

Functional Fashion

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■ Passion ■ Purpose ■ Protection

Volume 01 | Week 31 & 32 (July 27 - 09 August, 2020) | Issue 07 | Pages 04

Sportswear appears resilient amid Covid-19

Desk Report

Despite challenges, sportswear appears to be a resilient category in the midst of Covid-19. While the epidemic seems to intensify consumers' desire in their health and well-being, sportswear is in a good position to benefit from it as consumers express this desire through active lifestyles.

As a discretionary item, sportswear may seem like an unlikely winner after COVID-19. Indeed, for big companies, COVID-19 can be an accelerator because companies gain their connection with customers and conduct business through more profitable channels.

As per research published in William Blair Blog, the total addressable market (TAM) in the sportswear space is estimated at \$472 billion globally. Sportswear increased from about 18% of the apparel category



in 2007 to almost 26% in 2019. In fact, sportswear has shown a 6.5% compound annual growth rate (CAGR) over the past five years, one-and-a-half times that of the apparel market.

Sportswear companies, over the past few years, have woven digital engagement into their DNA. Experts believe that this trend will continue as the category has a long track record of value creation over the past 30 years.

For Full Story: <https://ff.textiletoday.com.bd/sportswear-appears-resilient-amid-covid-19/>

Textile Today got official approval for selling Swiss Technology 'HeiQ Viroblock' treated disinfecting mask and other protective products in Bangladesh

Desk Report

Bangladesh Textile Today jointly with APS Group has developed functional masks using HeiQ Viroblock NPJ03 technology by the Swiss innovator HeiQ, which is a leader in textile innovation creating some of the most effective, durable and high-performance textile effects in the market today.

After testing the effectiveness of the mask in an internationally recognized laboratory, it was found that the fabric of the mask is 99.78% effective in disinfecting microbes even after 20 wash at 30 degree Celsius.

Antiviral and antibacterial mask ranges:

1. AVAB Classic M99- suitable for heavy public interaction
2. AVAB Protection M99- medical grade
3. AVAB Active M99- better outlook activities
4. AVAB Fashion M99- for fashionable application

Bangladesh Textile Today and APS Group signed MoU

A Memorandum of Understanding (MoU) has been signed between Amin and Jahan Corporation Ltd. the owner of the Textile Today Innovation Hub (TTIH) and APS Apparels (Dyeing Unit) Ltd. a concern of APS Group for developing, manufacturing, branding, distributing and selling of functional or protective clothing and equipment.

TTIH will connect resources



Figure: (from left) Md. Shamim Reza, Managing Director and Md. Hasib Uddin, Chairman signed the agreement. While from Bangladesh Textile Today, ASM Tareq Amin, Founder & CEO signed the MoU.

from different stakeholders to resolve problems and to generate new opportunity. APS Apparels (Dyeing Unit) Ltd. will endeavor for product and process development generating unique proposition creating new opportunity.

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Functional Fashion FACTS

Sportswear market is estimated globally at

\$ 472 bn

China's exports rose by 0.5% to

\$ 213.6 bn
in June

64%

US companies moving out of China

35%

Growth in Vietnam's overall exports to USA

3%

Global trade values drop in 1st quarter of 2020

For Full Story: <https://www.textiletoday.com.bd/textile-today-will-officially-represent-make-functional-product-range-heiq-viroblock-npj03-bangladesh/>

Mask production nothing runs without textile machinery

VDMA

The production of the textile raw material is the first step of the usually multi-stage production processes. Members of the VDMA Textile Machinery Association are at the beginning of this technological chain.

The production of protective masks starts with the manufacture of the filter material, which for surgical masks as well as FFP2 and FFP3 respirator masks consists of fine-pored nonwoven fabric to intercept COVID-19.

In the wake of the COVID-19 crisis, VDMA Textile Machinery has launched a new series of web events called 'Textile Machinery Webtalk'. Here, experts from up to four VDMA member companies present their innovative technologies on a specific topic in a maximum of 90 minutes and are available to answer questions from participants. The presentations are held in English. Participation in the web events is free of charge.

Topics of the first two webtalks were:

'Technologies for the production of melt-blown nonwovens for respiratory protection masks (FFP masks and surgical masks).'

'Technologies for the production of respiratory protection masks (FFP masks and surgical masks).'



For Full Story: <https://www.textiletoday.com.bd/mask-production-nothing-runs-without-textile-machinery/>

Footwear firm API achieves Global Recycled Standard Accreditation

Desk Report

US based material solution provider Trinseo's footwear arm Applazioni Plastic Industrial (API) has been accredited the Global Recycled Standard (GRS) of the Textile Exchange for three thermoplastic elastomers (TPUs). GRS is a global non-profit that drives the transformation of the textile industry to reduce the impact of the industry on the environment.

These components, which are under the APILON 52 Eco brand, are part of the company's sustainable solution portfolio and contain a wide variety of recyclable materials.

GRS certifications provide independent proof of any component's sustainability claims.

In order to be certified, a material must contain at least 20 percent pre-customer or post-customer recycled content. According to API, it has been working closely with its customer, VAMAS, the luxury footwear manufacturer for the past five years on a closed-loop initiative to secure scrap material coming directly from the production floor and return it to virgin material for re-processing.



The company mentioned that this scrap is considered a post-industrial recycled (PIR) component because it left the original place of production, API, and was recovered from an outside facility, VAMAS.

Giancarlo Busa, global market leader for TPE footwear at Trinseo said, "This is an example of a creative material solution developed together with one of our valued customers to achieve sustainability goals".

For Full Story: <https://ff.textiletoday.com.bd/footwear-firm-api-achieves-global-recycled-standard-accreditation/>

Agion's trusted antimicrobial solutions for medical devices

Agion Story

Amid COVID-19 pandemic Agion Antimicrobial technology inhibits the growth and colonization of microorganisms on the surfaces of medical devices and equipment by adding an important layer of protection to these critical products.

Unlike common disinfectants and antibacterial products, Agion Antimicrobial protection

can be designed to meet your unique product requirements for antimicrobial performance and lifetime.

Trusted Antimicrobial Partner

Agion Antimicrobial is a trusted solution for various applications within the healthcare industry. With an experienced staff and proven product, Agion has become a leading supplier of

antimicrobials in the healthcare industry. Beyond its experience and reliability, its technology is backed by:

- A recommendation by the Society for Healthcare Epidemiology of America for use of Agion-treated catheters for the prevention central-line associated bloodstream infections
- Clinical data supporting the use of Agion antimicrobial in medical devices
- FDA Master Files on our medical grade formulations
- An Active Substance Master File with an EU Competent Authority

For Full Story: <https://www.textiletoday.com.bd/agions-trusted-antimicrobial-solutions-medical-devices/>

Researchers developing reusable N95 mask with 3D printing technology

Ariz uz-Zaman

With an initiative of Dr. Carl Schulman, Executive Dean for research and professor of surgery, professors, and students of the Miller School of Medicine are developing a reusable N95 mask with 3D printing technology. The team is very close to the prototype.

"We are trying to recreate these masks in such a way that anyone can reproduce and use them", said Schulman, "if we can

finalize it, it will be helpful not only locally, but nationally and globally."

This 3D printing N95 mask features a hole in the middle, where a variety of treated pathogen filters can be inserted (and replaced) to purify the air circulating through the mask and protect the wearer and the people around. These filters are available as they are used for respirators and ventilators

in most hospitals. It is also comfortable, durable, and well fitted.

Graduate student Umer Bakali and recent Ph.D. graduate Jeramy Baum, the members of Schulman's team, hope that it will enhance the comfort of health care personnel who have been wearing the disposable N95 masks for the recommended duration.

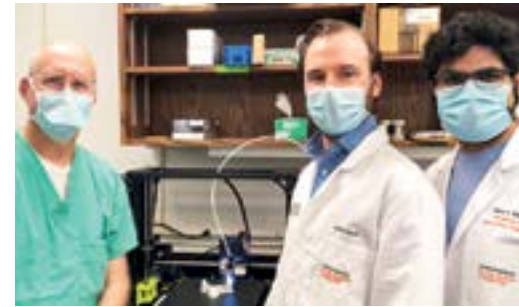


Figure: Dr. Carl Schulman, Executive Dean for research and professor of surgery, professors, and students of the Miller School of Medicine are developing a reusable N95 mask with 3D printing technology.

For Full Story: <https://ff.textiletoday.com.bd/researchers-developing-reusable-n95-mask-3d-printing-technology/>

American pioneer 3D printing companies launch 'Forust' 3D printing wood products

Desk Report

American 3D printing pioneer companies Figulo, Boston Ceramics, and Emerging Objects have launched Forust 3D printed wood products. The products are primarily based on extensive research conducted over the past decade in the field of hardwood lumber, leading to geometrically complex, elegant finished structures, including tiles, blocks, and panels.

In launching the Forust project, they partnered with Andrew Jeffery, another US industry



veteran and 3D printing pioneer, is the CEO of the new company. He is the former President of Figulo and Boston Ceramics and also the Director of Ceramic Products at 3D

Systems. Mr. Jeffery is one of the leading experts and innovators for ceramics binder jetting and ceramics 3D printing in general in North America.

At Forust, San Fratello is the company's President and Rael is the COO, have conducted research in binder jetting of several materials leveraging Zcorp/3D Systems binder jetting technology in Emerging Objects. Using an unparalleled selection of materials from ceramics and cement to rubber, sand, and even salt, chocolate, and tea, they have developed unique skills in how to make this process effective in the final parts of mass production.

For Full Story: <https://www.textiletoday.com.bd/american-pioneer-3d-printing-companies-launch-forust-3d-printing-wood-products/>

Egyptian researchers develop date palm textile fibre

Amena Kamal Khan

For the first time in the world, Egyptian researchers from PalmFil Consortium has developed textile fibre from date palm by-products.

The goal of the research was to extract high-performance fibres from the date palm midrib using a combined alkaline-mechanical process and study the outcome of the extraction conditions on the physicochemical, morphological, and mechanical properties.

This date palm fibre is sustainable and economical and compatible with

textile and composite processing and offers the properties required for future lightweight cars, sporting goods, plaster reinforcements in construction, burlap sacks for packaging, ropes, twines, non-wood papers, and other consumer products.

The fibre is biodegradable and compostable and has a specific tensile strength five times higher than structural steel, and equal to those of flax, hemp, and sisal.

"Since the 1980's the shift from



natural fibres to manmade fibers was mostly to bridge the gap between the growing demand for textile fibers

and the inadequate supply of natural fibers," said Dr. Mohamad Midani, Partner, PalmFil Consortium.

For Full Story: <https://www.textiletoday.com.bd/egyptian-researchers-develop-date-palm-textile-fibre/>

Pennsylvanian local printing shops offers face print masks

Desk Report

Collegiate Pride Inc., a Pennsylvanian local screen printing shop has launched a unique style of face masks printed user's own face named 'happy face mask'. Previously Danielle Baskin, a Designer in San Francisco launched a cotton face mask that can be custom ordered with any image desired, including that of one's own face and they are merely realistic.

The store is happy to be able to create a product that is so high in demand right now and Danielle Stemple, Marketing Director says, "These things

aren't going away anytime soon."

The masks are instantly produced using a digitized version of a quality image using a 'direct to quality' printer. The printer uses water-based ink and passes the mask over to create the image in about 10 seconds.

For this, a clear image is necessary for natural light and one can choose own style, realistic or cartoon, and the size of the mask. The cartoon version is a bit larger which creates a more exaggerated look.



For Full Story: <https://ff.textiletoday.com.bd/pennsylvanian-local-printing-shops-offers-face-print-masks/>

Giesswein launches world's lightest merino wool sneaker

Desk Report

The Austria based family-run footwear brand Giesswein has claimed to have launched the world's lightest merino wool sneaker with its latest product launch.

The brand said the new 'Wool Sneaker' is only 160g, almost half the weight of an average running shoe, and equivalent to 100 paper clips, 150 jelly beans, or even 65 pennies.

The purpose of the new unisex sneaker is to revolutionize a

"lightweight feeling" using a thin top material made from unique 3D stretched merino wool and ultra-light EVA foam soles, which lasts longer than a traditional themed rubber sole.

As well as being lightweight, it's both temperature and moisture-regulating features make it comfortable in warm temperatures and leaves your skin feeling nice and cool. Merino wool doesn't hold onto unpleasant odors—even during long days and bacteria doesn't

stand a chance for to its special structure and self-cleaning effect. Moreover, it can be easily washed in the washing machine at 30°C (90°F.)

The new unisex lightweight sneaker comes in a variety of colors, including pink, yellow, red, navy blue, black, gray and white.



<https://ff.textiletoday.com.bd/researchers-developing-reusable-n95-mask-3d-printing-technology/>

Peter England launches antiviral* collection with HeiQ

Desk Report

Peter England, a menswear brand from Aditya Birla Fashion and Retail Ltd, has collaborated with Switzerland-based HeiQ, a global leader in textile innovation, to introduce the unique HeiQ Viroblock fabric technology to India.

Peter England will offer a fashionable and stylish collection with virus and bacteria resilient properties. Peter England will

launch workwear, loungewear and face masks to meet the complete lifestyle demands of the new-age consumer under this collection.

Additionally, to the antiviral technology, Peter England has boosted their mask offering with droplet resistant finish & Smart Strap™. The droplet repellent finish makes the fabric hydrophobic.

This prevents contagious droplets on the masks' outer surface, making it a perfect shield for the consumer. The Smart Strap™ used in the mask have a soft-finish and three-way adjustment to provide comfort, fit and a choice to carry the mask around the neck, when not in use.



For Full Story: : <https://www.textiletoday.com.bd/peter-england-launches-antiviral-collection-heiq/>