

# Functional Fashion

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## CPB dyeing at Robintex Group brings cleaner production and sustainability

**Robin Razon Sakhawat, Director, Robintex Group**

Robintex Group introduced cold pad batch dyeing (CPB) dyeing in 2018 in Bangladesh for the first time. As of 24 September 2021, it dyed a total of 7.132 million kg of knit fabrics in a continuous system.

On average the company saved a total of 30 liters per kg in this production process. In this way, Robintex Group was able to save around 213.96 million liters of water.

Robintex's Cold pad batch dyeing system achieves 13% carbon savings and over 50% water savings in fabric manufacturing compared with conventional exhaust dyeing.

In addition, it did not require any salt to run the production. Salt

especially is a crucial factor for water pollution and increases the running costs of ETPs. Since the inception of Robintex's project, it has avoided the use of approximately 1430 tons of salt.

As Robintex dyed at 25-degree room temperature which saved a total of 64 million kg of steam.

Many methods are used for dyeing cotton with reactive dyes, but the CPB method is relatively more environment-friendly due to high dye fixation and non-requirement of thermal energy owing to low bath ratio (M: L = 1:1) required for the process. It is a widely used technique for the semi-continuous dyeing process.



Figure: Robintex's Cold pad batch dyeing system achieves 13% carbon savings and over 50% water savings in fabric manufacturing compared with the conventional exhaust dyeing.

For Full Story: <https://www.textiletoday.com.bd/robintex-cpb-dyeing-system/>

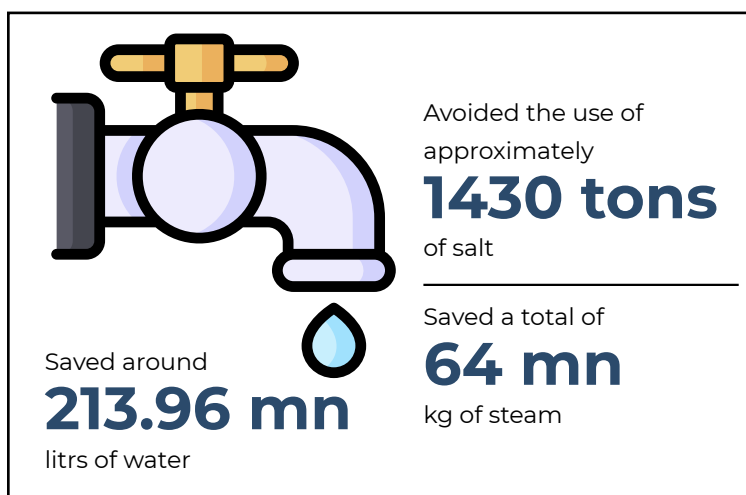


Figure: From 2018 to 2021 (till 24 September) CPB dyeing system at Robintex Group.

Robintex is using an ERBATECH machine from Germany which runs on average 40m/min and is user-friendly. This padder has Nip dyeing system, so the tailing problem is eliminated. In the nip pad, dyes are picked up instantly. Eliminating the chance for hydrolyzed. A uniform dye quality is achieved with even color absorbency and colorfastness.

In pad batch dyeing, qualities like high shade reliability and repeatability are common. This is because of the high reactivity of dyes with a rapid fixation rate and stability.

In the pretreatment process, Robintex is using the singeing process instead of bio polishing from a sustainability aspect. Because bio polishing requires a huge amount of water and chemicals and finally decreases the strength of the fabric. At the same time, they practice drying and finishing on stenter machine to eliminate the process.

The CPB procedure is simple since the only step involved the passage of fabric through the dye bath and squeezing through the dyeing padder with subsequent batching for twelve hours.

## FINISHING OF TECHNICAL TEXTILES

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# Archroma announces 'Safe Edge' online regulatory and compliance platform

**Pinky Noor**

Recently Archroma declared the launch of 'The Safe Edge', an online platform for instant access to product related regulatory and compliance certificates and information.

As the public consciousness is continuously growing around the social, health and

ecological impacts of human and business activities, the need for transparency and traceability in textile chemical supply chains has become vital.

The Safe Edge platform has been designed to allow brands, retailers and

manufacturers of textile, fashion, packaging, paper, paints, to validate with just a few clicks the regulatory and compliance status of Archroma products, including regulations, eco-toxicological information and certifications, and brand requirements.



Figure: The regulatory and compliance status of Archroma products which is including regulations, ecotoxicological information and certifications, and brand requirements.

For Full Story: <https://ff.textiletoday.com.bd/news-business-platform-launched-archroma-named-safe-edge/>

# Higg launches traceability partner program for supply chain sustainability

**Dilruba Sultana**

Higg, a technology platform that enables consumer goods companies to measure, manage, and share the social and environmental impacts of their full value chain, today announced a new program enabling comprehensive traceability across the global supply chain.

The Higg traceability program, a global collaboration beginning with technology partners atma.io by Avery Dennison, FibreTrace, and TrusTrace, aims to fast-track global brands' efforts to track

the hidden impacts within their manufacturing processes, ensure fiber integrity, and understand, communicate, and accelerate product sustainability.

The Higg traceability program is designed to enable consumer brands to identify and share the supply chain provenance of billions of items with their upstream value chain partners, highlight and disclose sustainability information, on their own and other e-commerce platforms, to the public and other stakeholders.



Figure: The Higg traceability program is designed to enable consumer brands to identify and share the supply chain provenance of billions of items.

For Full Story: <https://ff.textiletoday.com.bd/higg-launches-traceability-partner-program-for-supply-chain-sustainability/>

# H&M's recycled denim collection: More sustainable indigo collection from recycled & leftover materials

**Sanjay Saha**

When it comes to more sustainable fashion, H&M likes to challenge itself. As the brand believes that it is innovations and ideas that bring it closer to closing the loop: creating a sustainable life cycle where nothing goes to waste. Where the brand renews and reuses old materials. Question is, how recycled can a garment be?

A new pair of denim requires thousands of liters of water to create. Perhaps a thirst-quenching glass after hours searching for those vintage jeans in the correct size). Looking for that perfect pair can be a time-consuming struggle and not everyone can find that golden ticket. The best thing would be creating something

new without creating new materials, and make this way more accessible than a rare vintage find. Thus H&M introduced its new recycled denim collection.

Where the brand used sustainable washing techniques for lower ecological impact and is free from hazardous textile chemicals.



Figure: H&M defines the recycled denim collection as a time-saving substitute to searching for the perfect-fitting vintage denim. Courtesy: H&M



For Full Story: <https://ff.textiletoday.com.bd/hms-recycled-denim-collection-sustainable-indigo-collection-recycled-leftover-materials/>

# Italian textile machinery demand grows in 2nd Q 21

**Rahbar Hossain**

Italian textile machinery demand is witnessing a sharp rise in the second quarter of 2021. The Association of Italian textile machinery manufacturers (ACIMIT) said, the Italian textile machinery index of orders intake was up 214% in April-June 2021 period compared to the same period in 2020.

The value of the index was 150.7 points (basis: 2015 = 100), an outcome that was inclined by the comparison with a quarter from April-June 2020 – orders were at the lowest, due to the COVID-19 pandemic.

ACIMIT stated that the index of orders intake for the first

six months of 2021 shows a confident business dynamic for Italian manufacturers. A total growth rate of 122% compared to the first half of 2020 covered both domestic and export markets.

Alessandro Zucchi, President of ACIMIT said, "The data are certainly positive, bearing witness to a renewed climate of confidence. In addition to a physiological rebound following the collapse in 2020, the boost generated by 4.0 incentives is being felt on the domestic market. The push towards digitalization in the business sector."

the ACIMIT president added,



Figure: A high-performing draw frame is the cornerstone of any spinning mill. Courtesy: Rieter

"Despite these encouraging signals, a sense of uncertainty nonetheless persists on this recovery's actual solidity. There

is no lack of obstacles facing our machinery producers during this phase."

For Full Story: <https://www.textiletoday.com.bd/italian-textile-machinery-demand-grows-2nd-q-21/>

# Sustainable and intelligent: TC 19i sets benchmark for energy-efficient carding

**Y N Bablu**

Global energy consumption reached a record high in 2019, following a 40-year trend for rapidly increasing energy demand that was only halted by the Coronavirus pandemic.

It's estimated that more than 80 % of this energy is still generated from fossil fuels that produce CO2 emissions and contribute to climate change. Renewable energy offers a solution to this problem, but saving energy whenever possible is an even more effective approach. That's why Trützschler has developed the intelligent card TC 19i, which sets a new benchmark for energy-efficient carding.

For Full Story: <https://www.textiletoday.com.bd/isko-partners-mil-fast-track-smart-textiles-rd/>

Only the intelligent Trützschler card TC 19i features the unique T-GO gap optimizer, which continuously and automatically monitors and adjusts the carding gap to an ideal position during production.

By now, more than 2000 intelligent cards sold worldwide prove quality and production leaps in the double-digit percentage range daily, thereby reducing energy demand per kilogram produced.

Innovative drive- and air technology further reduce energy consumption of the TC 19i. In this way, the TC 19i saves energy to help protect the planet – and also boosts profitability for yarn production.

# KARL MAYER MJ 92/1 B, a superlative JACQUARDTRONIC® LACE for a perfect fabric appearance

**Imran Sikdar**

With the MJ 92/1 B, KARL MAYER has added an outstanding model to its successful MJ machine series.

The newcomer has 92 bars, making it the JACQUARDTRONIC® LACE with the highest number of bars in the portfolio offered by the innovative world market leader.

Thanks to its technical configuration, the MJ 92/1 B produces premium elastic lace articles offering unprecedented flexibility, variety and a clearly defined look and feel, and at an extremely competitive price to boot.

For Full Story: <https://www.textiletoday.com.bd/karl-mayer-mj-92-1-b-superlative-jacquardtronic-lace-perfect-fabric-appearance/>



Figure: The MJ 92/1 B is targeted predominantly toward the production of elastic galloon lace, and also all-over lace for stylish lingerie items.

Based on proven MJ technology, the MJ 92/1 B is a reliable, flexible production machine with an excellent price/performance ratio.

## DIGITAL AOP FOR ANY TYPE OF CELLULOSE BASED WOVEN OR KNIT FABRIC - PRINTING SMALL TO LARGE VOLUME WITH UNLIMITED COLORS

### Key features of Robintex's MS LaRio

- Fastest in the world with top speed of 70 meters per minute
- Production capacity for knit fabric: 15-20 ton/day and woven fabric: 65-70,000 m/day
- Water based ink, No need of screen, 100% Nickel free in bulk production
- Sustainable solution to Digital AOP arena : Water-consumption reduced by 70% and electric consumption by 30%
- No cost for ETP, completely sustainable



### ROBINTEX GROUP

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Compliance:



# PUMA opens 2nd flagship store in Bangladesh

**A H Monir**

PUMA has opened its 2nd flagship store in Dhanmondi, Dhaka after its first outlet in Banani. PUMA's exclusive franchise partner DBL Group launched this flagship store on 26 September, 2021.

For the past 70 years, PUMA's ambition is to create modern, fast and performance-driven products for the world's fastest athletes.

Focusing on sports, PUMA also

considers bringing sportswear, activewear, and other style products under one roof.

With this motto in mind, different categories of athletic and casual footwear, apparel, accessories, and sportswear are available at this new outlet. A vast range of lifestyle products such as sneakers, bags, running shoes, walking shoes, t-shirts, running and training fitness

lineups are also available at the new Dhanmondi 27 outlet.

Like the Banani outlet, the Dhanmondi outlet has also been decorated following all the guidelines of PUMA Global.

During the launch, DBL Group's Chairman, Abdul Wahed; Vice Chairman, M. A. Rahim; Deputy Managing Director & Group CEO, M. A. Quader, and other high officials were present.



Figure: PUMA has opened its 2nd flagship store in Dhanmondi, Dhaka. Courtesy: DBL

For Full Story: <https://www.textiletoday.com.bd/puma-opens-2nd-flagship-store-bangladesh/>

# Valentino's vaccinated hoodies to care WHO Covax program

**Nurnahar Tania**

Valentino put 'V' logo on one of its black hoodie. Where V stands for 'Vaccinated.' Now a somewhat higher version of the sweatshirt will be available on Valentino's website, with 100% of profits going to UNICEF to care its work with the World Health Organization's Covax program, which is aiding to provide vaccine access to countries where it's not extensively available.

The high demand from

celebrities, to editors, and fashion stylists begging the brand to produce the sweatshirt.

Making this sweatshirt was not easy, mainly because Valentino nor the Creative Director of Valentino, Pierpaolo Piccioli made the sweatshirt in the first place.

Rather, the sweatshirt was fashioned by a Los Angeles-based company called Cloney whose sphere is putting their own spin on Los Angeles's cultural references from fashion

to celebrities and making graphics for T-shirts, sweats, and baseball caps.

And Piccioli decided to buy out the lasting stock. Piccioli then reached an agreement with Duke Christian George III, Founder, Cloney's.

By the agreement, Valentino will now make the hoodies in its factories to its luxury standards. The final merchandise will have both logos and be a Valentino and Cloney collaboration.



<https://ff.textiletoday.com.bd/valentinos-vaccinated-hoodies-care-covax-program/>

For Full Story: <https://ff.textiletoday.com.bd/valentinos-vaccinated-hoodies-care-covax-program/>



**PIKE- Single Pass Digital Printer**

Printing width: 1850mm-3200mm  
Print resolution: 1200x1200 dpi  
Printhead: FUJIFILM Diamatix  
No. of printhead: 43 (PIKE)  
No. of color: 36 (JAVELIN) up to 9 (PIKE) up to 6 (JAVELIN)  
Printhead gap: 3mm- 4mm from substrate  
Drop size: 2-10 picoliter variable drop size  
Inks: Reactive (PIKE), Reactive, Acid, Sublimation (JAVELIN)



**JAVELIN- Multi Pass Digital Printer**

**JAVELIN Beyond limitations.**



**NEBULA INKS SERIES FOR KYOCERA PRINthead**

- NEBULA Reactive Inks
- NEBULA Acid Inks
- NEBULA Sublimation Inks



**FLARE SERIES FOR EPSON PRINthead:**

- FLARE Reactive Inks
- FLARE Sublimation Inks

Complete range of textile inks for digital printer with Kyocera, Epson and Fuji printhead

# Gucci unveils Vault vintage site during Milan Fashion Week

**Akik Ahmed**

Gucci recently launched an e-commerce site to present renovated vintage Gucci products and capsule collections by young designers during Fashion Week in Milan, Italy.

The young designers were selected by Alessandro Michele, Creative Director, Gucci.

Alessandro Michele expressed that the brand has a huge network of sources for vintage Gucci, which it has been digging to reconstruct its archive.

Michele said the project was born out of his life-long obsession with collecting fashion, including Gucci items before he ever joined the brand.



Figure: Influencers offer a masterclass in statement-making style. Courtesy: Andrea Barber

The young designers featured included London-based Priya Ahluwalia. Of Nigerian and Indian descent, Ahluwalia's upcycled collections have already found a broad audience ranging from sports figures like Lewis Hamilton to middle-aged hipsters.

For Full Story: <https://ff.textiletoday.com.bd/gucci-unveils-vault-vintage-site-milan-fashion-week/>

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