expose the Quality"

MURAKAMI SCREEN JAPAN

MARKET LEADER IN PHOTOGRAPHIC CHEMICALS
OVER 30 YEARS IN BANGLADESH MARKET



SBQ TYPE EMULSION: PHOTOCURE TXR, AQUASOL TS, ESSECURE OP1

DIAZO TYPE EMULSION: SP-1300HV, ADVANCE-20, ADVANCE-Z

HIGH DENSITY EMULSION: AQUASOL HS-2, AQUASOL HS-3

DISCHARGE EMULSION: PHOTOCURE WSR

HARDENER: HARDENER A, HARDENER DL

DLE EMULSION: AQUASOL SHARF

LED EMULSION: AQUASOL T9-L

ROTARY EMULSION: REX-5P

CAPILLARY FILM OR FAT FILM

PLEASE BE AWARE OF FAKE PRODUCTS WITH COPY LABELS OF MURAKAMI

Murakami Screen has introduced an anti-fake holographic advanced label, which have an unique QR Code and a Number Code. Scanning the QR Code will direct to the website of Murakami Screen. Then product genuineness can be verified by the Number Code.

20mm*80mm



1. Holographic Laser label

2. Removable silver coat

3. Hidden QR design and Number Code

Represented in Bangladesh by:

 **DYSIN GROUP**

Corporate Head Office & Laboratory Services

Skylark Point (3rd Floor), 24/A Bjoy 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

Web: www.dysin.com



U.S. COTTON
TRUST PROTOCOL®
Trust in a smarter cotton future

Presents

Spinning Today

Unveiling industry best practices

Fiber to Yarn

May 2023

A Textile Today Initiative | Published with Volume 16, Issue 05 | Pages 95 to 112



“Need to expand ICA members from Bangladesh to influence and shape cotton trade regulations”

- Azhar Ali
COO (Spinning), SALMA Group

Cotton spinning mills struggling to avoid losses

Discourse of BT cotton in Southeast Asia (Part-II)

BUILDTECH Textile has huge potential market to grab by Bangladeshi manufacturers



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



Cotton spinning mills struggling to avoid losses

Sanjoy Kumar Saha

After long four decades of business experience, now Bangladesh is the 2nd largest garment exporter in the world and this was possible due to efficient backward linkage support, especially from yarn manufacturing or the spinning industry. As the export-oriented garments industry is built mainly based on cotton-based products, the spinning mills have also expanded their capacity mainly focusing on cotton. At this moment more than 16 million spindles are running in Bangladesh. To run smoothly and efficiently spinning mills have to maintain a stock or inventory of raw materials i.e. cotton, machinery, spare parts, oil/lubricant for at least 6 months.

The spinning industries of Bangladesh were grown not judging the feasibility of the business but rather to meet the demand of the export-oriented garments industry. On the other hand, buyers/brands also encouraged garment exporters to go for the composite concept. As a result, a number of cotton-based spinning mills have been set up here though Bangladesh does not produce cotton on its own.

When we look at the spinning industry of our neighboring countries like India, China, and Pakistan we see that they are using their locally cultivated cotton. They need to buy the cotton in local currency without any transportation hustle. On the other hand, they are also saving time and don't need to maintain inventory for 6 months as we do in Bangladesh.

However, in Bangladesh, mills have to purchase the cotton in foreign currency i.e. dollars. Transportation cost also plays a significant role in the selling price. Inventory cost for the BD spinning industry is also high. Bank interest rate is also creating an impact on the selling price of yarn. Furthermore, gas prices have doubled in recent times. For this reason, the unit production cost of cotton yarn has increased by around 8%. The world's fashion industry has

Bangladeshi mills have to purchase the cotton in foreign currency i.e. dollars. Transportation cost also plays a significant role in the selling price. Inventory cost for the BD spinning industry is also high. Bank interest rate is also creating an impact on the selling price of yarn.

been badly impacted by the Ukraine-Russia war. Due to the piling up of old stock at buyers' end and high inflation in the western economy buyers are asking for discounted prices. Worker wages are also going to be increased within a very short time.

As a result, in recent times, the cotton spinning

industry is facing loss at the rate of 40 to 50 cents per unit. But how long they can continue in this way is a matter of great concern at this moment. The cotton spinning industry is facing great challenges to sustain its business. On the other hand, cotton-based garments export will be greatly hampered if the backward linkage cotton spinning industry can't provide the support. Garments exporters will also have to maintain an inventory of at least 3 or 4 months if they import yarn from abroad which is not a good or sustainable idea for them.

What can be the ways for the cotton spinning industry to stay alive and profitable in the long run, we need to think.

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 Tania
Arif-uz-Zaman**
Research & Development

Sanjoy Kumar Saha
Engagement & Communication

Yeasin Mia
Graphic Design

Zakir Hossain
Jr. Executive, Web & IT

Ashrafal Alam
Cinematographer

Umeduzzaman Khan Uchhas
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

97 | ST Editorial



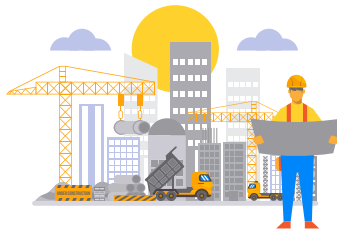
Cotton spinning mills
struggling to avoid losses

99-100 | Cotton Today



Discourse of BT cotton in
Southeast Asia (Part-II)

102 | Technical Textiles



Buildtech Textile has huge
potential market to grab by
Bangladeshi manufacturers
(Part-1)

103 | Advertorial



Bangladesh lifts fumigation
requirements on US Cotton
following CCI-sponsored
U.S. cotton tour

104-106 | Exclusive Interview



“Need to expand ICA
members from Bangladesh
to influence and shape
cotton trade regulations”

108 | Advertorial



Field Tests Confirm High
Performance of New
Accotex Aprons

110 | News & Analysis



BGMEA seeks 10% cash
incentive on non-cotton
RMG export

110 | Advertorial



STARLETplus traveller for
MMF application

Discourse of BT cotton in Southeast Asia (Part-II)

Before adopting BT cotton Bangladesh government should research more on its pros and cons to its challenges

Sabiha Moontaha

Southeast Asia, a region which has a rich and profound textile industry heavily relied on cotton. Most of the regions are perfect for cultivating cotton and other natural fiber. However, cotton cultivation is not without its challenges, including pests and the need for large amounts of pesticides. In recent years, the adoption of genetically modified BT cotton has become increasingly popular in the region, as it offers significant benefits to farmers and the environment.

In the last part, we discussed BT cotton to know what it is and how the cotton actually works, in this part the quest will lead us to know more about the modern cotton business and the effectiveness of BT cotton.

Here are some significant challenges that are seen by the countries that have adopted BT cotton cultivation. It can help us to increase awareness as well as help us solve the problem that may arise.



Figure 1: Before adopting BT cotton Bangladesh government should research more on its pros and cons to its challenges.

Seed price and challenges

One of the most significant challenges that is seen nowadays is that the price of BT cotton seeds are usually higher than normal cotton seeds. The price of BT cotton seeds can vary depending on the region and the supplier. According to a report published by the International Service for the Acquisition of Agri-Biotech Applications (ISAAA) in 2019, the average cost of BT cotton seeds was around \$47 per kilogram globally.

Some government around the world regulates the cotton price and gives some subsidiary in the agricultural field to promote more production. However, cotton fiber price fluctuates very easily with the quality and region.

Cultivation process and problems

Widespread use of BT cotton can lead to monoculture, which can increase the risk of crop failure and decrease biodiversity.

When a single crop is grown over a large area, it creates an environmental impact that is favorable for pests and diseases. It can lead increase in the outbreak which as a result causes lower yields and increased use of pesticides.

Another problem that may arise is soil degradation, each crop has its own criteria of nutrition and the soil that is used to cultivate the crop is depleted of nutrients and organic matter. This can reduce the soil fertility and productivity.

Monoculture can be created and the biodiversity -- that we have today -- will face a threat because it can lead to the elimination of crop variety and wildlife that would normally be present in a more diverse environment.

Yield and income

In terms of yield and income, studies have shown that BT cotton can increase yields by an average of 22% and increase profits by 50% compared to traditional cotton varieties. However, these numbers

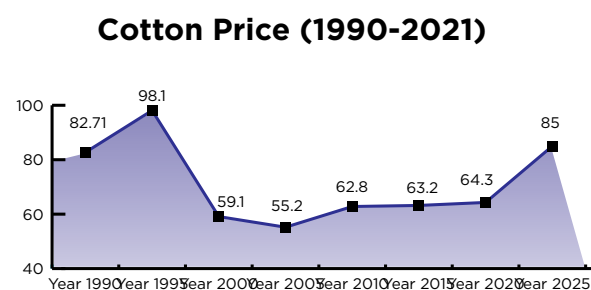


Figure 2: Cotton price per pound in cents. (Source: Statista)

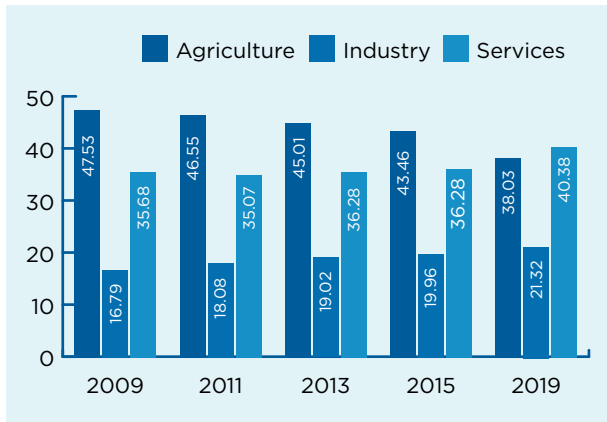


Figure 3: Distribution of economic sector from 2009 to 2019 (in percentage). (Source Statista)

can also vary depending on the region and the specific farming practices used.

If we see the chart of cotton price all around the world, the profit margin is clearly visible. Reduction of fertilizers and pesticides can also be a part to maximize the profit and minimize the cost.

Limited impact on small farmer

Bangladesh is an agricultural country, more the days going by the farmers are adapting to the new environmental challenges and making ways through them to increase the yield.

Ironically most of the farmers in our country are small farmers who have a little access to the developed technology. This knowledge includes how to manage pests, how to use fertilizers and how to harvest the crop. Without this knowledge the farmers may not be able to yield the highest crops and make the profit.

Another problem may arise in the process as to the seed cost and land ratio. If the land is small and the farmers can't grow proper amount to ensure the profit, this may lead the situation to a disagreement over cultivating BT cotton. Lack of the proper cultivation skill has already decreased the amount of farmers in our country. BT cotton can increase the percentage if it not properly cultivated. The graph below shows how the employment is decreasing in agricultural sector from 2009 to 2019.

BT cotton and organic: Which one to choose?

The basic difference between BT cotton and organic cotton is that BT cotton is a genetically modified crop that contains a certain gene from the bacteria *Bacillus thuringiensis* (BT), which produces a toxin that is harmful to certain pests like bollworms and others. Organic cotton, on the other hand, is grown without the use of synthetic pesticides or fertilizers and follows strict guidelines to ensure environmental sustainability and social responsibility.

While BT cotton offers some benefits in terms of pest resistance and yield, it is not considered

organic because it is genetically modified and may require the use of synthetic chemicals in its cultivation. Organic cotton offers benefits in terms of environmental sustainability and social responsibility, but may have lower yields and require more labor-intensive farming practices.

BT Cotton can make the cultivation process more cost-effective for farmers and may also have environmental benefits by reducing the amount of chemicals used. However, there are concerns about the long-term effects of genetically modified crops on the environment and human health, and the emergence of pests that are resistant to the BT toxin can reduce its effectiveness over time.

One of the major problems faced due to the course of time is that, after one or two-generation, the resistance drops greatly and the usage of fertilizers increases again.

Organic cotton, on the other hand, is grown using natural methods that prioritize environmental sustainability. It prohibits the use of synthetic pesticides and fertilizers, which can have environmental benefits, and it also promotes practices such as crop rotation and composting that can improve soil health and promote biodiversity. However, it may have lower yields and require more labor-intensive farming practices, which can make it more expensive.

Ultimately, the choice between BT cotton and organic cotton depends on the specific goals and values of the farmer or textile business. Some may prioritize cost-effectiveness and higher yields, while others may prioritize environmental sustainability and social responsibility. It's important to weigh the pros and cons of each option and consider the long-term effects of each approach before making a decision.

Bangladesh is a country that has adopted two varieties of BT cotton, not on a larger scale but the problems it may face have to resolve or be in consideration before adapting to the new cultivation process. Bangladesh is highly dependent on cotton fiber because of its RMG sector. Bangladesh has to pay up to \$5 billion in import bills annually for its high import dependence on cotton – a key raw material for the apparel industry.

However, before distributing the BT cotton seeds, the government should educate the farmers on modern farming methods otherwise the country may face a failure in this cultivation which can lead to economic vulnerability and farmers may experience significant financial losses.



2.9m or 3.5m
working width – less
space requirement –
better blending

Better blending from the beginning: **BO-P**

The new portal bale opener allows up to 50% more working width and 25 to 40% better blending. At the same time, the portal concept saves floor space: The **BO-P** can also be placed close to a wall because the bale lay-down area is freely accessible.

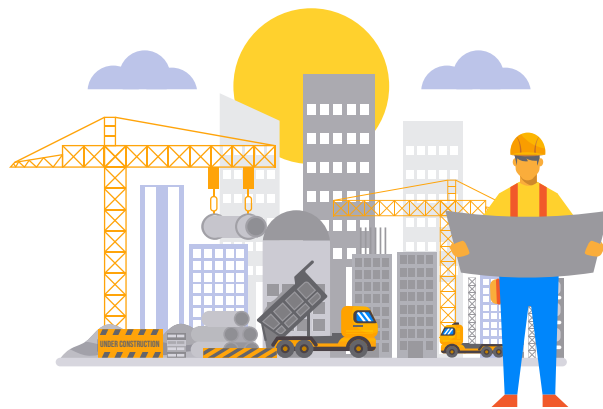
TRÜTZSCHLER
S P I N N I N G

www.truetzschler.com

Buildtech Textile has huge potential market to grab by Bangladeshi manufacturers (Part-1)

Saiful Saad

The term 'technical textile' typically refers to any fabric that is designed and used for a non-decorative purpose. Buildtech textiles are a category of technical textile - materials that are specifically designed and manufactured for use in the construction industry. These textiles are used to enhance the functionality and durability of buildings and infrastructure to improve their aesthetic appeal.



The utilization of these materials has been accelerated with the development of synthetic fibers. HDPE, PET, polypropylene, polyethylene, and nylon are the most common synthetic fibres used to make buildtech textiles. The global demand for Buildtech textiles market is presumed to reach the market size of nearly USD 5.58 million by 2028 from USD 3.52 million in 2021 with a CAGR of 6.8% under the study period 2022 - 2028.

Buildtech textiles are now being used in several important fields such as geotextiles, architectural sectors, nanotechnologies, acoustic material usage, etc. fields globally.

Geotextile's principal functions are to reinforce, separator, filtration, and face up to erosion management of roads, pavements, reinforced, drainage, railroads, and other infrastructures.

Geotextiles are made up of polymers such as polyester or polypropylene.

They are divided into 3 categories on the basis of the way they are prepared: Woven fabric geotextiles, closed fabric or non-woven geotextiles and knitted geotextiles.

The separation feature of geotextile is majorly used in the building of roads. Geotextile prevents the intermixing of two adjoining soils. By separating fine subgrade soil from the aggregates of the base course, the geotextile preserves the drainage and the strength characteristics of the aggregate material.

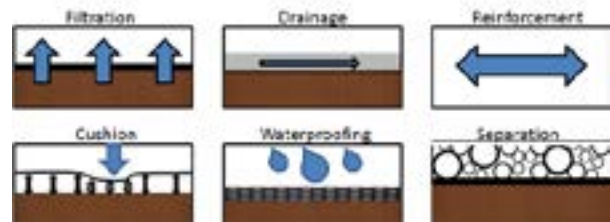


Figure: Working areas for geotextiles in construction industry.

Textile fibers are now being used in architecture for being light in weight, for higher tensile strength, higher elongation, resiliency, thermal insulation, etc. Current advancements in this industry are catching the attention of investors and fans. The DAR LUZ installation in Eindhoven by Lars Meeß-Olsohn and Ali Heshmati is an illustration of the future features of this buildtech progress. The temporary installation was made from conventional roof battens fastened together into 22 square frames and mounted to the wooden walkway at a 15° angle. Afterward, 150 square meters of elastic, impregnated cloth were stretched over this clever wooden construction.

'Tubaloon' is the name given by the architect Snohetta to the 20 m x 40 m pneumatic membrane sculpture which was created for the Kongsberg jazz festival in Norway. The combination of a stretched membrane with a pneumatic design is the special feature of the Tubaloon. Stretched membrane structures have exterior structural parts but in the case of the Tubaloon the static structure is located like a skeleton inside the pneumatic shell. The membrane of this sculpture is made from a special PVDF (Polyvinylidene Fluoride) fabric coated with PVC (polyvinyl chloride) which is weather-resistant and also diffuses light onto the surface.

The use of nanotechnology in different building goods and materials has resulted in significant advancements in the construction sector. The use of nanoparticles in cement and concrete is one of the most common uses of nanotechnology in the textile industry. When nanoparticles are mixed with cement and concrete, they improve strength, durability, hardness, and ductility. Several nanomaterials utilized with cement and concrete include silica and nano clays, nano iron (Fe₂O₃), nano alumina Al₂O₃, CuO, zinc oxides, and titanium oxides. By integrating nano-iron and nano-titanium into cement or concrete, the self-sensing, strength, and self-cleaning capabilities of the concrete are increased.

Part-2 coming in the next issue



**U.S. COTTON
TRUST PROTOCOL®**
Trust in a smarter cotton future

Bangladesh lifts fumigation requirements on US Cotton following CCI-sponsored U.S. cotton tour

Cotton USA Story

A Cotton Council International (CCI)-sponsored Bangladesh Ministry of Agriculture Delegation's U.S. visit from Oct. 30-Nov. 5, 2022, coupled with indispensable efforts by the U.S. Department of Agriculture's (USDA) Foreign Agricultural Service (FAS) office in Dhaka, ultimately convinced the Bangladesh government to relax its nearly five-decade-long fumigation requirement on U.S. cotton imports.

This shift will remove a significant export barrier for U.S. cotton to Bangladesh, as well as save Bangladeshi mills time and money as they look to the U.S. to fill their cotton fiber import needs. Bangladeshi mills have been paying over a million dollars annually to cover unnecessary fumigation costs imposed on cotton imported from the U.S.

U.S. exporters will continue to use APHIS-generated phytosanitary certificates, but under the new regulation, the certificate will have additional language confirming no live boll weevils are in U.S. baled cotton. APHIS will issue revised instructions for exporters.

Bangladesh's Agricultural and Commerce Ministries' decision to lift the fumigation requirements on U.S. cotton came after six Bangladesh Ministry of Agriculture delegation members joined a CCI-sponsored U.S. cotton tour. Thanks to coordination with the National Cotton Council (NCC), the Bangladesh Ministry of Agriculture delegation conducted U.S. cotton meetings in Tennessee, Mississippi and Texas. They met with U.S. cotton

industry representatives and visited cotton fields, gins and warehouses, and the USDA Agricultural Ginning Research Laboratory in Stoneville, Miss.

The delegation learned why U.S. cotton bales do not harbor live boll weevils, including a review of the U.S. cotton industry's successful Boll Weevil Eradication Program and its modern cotton harvesting and standardized ginning techniques. Additional discussion topics included the phytosanitary inspection and certification process with APHIS during Zoom calls at the NCC headquarters in Cordova, Tenn., and during a meeting with the Texas Boll Weevil Eradication Program in Harlingen, Texas.

In Mississippi, the Bangladesh Ministry of Agriculture delegation members met with Staplcotn—a U.S. cooperative and leading exporter of U.S. cotton to Bangladesh—and toured a gin and warehouse. U.S. cotton grower Sledge Taylor gave the group a tour of his family's cotton farm and gin operations, as well as an overview of the sustainable cotton production practices U.S. cotton growers follow.

Bangladesh presently ranks as the No. 2 global importer of cotton, according to the USDA FAS's global market analysis in May 2023. Although there is some domestic cotton produced in Bangladesh, it accounts for 1% or less of the total demand.

Bangladesh was a Top 10 export market for U.S. cotton in 2022, with exports valued at \$477.07 million (<https://www.fas.usda.gov/regions/bangladesh>).



Azhar Ali, COO (Spinning), SALMA Group

“Need to expand ICA members from Bangladesh to influence and shape cotton trade regulations”

BTT Interview

The textile and apparel industry in Bangladesh is currently facing significant challenges such as the high cost of raw materials, power expenses, and the need for product diversification etc. Addressing these issues is crucial at this point. Recently, Azhar Ali, COO (Spinning) at the SALMA Group, was interviewed by Textile Today. He joined Salma Group as a consultant in 2019. Throughout his career from 1995, he visited many countries including Brazil, India, China, and South Korea, and gathered extensive experience.

He talked about his professional journey in the textile industry, the difficulties he faced, and his

experiences working in various textile companies. He also discussed the challenges of the industry, including the high costs of raw materials, power, and finance. To improve competitiveness in the market, he suggested that product diversification is essential in reducing costs.

The Salma Group is primarily involved in the import and trade of raw cotton and the production of yarn that is intended for export. They achieve this through a variety of spinning mills owned by the group, which includes Tamijuddin Textile Mills Ltd (TTML), Dabiruddin Spinning Mills Ltd (DSML), Suraiya Spinning Mills Ltd

(SSML), BSB Spinning Mills Ltd, and Humaira Composite Textile Mills Ltd (HCTML). The group is known as a leading producer of high-quality yarn within the country and their yarn is utilized by prominent knit and garment factories that focus on 100% export. They are producing all kinds of blends such as Viscose-mélange, PC-CVC, 100% modal, 100% Tencel, cotton blends and more.

Textile Today: Could you share your professional journey?

Azhar Ali: I completed my undergraduate degree in Textile Engineering from Textile Engineering College (now BUTEX)

Exclusive Interview

in 1995. I started my career at Beximco Textile and later on did job at Padma Textile, Prime Textile but I felt that I was not given the opportunities I deserved to learn and develop myself.

In the beginning of 1997, I joined Square Textile, where I made my identity in the textile sector. After leaving Square Textile, I built Badsha Textile with my all experience. Implementing a new project was part of my career plan. I made a team and successfully completed the project of 50,000 spindles. We started commercial production within 8 and a half months. The productivity was unparalleled, with 32 tons of production per day and approximately 49,600 spindles produced by one blowroom.

However, I felt that I have lack of knowledge in commercial, banking, insurance, and other areas, so I left Badsha Textile to join Delta Spinning as a senior GM.

Here I successfully redesigned the factory within 6 months, reversing the factory's production from 30% ring and 70% rotor to 70% ring and 30% rotor. I redesigned everything from humidification to every other aspect of the factory. After working there for two years, I left Delta Spinning to join Zerina Composite Textile Industry Ltd. as a working partner and CEO. At Zerina Textile, I had to oversee all work, from the MD to the CEO, and activated closed machines, develop the system, build a new team, and pay off long-term loans.

After 2016, I started a consulting firm to share my experience and ideas and provide technical support for starting new companies. However, I realized that I had more to do in the sector and started diversifying the products. We started with all the fancy yarns at Zarina Textile, and the market gave us good feedback.

I believe that a 100% cotton factory is not feasible for Bangladesh because the raw material cost is the first cost

center, ranging from 65%-75% of total costs, followed by power costs. The cost used to be around 5-6% at some point, but now it has gone up to 7-8%. Because most machines are automatic, wages can vary from 4-5%. The financial portion of the bank should be 7-8%, but currently, it's almost 12-13%, and this cost is increasing day by day due to various mechanisms.

To reduce these costs, it's essential to work on raw materials, which are the most expensive. To achieve this, we must move towards product diversification, which means abandoning cotton and using other fibers instead.

Textile Today: What is your opinion on implementing modular production lines in response to the changing ordering patterns of global buyers and consumers?

Azhar Ali: I believe that implementing modular production lines should be considered from the initial planning stage. However, it may not always be feasible to do so in an existing industry due to the dependence of carding machines on the products being produced. If we want to implement a modular production line, we would need to increase the number of carding machines, make changes to processing machines, and bring in additional blending machines.

Textile Today: Due to the changing ordering pattern of global buyers and consumers, manufacturers need to change their program to do small orders. What steps should be taken to

ensure quality?

Azhar Ali: To ensure quality, we need to increase the number of carding machines since different materials require different carding specifications and speeds. We should also increase the blending line and make sure that the team understands the fluctuating demand of customers and their desire for new products.

Starting a new factory is another option, and we have designed a new factory with fiber dyeing capabilities that will be operational by the end of the year. This new factory will have 40,000 spindles running from 7 blow room lines, producing different products and colors.

Textile Today: What are the current trends in fiber and how can the industry shift towards man-made fibers given their tight profit margins? What preparations should be taken in the spinning sector?

Azhar Ali: It's challenging to incorporate new machines into existing factories due to space constraints. However, blending units can be located elsewhere instead of the blow room, and carding machines can be arranged in smaller spaces. Draw frame heads should be increased, and the factory should be prepared for the transition toward man-made fibers.

As for fiber trends, countries with high temperatures demand 100% cotton or cotton blend products, while cold countries prefer products without cotton. However,





this discussion has only focused on the knitting segment. The woven segment is an untapped market that we can explore more. We have already begun developing different products and processing for customers in this segment.

The sweater market is another opportunity for product diversification. Cotton mélange is in high demand in the sweater market, but it is mostly imported. Therefore, we can tap into the sweater and woven segments from the hosiery segment. Denim, on the other hand, is almost saturated in our country, so the focus should be on the top body part garments in the woven segment.

Textile Today: *In recent years, cotton prices have been fluctuating. What advice would you give to factory owners regarding strategies to follow when purchasing cotton to avoid these fluctuations?*

Azhar Ali: This is a difficult question to answer because the global market follows the New York Cotton Exchange (NYCE) commodity. Cotton can be purchased through fixed-price or on-call options. In our country, cotton is mainly procured through a fixed price, with limited forward booking. However, as we rank second highest in cotton consumption, traders have started to adopt the on-call method.

Dealing with on-call system requires a detailed understanding of global trading, and those who deal with this system have received education from renowned

universities worldwide. To cope with them, we need to have a detailed idea about global trading. Shippers always develop everything in their favor, so increasing the number of members from our country in the International Cotton Association (ICA) will enable us to participate in changing the rules and regulations. The current total number of ICA members is 291 where 22 factories in Bangladesh are ICA members.

Textile Today: *Can you tell us about the new products that you are currently developing and planning for the future?*

Azhar Ali: At Salma Group, we are continuously planning and developing new products. Currently, we are working on a new cotton- mélange factory that has a capacity of 40,000 spindles per day and can produce 22 tons per day. Additionally, we are establishing a fiber-dyeing factory that has a capacity of 16 tons per day, and it can dye different types of fibers, including cotton, polyester, viscose, and linen.

We are also aware of the decreasing reserve of underground water, which is essential for soft water usage. Thus, we are also planning to produce dope-dye polyester and dope-dye viscose in the future.

Furthermore, we are focusing on colored mélange -linen products and developing new products in this category. We are also planning a new project of 100% linen with a capacity of 4 tons per day, and we expect it to start by 2025.

Textile Today: *What are the qualities besides technical knowledge that a textile engineer should possess in order to achieve a top position? Please share your personal experience.*

Azhar Ali: As textile engineer, we often focus on the technical processes and neglect other aspects of the industry. However, if we aspire to become a factory head, operations head, or CEO, we must have a comprehensive understanding of all the departments in the industry.

To achieve this, we can plan our career development from the beginning, identifying at which stage we will learn about different aspects such as processes, quality assurance, maintenance systems, utilities, marketing, finance, and accounts. This requires a lot of patience and dedication.

As a leader, we will be responsible for solving problems and developing our team. The success of our factory and the entire process depends on how well we can train our team members. The new generation is highly talented, and if they give their best effort, they can do very well in this industry. Ultimately, we want to see textile engineers leading the industry in the future.

Textile Today: *Do you have any special message for professionals in the textile industry?*

Azhar Ali: With my 29 years of experience in this field, I want to emphasize that there will always be fluctuations in the market, and sometimes it can be really tough. However, this is also the time to identify the areas where we can sustain and invest in those segments.

Apart from importing cotton, we should focus on other products as well. If we can design our factories accordingly, we can excel in the near future. As we are leading the industry currently, we can continue to do so in the future by adopting timely and appropriate product diversification.

WHAT CAN AUTO CONE PACK DO FOR YOU?

INDO TECHNOLOGY[®]
Automate and inspect to Lead

50+
Installations



Scan QR code for video



AUTO CONE-PACK[®] Bag Packing (Sack)

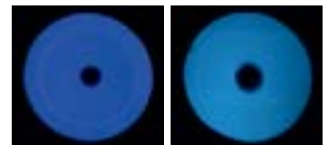
- Weight Control : Avoids excess weight of mill's standard into each packed box or bag
- Eliminates cone mix-ups and cone defects
- Packing report and integration of ERP
- Tracing / Tracking
- Consistent packing
- Man power saving

CONE i
Computer vision powered
cone inspection

Cone Tip Identification



UV image Analysis



Auto Cone Pack performing at:



Visit us at
H1 - E311
08 to 14 June 2023.

NOMAN



Suryalata Spinning
Mills Limited



TRIDENT GROUP[™]
Being different is normal

sutlej

KPR
MILL LIMITED

INDO TECHNOLOGY PRIVATE LIMITED
www.indotextology.com

Coimbatore, India.

For Enquires

+91 94425 24314 +91 98430 22118
Email: info@indotextology.com

Field Tests Confirm High Performance of New Accotex Aprons

Accotex Story

The latest Accotex apron NO-79201 is made from new compounds that deliver longer life and better performance. Flexible enough to work with all fiber types across ring and compact-spinning machines, field trials show better resistance throughout a 12-month spinning cycle.



Figure 1: Accotex NO-79201 is available in a wide range of dimensions as top and bottom apron for all kinds of applications.

The NO-79201 (Fig. 1) is a new generation of aprons for ring and compact spinning machines.

It is made of two aligned rubber compounds which deliver a high abrasion and crack resistant spinning apron. The mechanical robustness of the rubber compounds allows effective use on all ring and compact-spinning machines, working with all fiber types and within the whole spectrum of yarn counts.

The excellent friction properties of the compound contribute to a smooth and even running over the whole service life of the apron, especially at the start-up of machines.

Superior friction behavior

The new Accotex NO-79201 was tested for 12 months at a customer in the USA, alongside the already existing NO-78210GX, the NO-78210G and a competitor's apron (Fig. 2). The friction value of the different aprons was measured over the whole apron life in regular frequencies. Each column reflects the individual friction value of the inner layer evaluated on representative apron samples from the field test at 3, 6, 9 and 12 months.

After 12 months running, the inner layer friction of the new NO-79201 is nearly unchanged, confirming the smooth and even running over the whole service life of the apron. This superior friction behavior has also been reported from other Accotex customers across the world, processing different fiber types, blends and yarn counts. Besides, these trial customers have noticed far fewer broken bottom aprons than they would normally expect.

Different versions for flexible use

The Accotex apron NO-79201 is available in a wide range of dimensions as top and bottom aprons for all kinds of applications. It comes as closed apron, skived bottom apron or skived and pre-glued bottom apron. The NO-79201 can be supplied with a plain inside or a specially configured inner layer pattern, known as a knurled version (Fig 3). The main benefit of the knurled apron is to provide less contact area to the nose bar, which enables lower torque, and

The NO-79201 is available in a wide range of dimensions as top and bottom aprons for all kinds of applications. The Accotex NO-

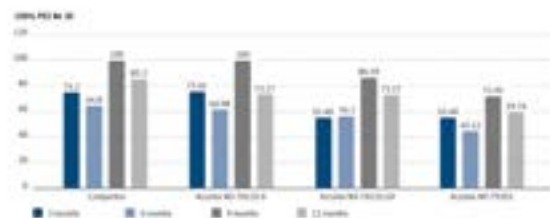


Figure 2: The new apron NO-79201 shows nearly unchanged inner layer friction, confirming unmatched performance over time.

thus less stress on the bottom roller bearings. This also allows the inside structured apron to run clean on so-called “dirty” fibers and to work efficiently in demanding environmental conditions in terms of fiber cleanliness. The knurled apron is available with diameters of 72.5, 76.3 and 79.0 mm.

Overall, the new Accotex NO-79201 spinning apron provides improved performance for ring and compact-spinning with less machine downtime. Its flexible application may also reduce stocking levels and simplify servicing regimes.



Figure 3: Accotex NO-79201 can also be supplied with a knurled inner layer, for increased service life.

About Rieter

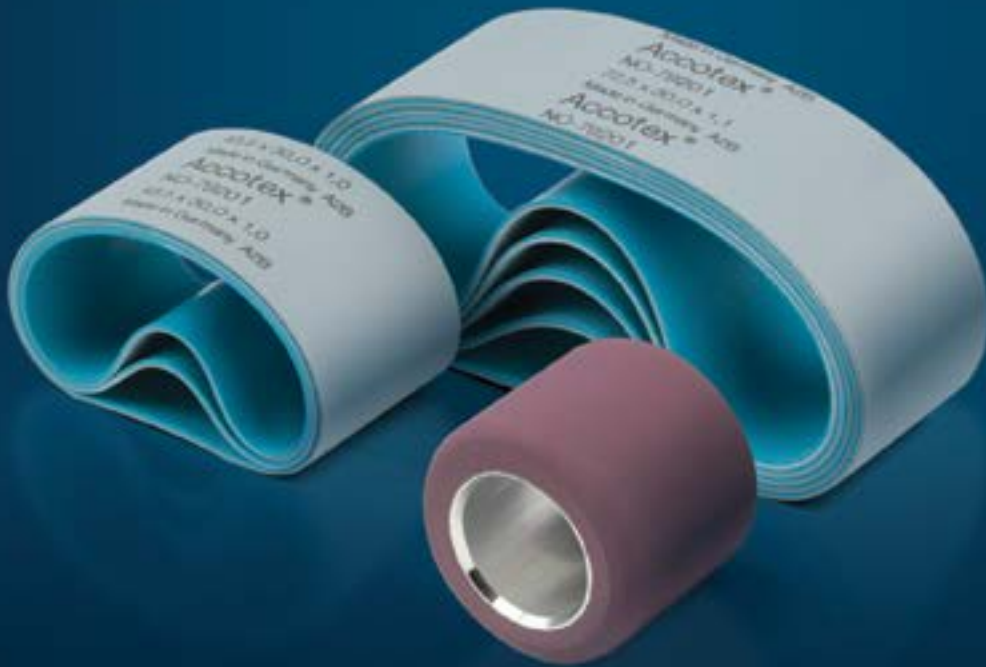
Rieter is the world's leading supplier of systems for short-staple fiber spinning. Based in Winterthur (Switzerland), the company develops and manufactures machinery, systems and components used to convert natural and man-made fibers and their blends into yarns. Rieter is the only supplier worldwide to cover both spinning preparation processes and all four end-spinning processes currently established on the market. Furthermore, Rieter is a leader in the field of precision winding machines. With 17 manufacturing locations in ten countries, the company employs a global workforce of some 4 900, about 18% of whom are based in Switzerland. Rieter is listed on the SIX Swiss Exchange under ticker symbol RIEN. www.rieter.com

About Accotex

Accotex, the world's leading supplier of cots and aprons for the textile industry, is a subsidiary of the Rieter Group. Accotex, based in Muenster (Germany), creates customer value through system expertise, innovative solutions, after-sales excellence and global presence. The leading position of Accotex cots and aprons is based on more than 100 years of elastomer expertise. The products are used primarily in short- and long-staple spinning, rotor and air-jet spinning, and twisting. www.accotex.com

Accotex

Make the Difference



Accotex Elastomer Components

The leading cots and aprons ensure process stability and high yarn quality in all staple fiber applications.

Visit us at ITMA Milan

June 8 – 14, 2023

Hall 1, booth C206

www.accotex.com

STARLETplus traveller for MMF application

Textile Today Report

Spinning aggressive fibres is no longer limited thanks to the specific characteristics of STARLETplus travellers. Processing these fibres can lead to cutting marks in the yarn path of standard travellers. The time for such cutting marks to appear, sets



Figure 1: Abrasive wear at yarn/traveller passage

the benchmark for the traveller quality regarding hairiness and neps of the yarn.

STARLETplus is a further development of the proven STARLET coating. The electrolytic surface treatment, optimized for aggressive fibers, considerably reduces the risk of early grooving. It also provides reliable corrosion resistance.

STARLETplus has a proven extended traveller life of up to +50% compared to the

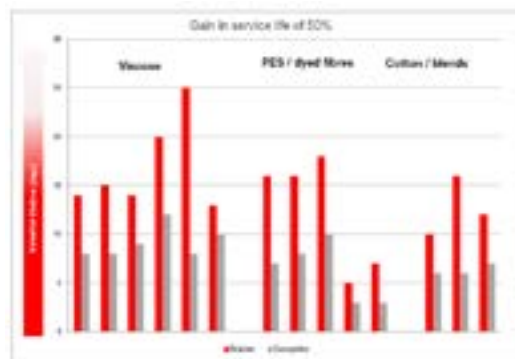


Figure 2: Traveller service life of STARLETplus compared to competitor products for different spinning parameters

competition. In practical tests with viscose, CO/CV blends, PES and dyed fibers, constant yarn quality values were achieved throughout the extended service life.

BGMEA seeks 10% cash incentive on non-cotton RMG export

Arif Uz Zaman

The Bangladesh Garment Manufacturers and Exporters Association (BGMEA) has demanded a 10 percent incentive on the export price of non-cotton garments in the next budget. This demand was stated in a letter sent to Finance Minister AHM Mustafa Kamal signed by the organization's president Faruque Hassan.

In the letter, Faruque Hassan said, the whole world is facing a new challenge without overcoming the impact of Covid-19. However, expansion of non-cotton products is strategically very important to meet the adverse conditions and achieve \$100 billion in apparel exports by 2030. Therefore, if special incentives are given in this sector at the rate of 10 percent (of export value), our exports will increase.

He said, 75 percent of the world's annual clothing consumption currently comes from synthetic fibers; the remaining 25 percent comes from cotton. Meanwhile,

currently 52 percent of global apparel trade is made of synthetic fibers, Bangladesh exports only 26 percent of such apparel.

At present Bangladesh exports about \$45 billion worth of apparel products annually. In the last financial year 2021-22, 73 percent of the total apparel exports were yarn or cotton products.

Clothing consumers around the world are gradually shifting towards man-made fibers or synthetic fibers instead of cotton. In such a context,

For these reasons, to ensure the sustainable growth of this industry, a special incentive of 10 percent on the export price of synthetic fiber garments will bring new investment and increase employment in the related service sector. This will also increase direct and indirect revenue of the government.

In the letter, he mentioned the incentives given by the government in the past decade



Figure: At present Bangladesh exports about \$45 billion worth of apparel products annually.

for market diversification and creation of new markets, which is still ongoing. As a result, our exports to non-traditional markets have increased from \$849 million to \$6.37 billion in the last 14 years. Similarly if this incentive is given for fiber diversification then new horizons will open up in exports.

It also said transition from LDCs would lead to restrictions on cash incentives from 2026 onwards. Therefore, considering the situation, investment should be increased by giving incentives in various sectors till 2026.

Bräcker

Make the Difference



SFB Ring and Ring Traveler System

At highest speed to best yarn quality

Visit us at ITMA Milan
June 8 – 14, 2023
Hall 1, booth C206

www.bracker.ch



Runhe Ningbo Runhe High-tech Material Co.,Ltd

Excellent And Unique Textile Finishing Expert



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

ACIAIT
ITALIAN TEXTILE MACHINERY *Presents*



08 — 14
JUNE 2023

FIERA MILANO RHO
MILAN . ITALY
www.itma.com

SPECIAL SUPPLEMENT

May 2023

A Textile Today Initiative | Published with Volume 16, Issue 05 | Pages 113 to 138



Investment trends and ITMA 2023: Insights from Asif Ashraf

- **Asif Ashraf**
Managing Director, Urmi Group.

Get high-quality knitted fabrics with Santex Rimar's energy-efficient stenter 'Santaframe'

ITMA 2023: An event to promote sustainable and efficient technologies and machinery in the textile industry

Rieter's innovation in recycling fibers to thrive the spinning industry

SHAPING THE FUTURE



ITMA 2023

08 — 14
JUNE 2023

FIERA MILANO RHO
MILAN . ITALY

www.itma.com

ACIAIT
ITALIAN TEXTILE MACHINERY



madeinitaly.gov.it



Ministry of Foreign Affairs
and International Cooperation

ITA[®]
ITALIAN TRADE AGENCY

ACIAIT
ITALIAN TEXTILE MACHINERY

ITMA to showcase game-changing technologies in Milan

Amzad Hossain Monir

ITMA, the world's largest international textile and garment technology exhibition, is knocking at the door and is to be held from 8-14 June 2023 at Fiera Milano Rho, Milan. ITMA, started in 1951 and held once every four years in Europe, has evolved into a platform for showcasing emerging trends, innovative technologies/solutions & best practices, gathering new knowledge & information, and creating opportunities for networking & closing business deals.

Milan is going to host the ITMA for the sixth (6) time since its inception and this time around 1700 exhibitors will exhibit on more than 200,000 m2 of space from 45 countries and it is expected that the visitors will be more than 100,000 from the different corners of the world.

The theme of the ITMA 2023 is 'Transforming the World of Textiles', which reflects the aspirations of both textile machinery

manufacturers and textile producers that collaboration can bring forth a more sustainable future for the industry and the planet. The four (4) trending topics are - Advance Materials, Automation & Digital Future, Innovative Technologies, and the most demanding Sustainability & Circularity - to be highly showcased and discussed in the expo.

According to the EU's circular economy action plan 'aims to double the share of recycled materials used in its economy by 2030' - the demand for sustainable & recycled items rises significantly in our export markets. The majority of the orders from the leading brands & retailers follow the above-aligned strategy. To facilitate & grab such orders by the textile & garment manufacturers - technology manufacturers invested a lot in the last couple of years which we noticed in the pre-ITMA press meet of ACIMIT & SWISSMEM from 15 - 18 March 2023 in Milan & Bern.

Most of the exhibitors are set to demonstrate fully integrated technologies with updated automated features for the end-to-end production of fully-finished garments, home textiles, and other textile & non-textile areas. Leading dyes & chemicals manufacturers are also set to demonstrate their full range of innovative & sustainable solutions. This time ITMA spanning across 12 halls on the ground level of Fiera Milano Rho, the sector & facility plan features all 20 chapters of the Index of Products, ranging from spinning to finishing, software, logistics, and fibers, yarns & fabrics.

To guide the investors & visitors - ITMA is going to organize/host a couple of events during the expo like ITMA Textile Colourants and Chemicals Forum, ITMA Nonwovens Forum, Automation & Digital Future, Sustainability & Circularity, etc. ITMA 2023 will also

continue to help the textile and garment community identify, highlight and acknowledge the innovations that will push the industry forward through the following programs - Sustainable Innovation Award, Innovator Xchange, and the newly launched Start-Up Valley (spotlights companies in its early stages of development with new and game-changing solutions and technologies to support and inspire innovation for the textile, garment, and fashion industry).



Author:

Amzad Hossain Monir
Head of Business Development
Textile Today

ITMA 2023: An event to promote sustainable and efficient technologies and machinery in the textile industry

Akhi Akter

Introduction

The textile industry plays a significant role in global manufacturing, but it is also known for its environmental impact. As the industry faces increasing pressure to adopt sustainable practices, trade shows like the International Textile Machinery Exhibition (ITMA) provide a platform for showcasing innovative technologies and machinery that promote sustainability and efficiency. ITMA 2023, scheduled to be held in the coming months, aims to revolutionize the textile industry by highlighting advancements in sustainable manufacturing processes, energy-efficient machinery, and eco-friendly materials.



Sustainable manufacturing processes

ITMA 2023 will showcase various sustainable manufacturing processes that minimize the environmental impact of textile production. One such process is waterless or reduced water consumption dyeing, which eliminates or significantly reduces water usage in the dyeing process. Technologies like air dyeing and digital printing reduce water consumption, chemical usage, and wastewater generation.

Additionally, ITMA 2023 will highlight advancements in energy-efficient processes such as heat recovery systems, where waste heat generated during production is captured and repurposed, reducing energy consumption. Moreover, innovative dyeing and finishing methods that require less energy, such as cold plasma technology, will be showcased.

The exhibition will also focus on circular economy approaches, including textile recycling and upcycling technologies. These processes convert textile waste into new materials or products, reducing the industry's reliance on virgin resources and minimizing landfill waste. Attendees can expect to see demonstrations of textile-to-textile recycling technologies and examples of upcycled textile products.

Energy-efficient machinery

ITMA 2023 will feature cutting-edge machinery that is designed to maximize energy efficiency while maintaining productivity. Exhibitors will showcase advanced looms, knitting machines, spinning machines, and other equipment that utilize energy-saving technologies. For example, some machines incorporate intelligent automation and control systems to optimize energy consumption based on real-time production demands. Others may employ regenerative braking systems or innovative motor designs to reduce energy losses during operation.

Furthermore, exhibitors will present innovations in digitalization and Industry 4.0 technologies that enable smart manufacturing processes. These technologies facilitate real-time monitoring and analysis of energy consumption, allowing manufacturers to identify areas for optimization and implement energy-saving measures.

Eco-friendly materials

ITMA 2023 recognizes the importance of promoting sustainable materials in the textile industry. The exhibition will feature eco-friendly fibers and fabrics that are produced using environmentally conscious methods. For instance, attendees can explore exhibits showcasing organic cotton, which is cultivated without the use of harmful pesticides and reduces water consumption compared to conventional cotton farming.

Another noteworthy aspect is the emergence of bio-based and recycled materials. Innovations in the field of bio-based fibers, such as those derived from renewable sources like bamboo or corn, offer alternatives to petroleum-based synthetic fibers. Additionally, recycled materials made from post-consumer waste, such as polyester yarn derived from plastic bottles, will be on display.

ITMA 2023 will also emphasize the importance of certifications and standards for sustainable materials. Exhibitors will highlight certifications like Global Organic Textile Standard (GOTS) or OEKO-TEX Standard 100, ensuring that the showcased materials meet stringent environmental and social criteria.

Knowledge sharing and collaboration

ITMA 2023 provides a platform for knowledge

YOU CAN SPIN BEST WITH

CANSPIN
Industries



ITMA 2023

Hall No. 2

Stand No. A107

Manufacturer of All Type of Spinning Cans, Castor Wheel

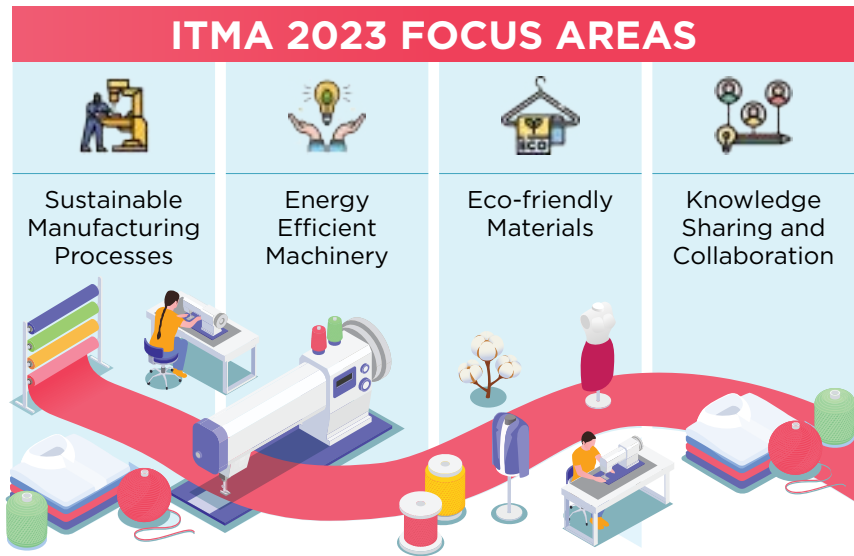
- 📍 Survey No. 465, Near Paper Mill,
Surendranagar-Lakhtar Road,
Village : Dedadara-363030, Ta.: Wadhwan,
Dist. Surendranagar (Gujarat) INDIA
- ☎ Ph. +91 94279 67891/2 | +91 93289 25155 | Mo. +91 99091 83825
- ✉ E-mail : info@canspin.in
- 🌐 www.canspin.in

sharing and collaboration among industry professionals, researchers, and policymakers. The event will host conferences, seminars, and panel discussions addressing sustainability challenges and solutions in the textile industry. Experts will share insights on sustainable manufacturing practices, energy-efficient technologies, and the implementation of circular economy principles.

In addition to formal discussions, the exhibition will foster networking opportunities, allowing attendees to connect and collaborate on sustainability initiatives. This enables the exchange of ideas, promotes partnerships between industry stakeholders, and encourages the adoption of sustainable practices throughout the textile supply chain.

Conclusion

ITMA 2023 serves as a catalyst for transforming the textile industry by promoting sustainable and efficient technologies and machinery. The exhibition will showcase innovative manufacturing processes that reduce water consumption, energy-efficient machinery that maximizes productivity while minimizing energy usage, and eco-friendly



materials that offer alternatives to traditional textiles. By highlighting these advancements, ITMA 2023 encourages the industry to embrace sustainability and drive positive change.

Through knowledge sharing and collaboration, the event creates a platform for industry professionals to come together, exchange ideas, and develop solutions for a more sustainable textile industry. By adopting the showcased technologies and implementing sustainable practices, manufacturers can reduce their environmental impact, conserve resources, and meet the growing demand for eco-friendly textiles. ITMA 2023 represents a crucial step toward a more sustainable and efficient future for the textile industry.

Itema to showcase innovations for weaving industry at ITMA

Sanjoy Saha

Globally leading weaving solutions provider - Itema Group will showcase its tangible and significant innovations for the weaving industry at ITMA 2023 in Hall 6 - B105.



Figure: Itema Group will showcase its tangible and significant innovations for the weaving industry at ITMA 2023. Courtesy: Itema

Itema Group will welcome visitors with a product line-up designed to confirm and exhibit its dedication to innovation and the Made in Italy excellence in the weaving sector.

With a total of 12 Itema EVO weaving machines on show (7 in the Itema booth and 5 in the partners' booth - Staübli, Van De Wiele, MEI, and Julibao), Itema has confirmed its attitude in exhibiting weaving machines running innovative, complex, and challenging fabrics to demonstrate its superior textile mastery.

Itema will bring on stage sophisticated, diversified styles,

designed in cooperation with leading textile companies - all Itema customers - such as ISKO, Mantero Seta, Drago Lanificio in Biella, Tessitura Marinoni, Frau Pérez Textiles, and Finsa Textil at ITMA 2023.

ITMA 2023 comes back to Milan, and Itema takes advantage of this prestigious stage to introduce its new EVO weaving range for the first time. The new EVO weaving range features significant innovations designed to raise the bar in terms of textile mastery, eco-efficiency, performance, and easy weaving, the company said in a press release.

FEEL

THE ADDED VALUE
of ITEMA TECHNOLOGY

It's the technology that produced your fabric that makes your product so special.

The Itema weaving machines guarantee to worldwide weavers the most innovative technology tailored on the latest market trends: superior performances, eco-efficiency and textile mastery are the features you immediately feel when relying on Itema.



DISCOVER
MORE



iSAVER^{eco}

- € 2,000 Less
- 20 Mln Liters Water Less
- 1,000 kg Cotton Less

Visit us



ITMA 2023
Milan, 8-14 June
Hall 6 - B105

itema *feel the future*

Textile Machinery
itema® itematech®

Industrial
LAMIFLEX® | SCHÖCH®

Innovation and Solutions
itemalab∞®



Tareq Amin, CEO, Textile Today with Franziska Hafeli, Vice President (Marketing), Rieter Machines & Systems

Rieter's innovation in recycling fibers to thrive the spinning industry

BTT Interview

Rieter is a Swiss company that specializes in manufacturing machinery, systems, and components for spinning mills to convert natural and man-made fibers into yarns efficiently. With over 227 years of experience, the company has 18 production locations in 10 countries and employs approximately 5,630 people worldwide, with 16.4% based in Switzerland. There is a big movement globally towards recycling ring fibers, and Rieter is working on better guiding these fibers and making it possible.

Franziska Hafeli, Vice President (Marketing), Rieter Machines & Systems, recently discussed the

challenges of handling short fibers and the potential of recycled fibers for achieving sustainability and energy efficiency in an interview with Textile Today.

Textile Today: *Could you provide an overview of Rieter, highlighting any new aspects, particularly introducing the company's products?*

Franziska Hafeli: Rieter, with over 200 years of expertise, is the premier supplier of spinning industry machinery based in Switzerland. Providing complete systems for processing short-staple fibers from bale to yarn. Whether it's the Rotor, Compact Ring, or Air Jet, we offer a

comprehensive range of machinery to meet the needs of all types of spinning mills.

Textile Today: *Could you elaborate on the structure of the spinning industry as it moves towards achieving the forecasted 15% usage of recycled fibers, considering that currently only 1% of fibers used in the industry are recycled?*

Franziska Hafeli: The challenge of utilizing recycled fibers lies in the handling of short fibers resulting from the tearing of reused textiles. While the spinning mill structure will remain the same, we are working on optimizing the machinery and processes to

Exclusive Interview

handle these fibers. Our focus is on process optimizations within existing spinning mills, as well as incorporating new machinery features. Ultimately, the basic technology of spinning mills will remain unchanged, with efforts concentrated on improved handling of short fibers and mats.

Textile Today: Share us more details on this aspect of recycling. What potential benefits and challenges does ring recycling present in terms of sustainability in the textile industry?

Franziska Hafeli: The movement towards recycling is gaining momentum globally, and Bangladeshi customers are also showing a keen interest in it. While recycling has been around for decades, the rotor process has proved to be highly effective in spinning short fibers. However, there is a growing market need to extend this process to include ring fibers, which are finer, stronger, and have a distinct texture. This

has led to significant demand for ring-spinning processes. These processes come with their own set of challenges, such as longer processing times and increased drafting, making it difficult to manage naps and short fibers. Despite this, we are working on developing better techniques to guide these fibers and overcome these challenges.

Textile Today: Is there a need for additional mountings on existing machinery when converting it into a recycling ring?

Franziska Hafeli: We have exciting news on this front and will be sharing more details soon. Our focus is on both optimizing existing processes and developing new ones. We have made significant progress with the existing rotor-spinning machinery, and we are currently working on further improvements.

Textile Today: Existing manufacturing units for spinning,

how can spinners transform them to include recycling operations?

Franziska Hafeli: There are two approaches to achieving sustainability in recycling operations. While new equipment may be necessary for the efficient processing of recycled fiber and reducing waste and energy consumption, it is also possible to upgrade existing spinning mills for the same purpose. Hence, sustainability is not just about processing recycled fiber but also about doing it efficiently.

Textile Today: Apart from recycling, are there any other unique features or innovations that you will be showcasing at ITMA?

Franziska Hafeli: We have several projects in the works, with a focus on sustainability, including energy efficiency. We will unveil our latest solutions for energy efficiency during the opening day of ITMA, and we are excited to showcase our upcoming innovations.

TMAS to showcase automated end-to-end production at ITMA 2023

Textile Today Report

Members of the Textile Machinery Association of Sweden (TMAS) are set to demonstrate fully integrated technologies with updated automated features for the end-to-end production of fully-finished garments and home textiles at ITMA 2023 in Milan, Italy, from June 8-14, 2023.

In partnership with a number of other companies, for example, ACG Kinna (Hall 9, stand C108) drew considerable crowds to demonstrations of its robotic pillow-filling system at the last ITMA show in 2019, TMAS said in a press release.

With the ability to fill and finish some 3,840 pillows per eight-hour shift, automated units cover the entire process—from the opening

and weighing of the fibre to the filling of the product and on to the sewing and packing processes. The system has been further developed to include new features including an integrated marking solution which allows the customer to print QR codes, batch numbers, and dates on the pillows' labels, and a unique software for automatically detecting pre-programmed faults which will be introduced in Milan.

“Technologies such as artificial intelligence (AI), machine learning, and automation are becoming increasingly important in the textile industry and in Milan, Swedish companies will showcase new machines and software that can help streamline production and improve efficiency,” said



TMAS Secretary General Therese Premler-Andersson.

In addition, following its acquisition of the portfolio of Nowo, Kinna is now a single-source supplier of such lines. Nowo's portfolio of textile production machinery, primarily for fibre processing and quilting, is well established and includes the highly successful Nowo Vac pillow filling system and the Noworoll ball fibre machine.

Investment trends and ITMA 2023: Insights from Asif Ashraf

BTT Interview

Asif Ashraf, Managing Director of Urmi Group, brings with him extensive professional experience of three decades, characterized by a focus on innovation and diversification. In addition, he is serving as the Director of the Bangladesh Garment Manufacturers and Exporters Association (BGMEA) from 2021 till present. Ashraf collaborates closely with the government to ensure a seamless transition of strategies following the graduation from the least developed country (LDC) status. As a prominent figure in the industry, he consistently strives for the improvement of the ready-made garment (RMG) sector in Bangladesh.

In a recent interview with Textile Today, Asif Ashraf shared his insights on the investment trends in Bangladesh's textile and apparel industry, as well as his expectations for the upcoming ITMA (International Textile Machinery Exhibition).

Regarding the investment trends, Asif Ashraf acknowledged the likelihood of a significant contraction in the global apparel market, projecting a potential decline of around 15% or more this year. This situation has led to concerns and a reduction in investments within the apparel industry. However, he emphasized that the current dollar crisis is a temporary phenomenon. Despite the challenges, Ashraf expressed optimism for the industry's future and highlighted the importance of exploring textile machinery rather than garments at ITMA.

Ashraf stated that it typically takes 1-2 years for the machines to bring into the country after the decision-making process at ITMA. Hence, the main objective for those attending ITMA from Bangladesh would be to examine the latest technologies available at the event. They are



The main objective for those attending ITMA from Bangladesh would be to examine the latest technologies available at the event. They are particularly interested in technologies that can help reduce production costs, gas consumption, and utility expenses while increasing efficiency. The focus will be on purchasing efficient machines to replace the outdated ones in the industry, some of which are over 20 years old.

Asif Ashraf
Managing Director, Urmi Group.

particularly interested in technologies that can help reduce production costs, gas consumption, and utility expenses while increasing efficiency. The focus will be on purchasing efficient machines to replace the outdated ones in the industry, some of which are over 20 years old. The aim is to find suitable machines that are both cost-effective and capable of improving overall productivity.

When asked about the specific machinery and technologies that can enhance productivity, reduce costs, and ensure sustainability, Ashraf highlighted the need for machines that offer sustainable product quality and incorporate new technologies while being cost-effective. He provided an example of prioritizing dyeing machines with lower liquor ratios or those that consume less electricity.

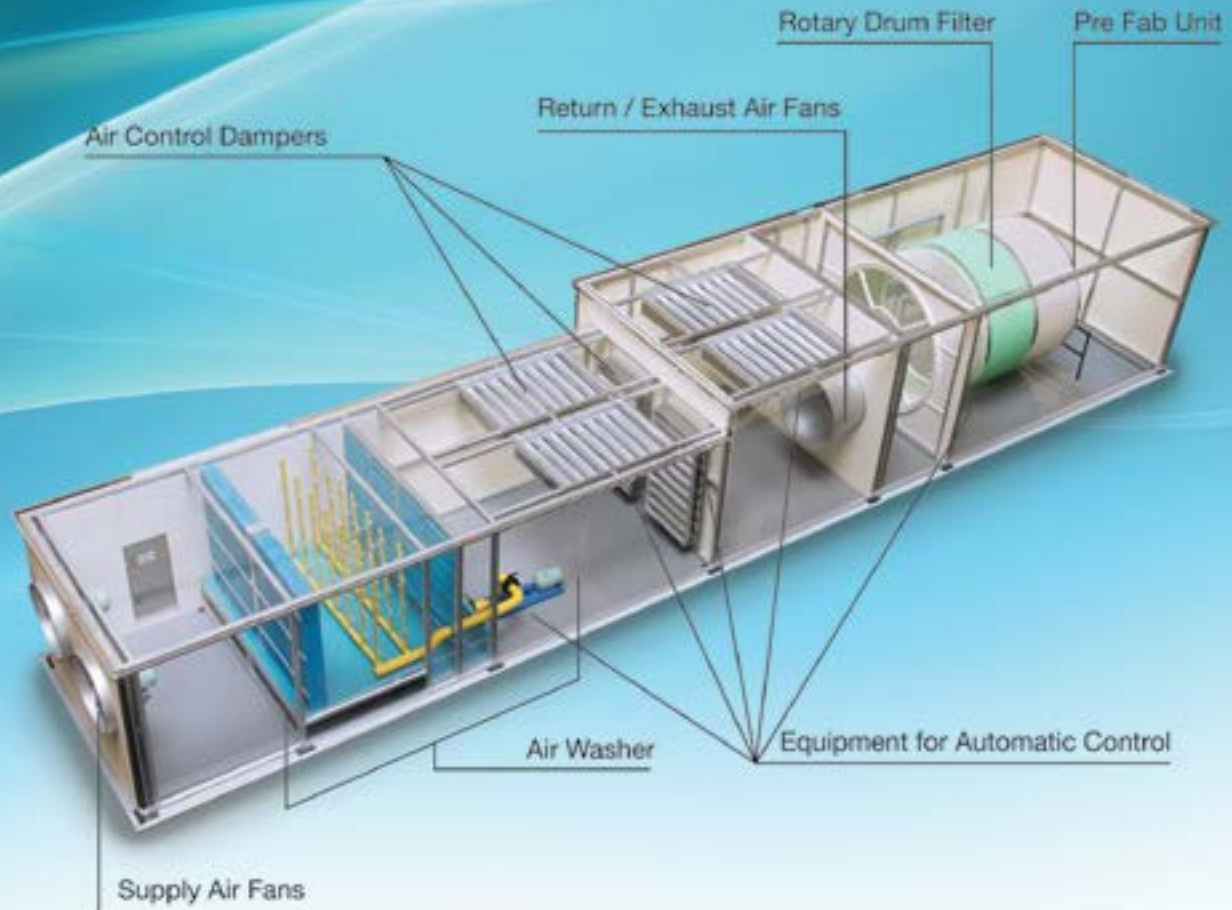
Similarly, for boilers and generators, he recently replaced an old boiler machine in their company with a new one because it had

higher gas consumption. The new machine consumes significantly less electricity, reducing operating expenses.

Overall, Asif Ashraf's perspective on the investment trends in Bangladesh's textile and apparel industry demonstrates his understanding of the challenges and his commitment to finding innovative solutions. His focus on exploring advanced technologies and efficient machinery at ITMA reflects his dedication to improving the ready-made garment sector in Bangladesh. By prioritizing sustainable and cost-effective solutions, Ashraf aims to enhance productivity, reduce costs, and ensure long-term sustainability in the industry.

Cutting-edge Technology

in Waste Recovery & Humidity Control



- Single-window customised solution for textile humidification and waste collection systems.
- Fully automatic system to maintain constant temperature and RH throughout the year.
- Best filtration to maintain clean environment in conformity with all standards of health and dust content in the production area.
- Automatic / semi-automatic waste baling systems.
- Automatic continuous / intermittent waste collection systems with under pressure controls, for cotton / synthetic or for natural fibre, man made fibres and blends.
- System available in civil construction and Prefabricated Housing.



ITMA 2023

8 - 14 June 2023
FIERA MILANO RHO
MILAN, ITALY

Visit us at:

Hall No. : H3

Stall No.: E 213



Batliboi Ltd.
Air Engineering Group

Bharat House, 5th Floor, 104 Bombay Samachar Marg, Fort, Mumbai – 400 001, INDIA.
Phone: +91.22.6637 8200 • E-mail: tae.sales@batliboi.com

International Office: Dubash House, 15 J. N. Heredia Road, Ballard Estate, Mumbai – 400 001, INDIA.
Phone: +91.91676 67713 • E-mail: international@batliboi.com
Web: www.batliboi.com

Stäubli committed to increase weaving mill efficiency with their innovative machinery

Saiful Saad

As Industry 4.0 reimagines smart manufacturing and the demand for sustainable production intensifies businesses need to explore advanced technologies to support this shift and reinvent their future. The world's most established industry exhibition, ITMA 2023 is a platform to source effectively for textile industry with best-in-class solutions.



Figure: SAFIR S60 automatic drawing-in machine - zoom on machine without drawing-in truck featuring Active Warp Control 2.0 technology.

Innovation is a must needed thing in today's textile industrial sector. Also, sustainability is a focus in every corner of the world. Keeping these in mind Stäubli -- a leading company that offers innovative machinery systems and solutions for high quality textile production from weaving preparation, frame and Jacquard weaving, to carpet and technical weaving segments - is going to display its latest solution in the upcoming ITMA 2023. For over 130 years, Stäubli - a leader in design and quality of woven end-products-- has been providing premium quality products and services for sustainable improvements of the industry.

Original spare parts from Stäubli ensure reliability for machines, safety for operator's productivity and weaving quality. Stäubli is going to introduce and exhibit some impressive innovations in ITMA 2023 with core competencies in shedding (cam motions, dobbies, and Jacquard machines) and weaving preparation (drawing-in, leasing, and warp-tying machines).

In the Pre-ITMA conference Fritz Legler, Marketing Officer Stäubli Textile, Stäubli AG said, "Automation is necessary to initiate a valid response to this modern age of textiles. For sustainable processing and manufacturing, we are focusing on weaving efficiency improvement. We are also focusing on 3D weaving system including jacquard machine which produces thick fabric used in aviation, shipping, automotive section, textile etc."

The productivity of weaving mills is significantly influenced by the efficiency of the machinery used. If the machines have the latest innovations or are upgraded models, production will be high and of better quality. In weaving, several processes such as warping, looming and zipping work together to make up the manufacturing process, which is a crucial factor influencing productivity. If such processes can be completed within the right timelines, productivity can increase because every process takes a definite amount of time to manufacture the product. Stäubli solutions can boost their weaving mills performance and overall efficiency. Besides offering a wide range of decisive functional advantages, Stäubli machines promise unsurpassed service life for the process.

SAFIR S60 automatic drawing-in system -- equipped with Active Warp Control 2.0 (AWC 2.0) -- will be presented at ITMA 2023. Its typical applications are blouse or shirting fabrics with sophisticated color patterns, women's and men's outerwear made of the finest worsted wool, and home textiles such as upholstery fabrics or table linens. Even technical textiles such as protective clothing and screen-printing fabrics are among the end products whose quality is enhanced by the drawing-in quality of this system.

Optimal ergonomics, pictograms and context-sensitive assistance messages support operating personnel in handling and programming. The system can be individually configured and forms the heart of the drawing-in department.

The purpose of the Stäubli cutting edge technology is the 100% controlled identification and handling of warp yarns in order to achieve the highest quality and reliability for an efficient downstream weaving process. In its standard version, the SAFIR S60 is equipped with Double End Detection making weavers to benefit from faultlessly drawn in harness.

Stäubli has introduced their latest shed forming solution for frame weaving robustness, reduced maintenance and oil savings with the 1600/1700 series of cam motions and S3000/S3200 series of electronic rotary dobbies. The S1700 series can also be used to produce special heavy fabrics. Both series can be used on air-jet and rapier weaving machines.

Robust monobloc housing Integral automatic shed leveling device (S1692 / S1781 / S1792) can quick change of cams and bevel wheel



Figure: LXXL PRO electronic Jacquard machine available in formats up to 25,600 hooks.

pairs, and precise transmission of movement to the heddle frames. The electronically controlled rotary dobby series S3000 is suitable for producing all types of patterned fabrics. They can be installed either in low or high position on all types of weaving machines (water jet, air jet and rapier weaving machines) and they are equipped with the new maintenance-free harness motion e32/e33 or de82/de83 for high performance.

LX PRO, LXL PRO, LXXL PRO Jacquard machines were featured for energy saving in weaving machines. These machines have already convinced Jacquard weavers around the world who seek top energy efficiency in the production of flat, terry, or OPW (one-piece woven) fabrics. Available in formats ranging from 4,608 hooks (LX PRO) to 25,600 hooks (LXXL PRO), these Jacquard machines feature Stäubli's exclusive NOEMI electronics architecture

and the state-of-the-art MX PRO module. This combination perfectly integrates the constraints of high-speed weaving, temperature, and the significant number of hooks to be lifted.

In Pre-ITMA conference Fritz Legler, Marketing Officer Stäubli Textile, Stäubli AG said, "We believe in sustainability and our machineries and innovations are ensuring sustainability. We are committed to ensure durability, quality and reliability with our machines to the world. We are implementing our research towards power saving and energy efficiency for the sake of green environment."

Stäubli machineries can be a great way ahead for Bangladesh's textile industry. As the country's industry needs effective and efficient weaving machines, so the industry should adapt new integrated machines in weaving sector for better economic viability and sustainability.

Stäubli's technical excellence is the result of a continuous focus on industrial customers. This is all part of one strategic goal: to develop solutions for safer, more efficient and more economical industrial processes. Stäubli constantly offers new and improved high-performance systems and solutions for processing fabrics for fashionwear, home fabrics, carpeting and automotive, protection and medical applications, as well as highly complex technical textiles for future applications.

Groz-Beckert to present product innovations at ITMA 2023

N. Tania

Groz-Beckert will be showing its product innovations and further developments in hall 2, booth D101, at ITMA, the leading international trade fair for textile machinery manufacturing, from June 8-14, 2023.

Groz-Beckert will be represented at ITMA with its six product sectors and will have various innovations in its luggage. The presentations at the booth will be supported by augmented reality applications.

The knitting product sector will be represented at the Groz-Beckert stand with its four product groups: circular knitting, flat knitting, legwear and warp knitting. In the circular knitting segment, for example, two newly developed

knitting systems will be on the show which has been realized in collaboration with machine manufacturers. The developments focus on energy savings, extended cleaning intervals and increased process reliability, the company said in a press release.

The flat knitting group will be presenting a newly developed high-performance needle, which is particularly suitable for the production of technical or medical textiles. For customers in the legwear industry, Groz-Beckert has both further developed sock and fine hosiery needles and system parts in the bag. Thanks to their high resistance, these products help to reduce knitting process costs.

The warp knitting product group will be presenting new needle modules at its booth, as well as the newly developed hole-punching needle for piezo jacquard machines.



Figure: Groz-Beckert to present product innovations at ITMA in Milan. Courtesy: Groz-Beckert

Swiss textile machinery companies focus on wide-ranging environmental priorities

A H Monir

Visitors to ITMA 2023 will see significant innovations from members of the Swiss Textile Machinery Association – with a special focus on solutions for a more sustainable future in the textile industry. Details of planned exhibits reveal how Swiss companies have been acting in specific technology developments, as well as multi-faceted business strategies to meet their own sustainability targets and those of their customers.

Some of these actions go beyond products and applications to take in ‘behind-the-scenes’ measures such as improving internal ecosystems and streamlining manufacturing. Activities covered by the Swiss firms’ technology embrace the concept of safeguarding a ‘livable planet’ for future generations, and this policy starts within the companies themselves, as they commit to careful management of their businesses to protect the environment and conserve global resources. Real outcomes are already being proudly presented as visible progress for the benefit of customers.

Sustainable production

Swiss textile machinery manufacturers apply their innovative power to make production as sustainable as possible – tackling issues such as saving water, chemicals, raw material waste and energy, as well as improving hardware life-cycles. Machine developments empowering more environmental production are continually growing in importance, as producers invest in them enthusiastically.

Sustainable solutions for cotton spinners include mechanical compacting systems by Swinsol. These units need no electricity and are therefore CO₂ neutral in operation. The company also offers recycling of used components. Loepfe provides yarn clearers with latest technologies enabling settings to balance the required yarn quality against contingent productivity losses. The results avoid waste of both yarn and energy. Retech develops solutions to improve the footprint of mills spinning man-made fibres. State-of-the-art heating godets with energy-optimized motor technologies and heating systems enable energy savings of up to 35%.

For Stäubli, sustainable investment also means ensuring its machinery is reliable enough to allow continued production over many years, even under harshest and most demanding conditions. Customers can rely on the firm’s equipment, services and



support for an impressively long life-cycle.

Innovation in change

The idea of a circular economy promises a massive leap forward for global sustainability goals. Using recycled fibres is a good start for the textile industry, and Swinsol systems make it possible to spin 100% recycled fibres – even without adding new fibers due to a high short fibre distribution. Jakob Müller provides technologies in narrow weaving that enables the processing of sustainable yarns and therefore the manufacture of closed-loop products.

Serious rethinking of business models is clearly essential if long-term sustainability goals are to be met. In synthetic spinning, a completely new production line might not be needed when the extrusion process is still working perfectly. But it could well be the drawing and heat treatment system that is limiting the production of the yarns customers demand today – in which case Retech has the answer, with its ability to upgrade or rebuild existing lines, including providing new and energy-optimized drawing systems.

The idea of converting or retrofitting machines and systems often develops in response to changing customer requirements. Specifications in such cases are already well-defined in advance.

Tracking fibres, and many other aspects of traceability, are further topics of innovative developments currently with Swiss textile machinery companies.

Most sustainable solutions show an additional benefit: cost saving. Customers’ investments therefore empower the protection of the environment and prosperous business. Machine manufacturers committing to the various sustainability aspects are actually generating value for customers, organizations, wider society, and the environment.

#PassionateAboutPrecision

groz-beckert.com

EXACT IS EPIC



08 – 14 JUNE 2023
FIERA MILANO RHO
HALL 2, BOOTH D101



KNITTING , WEAVING , FELTING , TUFTING , CARDING , SEWING

GROZ-BECKERT

Forging ahead with innovation

CHTC Fong's sincerely invites global customers to visit us at the ITMA Textile Machinery Exhibition



ITMA 2023, the world's largest international textile machinery exhibition, will be held at the Fiera Milano Rho exhibition centre, Milan, Italy from 8 June to 14 June 2023. CHTC Fong's Group will present the Group's latest dyeing and finishing equipment and intelligent dyeing and finishing solutions at Hall H18, Booth B106 with a total area of 700 m².

With the belief of "Confidence, Synergy, Change, Accomplishment", CHTC Fong's has penetrated into the market to understand the needs of customers and realise the changes in the market development. We will proudly launch the latest research and development achievements at this Exhibition to facilitate the development of the dyeing and finishing industry towards green manufacturing, environmental protection, carbon reduction and pollution reduction! The Group is going to display brands including Fong's, THEN, Goller, Monforts Fong's, Monforts and Xorella, and machines including FONG'S AIMWIN High Temperature Intelligent Package

Dyeing Machine, THEN TSF High Temperature Dyeing Machine, GOLLER OXIDATOR MODUL Washing Unit for Woven & Knitted Fabric, MONFORTS FONG'S MONFONGS 888 TWINAIR and MONFORT Montex®Coat coating unit.

CHTC Fong's Group will introduce our smart manufacturing and green innovation to global visitors, showcasing our latest research and development achievements and design and manufacturing concepts. In addition to physical display of our latest products, we will show CHTC Fong's one-stop dyeing and finishing line at the booth through VR technology, allowing participants to have a comprehensive view of the pre-dyeing, dyeing and post-dyeing finishing of fabrics as well as the automated intelligent equipment of our dyeing plant.

CHTC Fong's welcomes everyone to visit us and explore our one-stop sustainable solutions in green and intelligent dyeing and finishing range!

AIMWIN High Temperature Smart Package Dyeing Machine

Fong's new intelligent AI Package

Dyeing Machine AIMWIN is equipped with the latest technology of CHTC Fong's Group: IFD (Intelligent Fluid Dynamics) system. This system has advanced technologies such as High-Efficiency Control, Health Index, Auto-Pilot, etc., which can bring a totally new technology experience to our customers.

AIMWIN has a wide range of commonality, such as the interchangeable carrier with the company's flagship product ALLWIN. This has a significant effect on improving the dyeing quality, shortening the dyeing process time, and reducing energy consumption. The major advantages are:

1. Apply IFD (Intelligent Fluid Dynamic) control technology to realize AI control, self-learning and autonomous judgment of operation parameters ability.
2. Real-time monitoring of water,



German Engineering
Innovation Since 1948



COLORA
Denim Multi Applications Range

WOVEN COMPLEXA
Continuous Bleaching Range



Make a partner with technology in us

Goller provides unique processing solutions, technician backup, and consultancy to dyeing factories since 1948. The German-engineered continuous wet processing machinery gives reliable and excellent quality fabrics for high-end fashion. The high-automation machines are integrated with an industrial PC control interface and multi-data processing management system, which provides flexibility for Industrial 4.0 development. **Scanning the QR code for Demonstration**



BLEACHINE | OBA | MERCERIZING | DYEING | WASHING - For Woven And Knit Fabric



Agent in Bangladesh:

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



PACIFIC ASSOCIATES LTD.



8-14 June, 2023
Hall 18-Booth B106

electricity, and steam consumption

3. Reduced processing time, electricity, steam consumption and enhance productivity.

4. Enhance dyeing quality.

5. Auto-Pilot realizes auto-guided operation.

6. The mobile phone Apps assists the supervisor of the dyeing factory to remotely oversee the operation status, alarm and monitor the operation of multiple machines.

7. The Health Index of the dyeing machine can improve the success rate of the dyeing and reduce the chance of equipment downtime and maintenance.

8. Simplified piping network and electrical wiring for easy maintenance.

THEN SMARTFLOW

Hydraulic High Temperature Dyeing Machine

With the long experience and expertise of THEN in the range of hydraulic Jet Dyeing machines THEN SMARTFLOW is designed to achieve the lowest possible energy and water consumption rates available on the market for jet dyeing.



THEN SMARTFLOW was launched in 2019 and has since been perfected with significant improvements that are sure to attract interest from our customers and prospective customers.

Characteristics and Features of the machine:

- Programmable variable chamber capacity in terms of weight and fabric
- 20% less floor space/ up to 6 chambers

- Lowest liquor ratio and water consumption in jet-dyeing starting with 1:3,3 depending on fabric and weight

- Smart fabric loading system without loading rope

- Optimized plaiting with circular plaiter

- Round shape nozzles

- Time saving bath preparation unit with various functions:

- Bath preparation/Filling

- Dosing function for dyes and chemicals

- Salt dissolving function

Advantages of the machine:

- The variable chamber capacity allowing extremely flexible processing

- The newly designed nozzles and reel-less fabric transport provide

Even fabric treatment

- Lowest tension due to short distance between package and nozzle

- Up to 30% less power consumption

- automated nozzle gap adjustment



- automated plaiting system

- automated variable chamber adjustment

- versatile rinsing functions for shortest efficient rinsing

GOLLER OXIDATOR MODUL

Goller is committed to continuous research and development of new machines for utility saving and sustainable production in the textile industry. After years of studying the running



behavior of different fabrics during open-width wet processes, the technical design team has been re-engineering all washing compartments since 2016.

The new series “MODUL” uses a modular design that gives high flexibility for interchanging the function of different modular within a washer. Our customers can convert their “MODUL” washer to another version according to the ever-changing new fabrics quality and washing requirement. This extends the life of the machine and increases the value of the machine investment.

Goller launched the “SINTENSA MODUL” drum-type washer and the “EFFECTA MODUL” up-down-roller type washer successively since 2017. These washers were successfully applied in different wet processing machines, which not only improved the washing efficiency, but also solved various problems of fabric running in continuous wet processing equipment.

This year ITMA 2023, Goller will exhibit a new series of “OXIDATOR MODUL” washing compartment, it combines powerful spray washing and up-down rollers washing to achieve an excellent cleaning effect. According to the comparative test, the washing efficiency of this compartment is almost equivalent to two units of 19m cloth content up-down rollers conventional washer.

Major Features:

1. Interchangeable modular design
2. More fabric content than conventional drum washer
3. Multi-power spraying with adjustable angle
4. High circulation of water for

- excellent washing efficiency
- 5. Auto cleaning of squeezer and filter
- 6. Auto tension control
- 7. Suitable for all kinds of woven fabric

MONFONGS 888 TwinAir

Stenter Frame Range

MONFONGS 888 TwinAir (Monfongs new stenter) has been equipped with mechanism of "Thermat"; and the speed of air circulation motor will be reduced once the fabric is unpinned from the inlet track.

- 7. Cable tray and support
- 8. Change nozzle material
- 9. Burner protection cover
- 10. Relocation small electrical cabinet
- 11. Foot platform at outlet zone
- 12. Automatic & energy saving design - Thermat
- 13. Energy saving design
- 14. New machine color
- 15. Connection with customer central control system
- 16. Mobile apps



- Thermat: 1 sensor arranged at the fabric outlet opening of the chamber, reduction of exhaust to avoid excess incoming cold air.
- When the photo-electric sensor at inlet track detects no fabric for a period, the circulation fan and exhaust fan will run at low speed.



Twinair 888 features:

- 1. Qualitex 750 plus
- 2. Transparent lifting door of padder
- 3. Advanced squeezing roller for low pick-up
- 4. Transparent sliding door of operation platform
- 5. To set and display weft correction rollers position on panel
- 6. Photoelectric unpinning protection

The coating sector is a steadily growing segment in the field of textile finishing. As leading manufacturer of textile finishing machines, Monforts is responding to this development with innovative one-stop complete solutions, in particular also in the field of technical textiles. Monforts is offering complete harmonised coating ranges from a single source for more profitability, flexibility and functionality in coating.

The Montex®Coat coating device can be used for single-sided application of finishing agents, such as for outdoor clothing and for functionalization of textiles in the home textiles sector, through to sophisticated lightweight construction using innovative, textile-based coated materials in the automotive and aerospace industries.

Monforts offers a wide range of different doctor blade systems -also in combination- to meet individual requirements:

- Air knife coating
- Roller knife coating
- Foam coating
- Screen printing
- Magnetic roller coating, direct and indirect

Recommended for working widths over 240cm

In addition, Monforts offers the necessary technology with EX-proof ranges for solvent-based coatings and for high-temperature processes up to 320°C, such as for PTFE.



Application

- Overdyeing of Denim
- Double face coating
- Shower curtains
- Awnings
- Tents
- Canvas
- Medical drapes (Plaster)
- Pretreatment for digital printing
- Soil release coating
- Sailing cloth



Figure: Tareq Amin, Founder & CEO, Textile Today with Natascha Meier, Senior Sales Director, Santex Rimer.

Get high-quality knitted fabrics with Santex Rimar's energy-efficient stenter 'Santaframe'

Faujia Mushtari

Switzerland-based Santex Rimer Group is a leading textile company in the area of finishing knitted fabrics made of cotton, cotton blends, and viscose. The company's main objective is to optimize performance while minimizing energy usage to achieve desirable textile properties such as minimal shrinkage, a soft texture, and a shiny appearance. Founded in 1982, Santex provides specialized machinery for treating open-width fabrics and offers several energy-efficient options that contribute to sustainable production practices and reduced carbon dioxide emissions. Renowned fashion houses

worldwide entrust Santex with their textile finishing needs.

During the pre-ITMA conference held in Berne, Switzerland, Natascha Meier, Senior Sales Director of Santex Rimer Group, presented their newest technologies and ideas to Textile

Today. The interview with Natascha Meier covered the company's new product, the SANTAFRAME, and its ability to reduce energy consumption while improving the quality of knitted fabrics.

Santex Rimer's SANTASHRINK relax dryer machine is well-known



KARMAK

Sustainable Solutions For Garments Industry

Local Representative in Bangladesh:



TEX CORP (BD) LTD.

House # 23, Road # 9/B, Nikunja-1, Dhaka
Call: +80 01726 777 147, +8802 410 403 04
E-mail: tawfiq.bd1@gmail.com
Web: www.texcorpbd.co

**KAR-MAK KARADENIZ MAKINA
SAN. VE TIC. LTD. STI.**

IOSB Mah. Eski Turgut Ozal Cd.
Altintac Is Merkezi No:8 Istanbul / TURKEY
E-mail: export@kar-mak.com.tr
Web: www.kar-mak.com.tr



ITMA 2023

**08 — 14
JUNE 2023**

**FIERA MILANO RHO
MILAN . ITALY
www.itma.com**

**HALL H11
STAND E309**

SINCE 1987

**55TH
ANNIVERSARY**

ECO TUMBLER DRYER MACHINE



in the market for its high production capacity, with good shrinkage results.

At the ITMA, Santex Rimer will introduce their innovative stenter frame SANTAFRAME, which uses a novel airflow technique that enables the company to control heat distribution, thereby reducing energy consumption. The heating system is located above the fabric track in the upper part of the 2m long treatment zone. Circulating air fan draws the air from the nozzle and treatment zone through the filter panels and directs it along a short path to the heat exchanger, from where it is fed into the nozzles.

A regulating flap in front of the nozzle boxes allows the top and bottom airflow to be continuously adjusted. The arrangement of the heat source on the pressure side of the circulating air fan allows for

a high air circulation speed and hence a higher drying capacity. Prior to the last treatment chamber, the fabric passes through a steam and vibration section, which enhances the fabric volume and soft fleecy handle.

The SANTAFRAME eliminates the traditional exhaust tower and allows for up to 30% reduction in gas consumption, thermo oil consumption, and energy costs. Santex Rimer offers three pre-meeting media options: gas, thermo oil, and steam heating.

The SANTAFRAME is used for the shrinkage, relaxation, and tensionless drying of tubular or open-width knitted fabrics. The fabric guidance, whether single, double, or multiple strands, is effected at one treatment level. The machine has a wide variety of versions, with the length of the stenter frame or number of

chambers chosen according to the required drying and/or heat setting/curing capacity.

Natascha Meier emphasized the need for customers to visit their booth at the ITMA to see the SANTAFRAME and understand the concept the company has in mind. The company has a good sales team of resources to help customers in the decision-making process.

In conclusion, Santex Rimer Group's SANTAFRAME is a significant innovation that will improve the quality of knitted fabrics while reducing energy consumption and costs. The company's commitment to sustainable production practices and reduced carbon dioxide emissions is commendable, and it is no wonder that renowned fashion houses worldwide entrust Santex with their textile finishing needs.

Sedo Engineering to exhibit SMART-INDIGO™ technology at ITMA

R Hossain

Sedo Engineering will be exhibiting SMART-INDIGO™ technology at ITMA in hall 11, stand 305, presenting its fully integrated automation concept. SMART-INDIGO™ is helping denim brands stand out in a market that is increasingly going green. Jeans and denim products are a huge market and all stakeholders involved can profit from this groundbreaking innovation: Denim brands, textile factories and consumers.

“We've combined economy and ecology in one groundbreaking innovation,” says Werner Volkaert, Managing Director of Sedo Engineering.

“Denim brands and textile factories can move towards this

sustainable production structure easily and with more benefits at a lower cost. It is a win-win solution for our clients, their employees, and consumers.”

Using electricity instead of toxic chemicals to dissolve indigo dyes can not only make a big environmental and economic leap, but also reduce water consumption by 70 percent, for example by eliminating the need to dilute wastewater, the company said in a press release.

To date, more than 20 SMART-INDIGO™ machines are already installed at leading denim producers, helping them to achieve cleaner production. Some of them have already ordered the second or third machines,



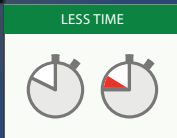
Figure: Sedo Engineering will be exhibiting SMART-INDIGO™ technology at ITMA. Courtesy: Sedo Engineering

seeing the success of their new installation. Also, they are happy with the intensity of shading and their economic payback. SMART-INDIGO™ technology is bluesign® approved system partner and ZDHC level 3 certified.

NEW INNOVATION FOR YOUR TOTAL TEXTILES WASHING & SEWING SOLUTION



**VERTICAL
HYDROEXTRACTOR
FOR WASHING**



MADE IN ITALY
99%
Steam boilers PB EU Series



REPRESENTING OUR
**INNOVATIVE
PARTNERS**



COMPACT
DESIGN



HIGH
PRODUCTIVITY



Mold Prevention Machine



Morgan Tecnica

NEXT 2 Δ
PRO 78 Denim



Automatic cutter



Eastman Technocrafts Ltd

A TOTAL APPAREL SOLUTION COMPANY

Dhaka Office:
City Center (11th floor), Suite #10/A-1, 90/1,
Motijheel C/A, Dhaka-1000, Bangladesh
Tel: +880-2-9574049, 9586426, 47118327
Fax: +880-2-9553664

Chittagong Office:
Mir Mahub Mansion (01st floor), 304,
sk. Mujib Road, Dewanhat, Chittagong
Tel: +880-31-727185
Telefax: +880-31-727185

Success Story of Rabatex - India

Rabatex Story

RABATEX INDUSTRIES - INDIA (Since 1962) have been an indispensable part of the fabric industry the world over with new technological evolutions equivalent to any global know-how in warp preparation machinery, fabric sampling machines, material handling and storage equipment for more than 6 decades. Thus, the vacuum which the Indian fabric industry has been subjected to once could be eliminated by advanced technological import substitute machinery.



Rabatex experts have been interacting with the technical experts in the textile industry across the world over their actual requirements with respect to value for investment as well as product output expectations. With patience and creation ability, Rabatex Team has made a detailed analysis of the future demand and customer expectations as well as the global opportunity for the Indian Textile Fabric Manufacturing Industry. Rabatex decided to help the Indian textile industry in exploring opportunities in displaying its creativity and value-addition capabilities. Rabatex is a pioneer in manufacturing state of art Warp Preparatory Machinery / Fabric Sampling Solutions / Material Handling and Storage Equipment / ASRS (Vertical Lift Module) and enjoys a major market share in India as well as global markets in more than 36 countries across the globe. Key markets in which Rabatex witnessed higher growth include the USA, Canada, Turkey, Russia, South Africa, Indonesia, Bangladesh, Ukraine and Indonesia, etc.

Customer satisfaction is always at our core for us and our products & services are built around this core. We always look forward to staying abreast in technology for delivering quality performance to our customers. Maintaining the leadership position in all the markets is our key objective, Rabatex would continue to strive for being a leading global player and capture a considerable share in all textile-producing countries.

Rabatex Industries is the largest supplier of weaving preparation products manufactured in India. There are already about 3200 Nos. of Sectional Warpers & Fabric Sampling Machines & about 5600 Material Handling and storage equipment working across the world. More details about products can be viewed on www.rabatex.com

Rabatex's newly launched products developed for fabric sampling solutions are installed globally including USA, Turkey, Indonesia and some in India at Nandan (Chiripal Group), Shahi Exports, Saam Textiles, Nitin Spinners, Sangam Group, Kanchan Group, Rajapalayam Mills, Birla Century and many more.

A textile sample is a piece of cloth or fabric designed to represent a larger whole fabric. A small sample, usually taken from existing fabric, is called a swatch, whilst a larger sample, made as a trial to test print production methods, is called a strike-off. For plain-dyed fabrics, it is called a lab-dip, and for yarn-dyed fabrics (like stripes and checks), it is called a handloom sample.

The use of swatches has formed an essential part of the design process of textiles throughout different cultures across history. Samples enable designers to display different types of fabric, demonstrating how different colors, materials, trims and methods of weaving will look in real terms—something that may not be readily apparent from a paper of digital design—before the entire fabric is manufactured.

A textile manufacturer may bring together several swatches of materials into a single sample book, which may serve to enable a salesperson to display a wide selection of fabrics to potential customers in a convenient manner. A textile swatch book may also serve as an internal reference for materials that have been made previously and could be manufactured again.

A new trend in the fashion industry is that brand promoters or designers need to feel the fabric as an actual garment as well as to test the market with a small quantity of garment, where Advanced Sample warper makes the major roll to prepare a short length actual warp with a minimum quantity of warp yarn with unlimited design or pattern possibility. This process improves the highest success ratio of any new product promotion effectively with actual test market results. Apart from this, the customization of the fabric need is increasing day by day where the user needs to have a specific design or pattern of fabric, which can be fulfilled with the use of this technology.

Advertorial

RABATEX Industries has been an indispensable part of the fabric industry the world over with new technological evolutions equivalent to any global know-how in warp preparation machinery, fabric sampling machinery and material handling and storage equipment for more than 6 decades. Thus, the vacuum which the Indian fabric industry has been subjected to once could be eliminated by advanced technological import substitute machinery.

Rabatex experts have been interacting with the technical experts in the textile industry across the world about their actual requirements with respect to value for investment as well as product output expectation in the quickest fabric sampling solution. With patience and creation ability, Rabatex Team has made an analysis of the need of the future demand and customer expectations as well as the global opportunity of the Indian Textile Fabric Manufacturing Industry.

RABATEX has now come out with a complete range of Fabric Sampling Solutions like Small Width Fabric Weaving Machine, Small Width Single End Warper, Cone to cone sizing and Advanced Sample Warper for short length preparation which has its unique features to submit. Of course, the added advantages or special features which every RABATEX brand products always carry have been fed into this new launch also. More than 6 decades of tradition inspire them to come out with something new every time for their patrons.

Fabric Sampling Weaving Machine (Small Width)



Sample Weaving Machine technical specifications: Working Width - 20" (50CM/500mm)/Maximum Fabric Sampling length - 30 Meter/No of Weft Selector - 8/No. of Shaft - 20/Auto Weft Selector/Close Loop Control for Speed and Tension/Fully PLC Controlled

Single End Sample Warper (Small Width)



Small width sample warper technical specifications: Working Width - 20" (50CM/500mm)/Maximum Fabric Sampling length - 30 Meter/No of Weft Selector - 8/Leasing Operation - Automatic/Thread Selection - Automatic/Pattern Entry - Infinite/Fully PLC Controlled

Cone to Cone Single End Sizing Machine



Single end cone to cone sizing machine technical specifications: Heating Type - Electrical/No of Spindles - 1 or 4 or 8/Maximum Speed MPM - 250 MPM/Length Set Control - Yes/Temperature Control - Yes/Speed Control - Yes/Spindle Control - Individual

Advanced Sample Warper with 16 Feeder Rotary Creel



Advanced Full Width Sample Warper Machine Technical specifications: Maximum Possible Length - 500 Meter (700 Meter on Request)/Maximum Warp Feeder - 16/Maximum Warming Speed - 1000MPM/Maximum Beaming Speed - 50MPM/Cross Lease Automatic - Yes/Knot Lease Automatic - Yes/7 Lease Automatic - Yes (Optional)/Pattern Optimizing Software - Yes

Advanced Sectional Warper



Advanced Sectional Warper Machine Technical specifications: Working Width - 1800 to 5000mm/Maximum Flange Dia - 800 to 1250mm/Maximum Warming Speed - 1000 MPM/Maximum Beaming Speed: 200MPM/Auto Beaming Tension Control/Auto Warming & Beaming Line Speed Control/PLC Controlled Leasing Device/3 Axis Servo Control/Laser Sensor for Warp Density Calculation and feed/Maximum Beaming Tension - 7500N to 40000N/15" 2 HMI on Both Side



Benninger to showcase advanced technologies in ITMA 2023

Saiful Saad

Switzerland's textile machine manufacturer Benninger is set to present its latest technologies at ITMA Milan 2023 from June 8-14, 2023. Specializing in continuous wet processing and jet dyeing, the company will display its products at booth A201 in Hall 18 at Fiera Milano Rho exhibition centre in Milan, Italy.

Benninger has cordially initiated an approach towards 'Decarbonizing Textile' in the Pre-ITMA conference this year. They have brought complete transformational technology in continuous wet processing, discontinuous dyeing, woven fabrics and knitwear, singeing machine process improvements that dominate the sustainable field overall. Benninger is focusing on slogan of 'Road to net Zero' in continuous wet processing and jet dyeing technology.

The company will showcase the Fabricmaster, chemical dispensing system (CDS), Benninger-Kusters cold pad batch (CPB) dyeing station, and SingeRay at the ITMA 2023 exhibition.



Figure 1: FABRICMASTER machine guarantees unmatched water consumption in the most cost effective way.

In Pre-ITMA conference Rolf Erik Scholer, Global Head of Sales and Marketing, Benninger AG said in his speech, "The entire fashion industry is contributing on average of 10% total wastage on the environment in the supply chain globally. Textile industry is one of the largest supply chains of the world. We need reliable material, processing and responsible process for the sustainable future ahead."

Benninger is also continuously taking innovations in wet finishing processes, continuous open-width treatment of woven and knitted fabrics, technical textiles as well as jet dyeing machines, jiggers along with the complete and integrated dye house supply systems such as liquid dispensing, salt and soda ash distributing systems as well as dye staff distribution systems. Their systems include caustic soda recovery plants and waste-water heat recovery systems.

Rolf Erik Scholer further addressed in his speech that "For making our planet livable, we need to ensure replacing outdated machinery with more efficient and optimized process sequence. Modern machineries should be focused with less energy and chemical usage to make the world greener. We are proud to say that our company's machineries will certainly create a radical change."

'FABRICMASTER' is a reliable system invented by Benninger, revolutionizing and setting benchmarks for the industry. This new Benninger jet dyeing machine is equipped with unmatched water consumption figures. It is the most sustainable way of discontinuous dyeing today with fast, cost effective process and on the road to zero footprints. The fabricmaster can process wide range of fabric dyeing at lowest cost possible with an unmatched water consumption level.



Figure 2: The new Benninger-Kusters CPB dyeing station for knitwear, the only salt-free cold dyeing process.



中国国际纺织机械展览会
暨ITMA亚洲展览会
ITMA ASIA + CITME 2022

ASIA'S LEADING BUSINESS PLATFORM FOR TEXTILE MACHINERY

19 - 23 November 2023

National Exhibition and Convention Center
Shanghai, China

www.itmaasia.com | www.citme.com.cn

Join leading textile machinery manufacturers and build quality connections with buyers exploring advanced manufacturing technologies.

Apply for space now!

www.itmaasia.com
www.citme.com.cn



For more information, please contact

ITMA Services

Tel: +65 6849 9368

Email: itmaasiacitme@itma.com

**Beijing Textile Machinery International
Exhibition Co., Ltd (BJITME)**

Tel: +86 10 5822 2655/5822 2955/5822 0766

Email: itmaasiacitme2@bjitme.com

Owners



Organiser

Co-Organiser

In Partnership With





Figure 3: The new Benninger singeing machine, SingeRay, ensures perfect singeing effects, cost efficiency and uniform quality.

CPB dyeing is an economical process of dyeing that is creating a sustainable approach in the industry. Salt-free dyeing without the use of energy is only possible using the cold pad batch (CPB) dyeing process. This process is also becoming increasingly popular in tropical and subtropical regions, which is reason enough for Benninger to adapt the CPB systems even more effectively to the climatic conditions.

'BENNINGER KÜSTERS DYPAD' is the machine to be presented at the ITMA with the original S-roller

technology. This process works synonymous with an even dye result in the entire fabric width. This process is entirely salt free-cold dyeing process.

The new machinery 'SingeRay' ensures perfect singeing effects, cost efficiency and uniform quality. This machine can impact on gas saving conditions. The '100% made in Germany' singeing machine is equipped with 2 burners and a double nozzle strip. The silicon carbide burning chambers ensure complete combustion, and a constant burner temperature up to 4 channels. Low gas consumption and a perfect flame is the reason of increase in the scope of fibers and blends in this fabulous machine.

Benninger has acquired a leadership position in their innovative technologies and sustainable focus in machinery and parts. Their brand value and initiatives are a game changing strategy that is aiming to create a radical change in the sustainable future. Asia region particularly Bangladeshi manufacturers, can greatly benefit from using Benninger machines in their factories. Our factories are suffering from water consumption waste, dyeing sustainability challenge etc. for many years. Benninger can be the next door to be unlocked for Bangladeshi manufacturers to become commercially sustainable.

Artificial Intelligence in Fabric Inspection

New Uster Fabriq Assistant automates data preparation to guide key decision-making

Hassan Miah

Uster will introduce the latest product for fabric inspection at ITMA 2023. The Uster Fabriq Assistant is a central platform for automated processing, analyzing, and visualizing quality data from Uster fabric inspection systems. Comprehensive data, interpreted reliably, let fabric producers focus on their core tasks to drive operational excellence.



Figure: Uster Fabriq Assistant - efficient decision-making based on data-driven insights

What are the real advantages created by Uster Fabric Inspection systems? Experts at Uster want users to experience the full power of the data being gathered. That's why they developed Fabriq Assistant - one data platform, as a central quality

hub for all stakeholders in the mill.

The new Uster Fabriq Assistant eliminates manual data processing and speeds up decision processes significantly. Fabric manufacturers can release their products for delivery automatically based on their specific business rules without any human in the loop, which eliminates bottlenecks and increases productivity.

The application is a web-based tool with individual user accounts and specific dashboards. Fabriq Assistant shows a summary of quality performance from all the fabric rolls ever inspected in the mill. Information is presented - and easy to be shared with other users - as a variety of statistical analysis tools, with results in different charts, histograms or evolution trends.

This depth of analysis goes way beyond what previously could only be done manually in MS Excel! Automated data collection, visualization and analysis, as well as data processing and reporting functions, are viewed on the central data platform. It works like an expert assistant, offering the relevant quality data during and after inspection. If the user is searching for information on a specific roll, for example, just a few clicks will bring up the review dashboard. Here, all the details for that single roll are available - including defect images, defect map and list and roll statistics.

LESS WATER FOR A GREATER SUSTAINABILITY



Dyeing machines
since 1968



ITMA 2023

FLAINOX S.r.l.

Via G. Leopardi, 5 13854
Quaregna Cerreto (BIELLA) - Italy

Phone +39 015 98 06 80
www.flainox.com - info@flainox.com

08 — 14
JUNE 2023

FIERA MILANO RHO
MILAN . ITALY
www.itma.com

HALL H11
STAND D104

Local Agent in Bangladesh:

 **TEX CORP (BD) LTD.**

House # 23, Road # 9/B, Nikunja-1, Dhaka
Call: +80 01726 777 147, +8802 410 403 04

E-mail: tawfiq.bd@gmail.com
texcorp@banglanet.bd

Web: www.texcorpbd.co

Trützschler to introduce latest technologies at ITMA 2023

Sayed Abdullah

Trützschler will be attending ITMA in Milan from June 8-14, 2023 at Milan, Italy. Where Trützschler will introduce the latest machines and technologies from the entire Trützschler Group – including spinning, card clothing, nonwovens and manmade fibers.

Trützschler Spinning will showcase innovations for carding, draw frame and combing which meet



Figure: Trützschler will introduce the latest machines and technologies from the entire Trützschler Group – including spinning, card clothing, nonwovens and manmade fibers. Courtesy: Trützschler

the most important customer requirements in fiber processing: higher efficiency, more sustainable raw material utilization and intelligent automation – while also displaying the potential of digital technologies for spinning mills. Visitors can also look forward to the introduction of the new brand Truecycled for textile recycling. Their machinery expertise and technological know-how enable customers to produce silver with the highest possible level of quality and make it possible to turn waste into value, the company said in a press release.

Trützschler Card Clothing (TCC) will present a wide range of technologies from its clothing portfolio, which covers the complete spectrum of applications in the spinning and nonwoven markets. This includes all of the service features and machinery

equipment that are supported, which will be demonstrated live at the booth as part of an ‘Action Point’ presentation. TCC is also focusing on recycling applications and will showcase its contribution to sustainability in the textile industry. These features and functions are all supplemented by ‘My Wires’, a digital wire performance solution that is integrated into the Trützschler digital platform.

Trützschler Nonwovens will focus on solutions that take nonwoven production processes to a new level. The story of innovations for needle-punching will be told at two booths: Trützschler is going to concentrate on the holistic T-Suprema package of excellent machinery, tailor-made production lines, integrated digital support and global service.

Savio to showcase new generation textile machines at ITMA 2023

Hassan Miah

Italy-based textile machinery manufacturer Savio will present its latest automatic winder Proxima Smartconer and air-jet spinning machine Lybra Smartspinner at the ITMA 2023 exhibition, taking place in Milan, Italy from June 8-14, 2023. These two machines are the result of the commitment of Savio R&D team in the last four years.

Proxima Smartconer has been designed with the foremost attention to the customer’s needs in the optimal utilization of a winding machine. The high-tech winding machine is capable of perfectly adapting to the demands of connectivity, industry 4.0, and the industrial Internet of Things (IoT). It offers high productivity, low energy consumption, premium yarn quality, automation, and data connectivity, Savio said in a press note.

Savio’s new air-jet spinning machine Lybra Smartspinner has been developed with an original

spinning technology to serve customers in specific applications of textile production—knitting, home textiles, and sunshades. Air-jet spun yarn has a soft and smooth feel, perfectly adaptable to create functional and fashionable fabrics. Air-jet spinning offers yarn manufacturers the opportunity to produce yarn at high production rates and low processing costs.

One important technology of the Lybra Smartspinner is the Multi Blend System. This onboarding system allows to use two separate slivers, instead of a pre-blended one, directly fed into the spinning unit; inside the spinning chamber, the fibers are mixed together producing a final yarn of the same aspect and features as the standard one. Moreover, the system can modify the composition of the blend directly from the machine PC, without changing the feeding slivers. This



Figure: Savio is launching the newest SAVIO automatic winder Proxima Smartconer®. Courtesy: Savio

allows a reduction in production costs and an optimization of the preparation lines. So, customers can obtain not just different material blends but also different color mixtures. This application will be highly appreciated especially for knitting and home textile applications, producing melange knits and fabrics.

The team at Savio is steadfast in providing textile solutions for spinning business growth with unsurpassed customer service, response time, and technical expertise.

Loepfe to present sensor technology at ITMA 2023 in Milan

Yeasin Miah



Figure: Loepfe will showcase its market-leading YarnMaster Prisma. Courtesy: Loepfe

Loepfe, a leading company in sensor technology for the textile industry, is set to showcase its innovative solutions at the upcoming ITMA 2023 exhibition in Milan, which will be held from June 8 to 14. The company is taking a new approach to the exhibition by inviting visitors to witness firsthand the advantages of its cutting-edge sensor technology.

The company will demonstrate how its sensors keep yarn producers ahead of the competition by showcasing the impressive achievements of Loepfe users in the Textile Corner. Loepfe's specialists will also present how unique sensor technologies detect the smallest deviation in yarns, while clever software evaluates the signals to maximize quality and machine efficiency.

Visitors will have the opportunity to engage in exciting discussions with Loepfe specialists and access field study results and fabric examples. Loepfe's solutions are designed to help producers achieve quality yarns at maximum machine efficiency. With the market's most advanced yarn monitoring systems, producers can reduce costs and waste, increase efficiency, and enjoy ease of use, the company said in a press release.

Loepfe will showcase its market-leading YarnMaster Prisma and YarnMaster Zenit+ technologies. A special highlight at ITMA 2023 will be the newly launched Prisma Autoclearing functions, which provide the perfect solution for ease of use in yarn clearing.

Visitors will also be able to test the full range of functions of the associated MillMaster Top data system, including trend analysis, planning boards for winding machine scheduling, clearer assistant for cut forecasts, and more.

YarnMaster® PRISMA CLEVER YARN CLEARING



Profitable



Efficient



Easy



VISIT US AT :

 08 — 14
JUNE 2023
FIERA MILANO RHO
MILAN, ITALY
www.itma.com

Hall 3 / Booth B205



Turkish textile industry to expand business in Latin America

N. Tania

Turkish textile companies seeking to widen their global outreach are exploring opportunities in Cuba and the Dominican Republic.

A delegation from the Istanbul Textile and Apparel Exporter Association (İTKİB) recently visited those countries to hold talks with high-level government officials.

Cuban President Miguel Diaz-Canel Bermudez received Ahmet Öksüz, the head of İTKİB and the board members of the association.

The İTKİB delegation also held meetings with officials from the Cuban Foreign Trade and Foreign Investment Ministry, the Industry Ministry and Tourism Ministry.

In the Dominican Republic, the Turkish businesspeople met with the country's trade minister.

Öksüz said, "We held a series of very productive meetings in Cuba and the Dominican Republic to boost bilateral trade ties."

"We are planning to organize missions such as procurement and trade delegations to turn our recent visits to those countries into trade deals, and inviting the representatives of the textile industry in Cuba and the Dominican Republic to the trade fairs in Türkiye" he added.

He recalled the Turkish textile industry's export revenues amounted to \$12.9 billion last year.

We will focus on distant markets which offer opportunities," Öksüz added.

The combined worth of the annual production by the Turkish textile and apparel sectors is around \$80 billion, Öksüz also said.

Meanwhile, the Turkish leather apparel industry is optimistic about a rebound in foreign demand for its products after having seen strong attendance at the trade show held in the province of Antalya.

Companies operating in the industry have been concerned about the prospects in the wake of the war that broke out between Ukraine and Russia, the sector's main export market.

For boosting hopes among Turkish companies, more than 1,300 exhibitors from nearly 20 countries attended the Antalya Leather and Fur Fashion Show.

Despite the ongoing war, a large number of Russian companies attended the event. "We are expecting to have a large trade volume with Russia now," said Gürkan Gözmen, the head of the Leather Garment Manufacturers' Association of Türkiye (TFKD).

Russia and Ukraine account for 70 percent of the sector's exports, Gözmen said.

Last year, leather apparel exports amounted to \$236 million, while leather and leather product shipments to foreign markets grew 10 percent in the first four months of 2023.

Though the sector suffered from the COVID-19 pandemic, is recovering slowly, however, warning that higher raw material and labor costs may cause problems for local companies.

ITM

2024

İ S T A N B U L
INTERNATIONAL TEXTILE
MACHINERY EXHIBITION

4-8 JUNE 2024

DISCOVER
THE FUTURE

CHT's commitment to textile circular economy

CHT Story

For us, sustainability is not only a trend. It is one of our most important core values and goes alongside the innovative strength of CHT. It defines our daily work as well as our strategic focus. The CHT Group has great experience and a deep knowledge of all processes along the complete textile value chain.

As an innovative partner of the textile industry, we are working continuously on the ideas and solutions of tomorrow, especially solutions for a beneficial environmental impact. Waste presents problems all along the fashion supply chain.



Ensuring long term sustainable prosperity which is in alignment with the United Nations' Sustainable Development Goals (UNSDG) we believe that circular economy is the future and the right way to go.

Circular economy is a system that minimizes the input of resources and the output of emissions and waste. It transforms our take-make-waste linear economy to a close-loop system to keep products in use for longer and make them to fuel for another process – either as a by-product or a newly extracted resource. This means that everything starts with the design of the product, having the garments' end-of-life in mind.

Circular economy is a major topic, also for CHT. The transition from linear to circular concepts requires a joint effort and rethinking. Therefore, our scientists and technical application and product safety experts are working closely with customers and brands to

reach the common goals and accelerate innovation.

About the CHT Group

The CHT Group is a medium-sized global player for specialty chemicals and active worldwide in development, production and sales. CHT Germany GmbH in Tübingen is the headquarters of the group of companies which focuses on sustainable chemical products and process solutions.

TEXTILE SOLUTIONS of CHT improve the quality, functionality as well as look and purity of textiles and optimize their manufacturing processes. In the fields of silicones, building materials, paints, coatings, leather, release agents, paper, agrochemicals, mining as well as cleaning and care products innovative products and process solutions are provided by INDUSTRY SOLUTIONS. By combining the strengths of the complete group further innovative products, applications or processes are continually developed and vast technical support is offered within the SCIENCE & SERVICE SOLUTIONS.

Highly qualified specialists work in state-of-the-art laboratories for development, analytics and application technique in order to work out ideas and solutions that meet the latest requirements.

The CHT Group with its own production and sales locations is represented by more than 26 companies worldwide. In the financial year 2022, the CHT Group generated a group turnover of 705 million Euro with around 2,400 employees. In 2023, CHT celebrates its seventieth anniversary.

Let's celebrate seventy years of Smart Chemistry with Character! For more information, please visit www.cht.com





3 Comprehensive Int'l Exhibitions Serving the entire Textile & Garment Industry of Bangladesh for the last 22 years

13-16 September, 2023

📍 Bangabandhu Bangladesh-China Friendship Exhibition Center (BBCFEC) Purbachal, Near Kanchan Bridge

📞 **HOTLINE**

+88 01817 044807

contact@cemsonline.com



Bangladesh's Biggest & Oldest International Exhibition on Textile Apparel Technology & Machinery

www.cems-textech.com

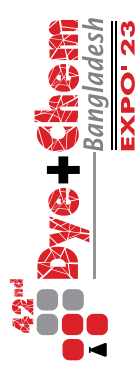
Scan QR Code



Featuring Int'l Yarn, Fabric, Trims & Accessories Manufacturers & Suppliers

www.cems-yarnandfabric.com

Scan QR Code



An Exclusive & Only International Exhibition of Bangladesh on All Kinds of Dyestuffs And Fine & Speciality Chemicals

www.cems-dyechem.com

Scan QR Code



Host Country Partner



Digital Sourcing Partner



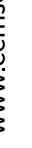
Magazine Partners



Media Partner



Follow us on



CEMS-Global

www.cemsonline.com



Shima Seiki to exhibit at ITMA 2023

Imran Shikder

Globally leading flat knitting technology company Shima Seiki will showcase new developments in the International Textile Machinery Association exhibition (ITMA 2023) in Milan, Italy.

Shima Seiki has constantly maintained remarkable showcases at ITMA, showing something new and exciting at every edition under its guiding philosophy: "Ever Onward."



Figure: Shima Seiki exhibition concept for ITMA 2023: "Reborn."

In ITMA 2023, this tradition not only remains intact but recalls ITMAs of the past through a brand-new lineup mostly consisting of new machines and next-generation prototypes.

Held every four years in Europe, ITMA is known as "the Olympics of textile machinery" and sets the stage for presenting the latest technology to the textile industry. Due to exhibition rules, there was a time when visiting ITMA meant customers could expect to see brand-new machines exhibited for the first time.

Since the 1990's however, that regulation has become relaxed, and more recently, the kind of excitement expected from manufacturers showing first-time technology seemed like a thing of the past.

The next-generation group of machines is

represented by the letter 'R,' first used in the SWG-XR WHOLEGARMENT knitting machine launched last year in time for the Shima Seiki 60th anniversary event.

The SWG-XR name is based on the original SWG-X four-needle bed WHOLEGARMENT knitting machine which debuted at the Milan ITMA in 1995. As ITMA returns to Milan, SWG-XR refers to its origin as a pioneering invention that launched a new genre of seam-free knits produced in one entire piece.

At the same time, it represents a renewal of Shima Seiki's commitment to its customers, the industry and the environment, as all aspects of the machine were re-evaluated in terms of its purpose, the way it is manufactured, how it is used and how it impacts the environment. The same renewal has been applied to the rest of the company's product lineup, and it is this renewal that becomes the core of Shima Seiki exhibition concept for ITMA 2023: "Reborn."

Of the 9 knitting machines Shima Seiki is exhibiting at its 600 sq. meter booth located at Hall 4, Stand D209, 8 machines will be part of the next-generation lineup, ranging from WHOLEGARMENT knitting machines and computerized flat knitting machines to glove knitting machines. More than 300 items will be on display as proposals for knitted applications in various fields ranging from fashion, sports, shoes, bags and accessories to medical, safety, automotive, aeronautical and other wearable and industrial textile applications, the company said in a press release.

In addition to machine technology, Shima Seiki's SDS-ONE APEX series computer graphic design system and software will be shown with their latest software upgrades that feature significant improvements in knit programming, 3D functions and speed. Demonstrations will be available for a comprehensive fashion tech solutions package based on realistic virtual sampling and supported by various digital solutions and web services.

With a comprehensive display of its latest products and services, Shima Seiki technology at ITMA 2023 will demonstrate smart, speedy and sustainable production that further secures its leading role as flat knitting solutions provider.



Innovation in Textile Chemicals

Auxiliary Chemical for Textile Washing Factories

Lycra Protector	Catalyst
Micro Silicone Softener	Stain/ Oil Removing Agent
Macro Silicone Softener	Soda Ash Substitute
Cationic Softener	Washing off Agent
Liquid Softener	Formaldehyde Eliminating Agent
Bio Polish Enzyme	Anti ozone Softener
Neutral/ SL Enzyme	Anti-Back Staining Agent
Stone Free Enzyme	Anti-Crease Lubricant
Green Acid	Wicking Finisher
Fixing Agent	Anti-Foaming Agent
Wet Rubbing Fastness Improver	Color Deeping Agent

Auxiliary Chemical for Textile Dyeing & Printing Factories

Multifunctional Scouring Agent	Washing Off Agent
Detergent & Wetting Agent	Binder
Core Alkali Neutralizer/Green Acid	Thickener
Sequestering Agent	White Paste
Peroxide Stabilizer	Fixing Agent for Pigment Print
Hydrogen Peroxide Killer	Cationic Softener
Anti-crease Lubricant	Non-ionic Softener
Levelling Agent	Hydrophilic Silicone Softener
Dispersing Agent	Micro Silicone Softener
Dye Fixing Agent	Antistatic Agent
Soda Ash Substitute	Liquid Softener

Chemical For PET Flake Washing & Recycle Polyester Fiber Manufacturing Factories

Caustic Soda
Washing Off Agent
Anti-Static Agent
Raising Oil
Silicone Oil
Hydrophilic Silicone Softener

Special Auxiliary Series

Anti-Microbial Agent
Anti-Pilling Agent
Anti-Phenolic Yellowing Agent
Sunlight Fastness Improver
Water and Oil Repellents Agent
Yarn Lubricants
Anti-Static Agent
Cross Linking Agent

Our Goal is to Establish Ourselves As a Name of Trust And Friendship To Our Customers and Suppliers

Certifications



TexChem Traders

108, Krishnachura Commercial Complex (1st floor)
24-BC, Shahid Minar Road, Kallyanpur, Dhaka- 1207
Tel: +88 02-58052074; Mob: +880 1735 221962.
E-mail: info@texchemtraders.com
www.texchemtraders.com

OUR PRINCIPLE



NENO BIOTECH (THAILAND) CO., LTD.
Head Office: 99/167 M.4, Samut Prakan, Thailand.
Phone: + 6621 307 918, E-mail: info@nbtthai.com



Luwa to showcase innovations at ITMA 2023

Rahbar Hossain

Luwa, a part of Nederman Group, will showcase its new products and innovations at ITMA 2023 in Milan, Italy.

Textile machinery manufacturer Luwa, which is part of Sweden-based Nederman Group, will be taking part in ITMA 2023 at Fiera Milano Rho in Milan, Italy from June 8-14, 2023. The company recently participated in the Swissmem pre-ITMA 2023 press conference in Bern, Switzerland.

Luwa will put up a pizzaz-style stall in booth H3-D201 at ITMA 2023 where it will reveal its new product innovations and invite visitors for discussions. The main themes that will be explored by the company at the event are sustainability, process efficiency, energy savings, and connectivity, the company said in its presentation at the pre-ITMA conference.

Acquired by Nederman in 2018, Luwa, which is headquartered in Switzerland, has agents in over 50



Figure: Luwa will put up a pizzaz-style stall in booth H3-D201 at ITMA 2023 where it will reveal its new product innovations and invite visitors for discussions. Courtesy: Luwa

countries. Luwa is involved in textile air engineering, process air conditioning, industrial air engineering, dust and fiber extraction and filtration, and energy monitoring.

DyStar to display innovative products at ITMA 2023

Umeduzzaman Khan Uccas

DyStar - Singapore based leading specialty chemical company - will be exhibiting and presenting its innovative products at ITMA exhibition. ITMA is the world's leading international textile and garment technology exhibition, taking place in Milan, Italy, from June 8-14, 2023.

The company stated in a press release that its booth at the event is situated in Hall 5, at Stand H5-B201.

Eric Hopmann, Chief Commercial Officer, DyStar Group said, "It is great that members of the global supply chain can finally meet to exchange ideas at ITMA post-pandemic. The energy crisis, inflation, and climate impact have accelerated the pace of the textile supply chain's transformation."

"DyStar's innovations will help global manufacturers, producers, brands, and retailers continue creating value-added confidence and assurance, while keeping up with transformational needs to deliver quality products without compromising sustainability," Eric Hopmann added.

DyStar's econfidence program creates fundamental



Figure: DyStar will exhibit and presenting its innovative products at ITMA exhibition. Courtesy: DyStar

value for its customers. At ITMA, DyStar will be featuring a suite of product and process innovations which include Cadira, Dianix, Evo, Indigo, Jettex, Levafix, Procion, Remazol, and more.

All customers and stakeholders can expect to connect with DyStar's subject matter experts who will be available at the stand, to provide customers with in-depth knowledge of its products and answer any questions they may have during the seven-day event, as they learn more about DyStar's latest innovations.

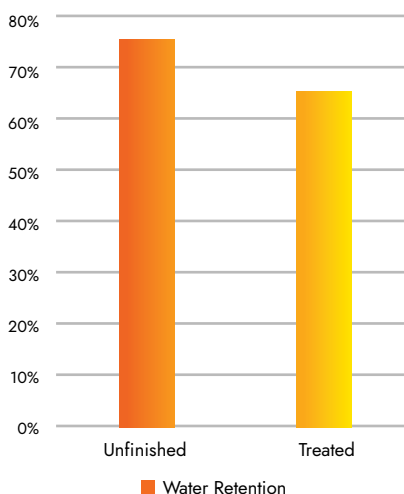
INNOCELLE

SSS

INNOCELLE SSS

- 1) Organic activated shear stable hydrophilic silicone emulsion for Knits and Terry Towel
- 2) Excellent softness with silky touch on finished knits & terry towels
- 3) Instant hydrophilicity with no drop in absorbency during storage
- 4) Garments / Towels finished with the product ensures no deterioration in finished characteristics on prolonged storage at stores
- 5) Uniform and excellent piling property in terry towels when finished with the product
- 6) Completely non-yellowing in nature
- 7) The finished substrates exhibits good wicking (knits/woven) and water retention (Terry Towel) properties.
- 8) State-of-the-art shear stability, can also be applied by padding or during garment washing process

Water Retention



TERRY TOWEL WATER RETENTION DATA



LIMING GROUP
SINCE 1974



BEN TECH CHEMICAL

BENACID CA-3

(Organic liquid neutralizer)

- ◆ Lower cost
- ◆ Sulfuric acid free
- ◆ Gentle to cellulose fibers
- ◆ Non foaming and easily soluble
- ◆ Lower COD value



ZDHC



Contact: Thailand Head Office

97/30 Moo 4, Bangna-Trad Road, Bangchalong,
Bangplee, Samutprakarn 10540, Thailand
T: +66 2 336 1298 F: +66 2 336 0426
E: info.btc@bentechchemical.com

Dhaka Office

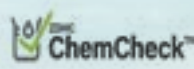
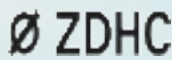
Shepherd Tower
House 24, Road 4, Sector 4 Uttara Dhaka 1230
T: +880-177-046-7892, +880-171-401-3711
E: marketing@bentechchemical.com



Matclean®

Apeo free Scouring Agents

Matclean AFD Liquid	Non-ionic Detergent
Matclean AFD Plus	Non-ionic Combined Detergent
Matclean RWD Liquid	Re-wetting Detergent
Matclean JET-D Liquid	No-foaming Detergent for Jets



Matex Bangladesh Limited

Head Office: Shanta Skymark, Level-8th to 13th
18 Gulshan Avenue, Dhaka-1212, Bangladesh.

Tel : 09606669988 Ext. 149

Email: sales@matexbd.com

web: www.matexbd.com

Factory address: East Chandora,
Shafipur, Kaliakoir, Gazipur, Bangladesh.

Tel & Fax: 088-06822-51166,

Cell: 01713001637

E-mail: coordination@matexbd.com

SOUTH ASIA DIGITAL POWER BUSINESS DEPARTMENT

Together for a Green Bangladesh



All in One Design - Integration Inverter, Battery, Backup Box, Meter

iSitePower-M is a small hybrid power solution. It integrates grid, solar, DG and battery. It is widely used in off-grid and unreliable grid areas and provides reliable and stable backup power for residences, apartments, etc.



Applicable for

- Pure off grid system.
- Applicable for Remote. Area, Island, Resorts etc.
- Area with with Frequent Load Shedding
- Applicable for Apartments, Small Offices, Shop etc

- Pure Off-Grid System
- AC Power Output
- Smart O&M



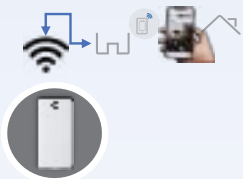
iSitePower-M



iSitePower-M

24-hour Continuous Power Supply
Extraordinary Experience
Secure and Reliable

Online Monitoring



Device Information

Max Battery Energy Storage System Capacity

5kWh 45 kWh



3 Layer Safety Protection



LiFePO4 (LFP) cel
Cell Level Monitoring
Extinguish Bag



Switching time <20ms
Natural Cooling



Reliable 24-hour Power Supply



Safe and reliable



High-quality Experience

Contact Us:

Huawei Technologies (Bangladesh) Ltd.

Level 18, Lotus Kamal Tower Two, 59 & 61, Gulshan South Avenue, Dhaka 1212

☎ 01896021072

✉ solarbangladesh@huawei.com



@Huawei FusionSolar



@HuaweiSolar



community.solar.huawei.com



A Khatau Enterprise

Invites you

to visit and know more about our
Textile & Garment processing products

Indokem Limited is the flagship company for the Khatau Group.
Pioneers in Vat dyes and sizing chemicals in India.
We manufacture and distribute over 40,000 MT of dyes and
chemicals annually.



ITMA 2023

We are at B-309, Hall 5

8 to 14 June, 2023

**Fiera Milano Rho exhibition
centre, Milan, Italy**

INDOKEM LIMITED

Khatau House, Plot No .410/411,
Mogul Lane, Mahim, Mumbai - 400016. (India)
E-mail :- contact@indokem.co.in



Jakazol[®] DS

OPTIMIZED DYEING SOLUTION



Cost



Resource
Management



Performance

