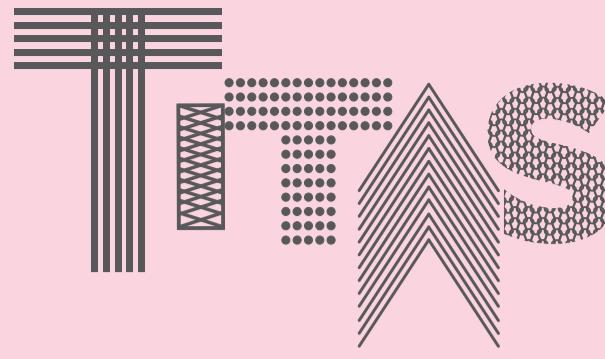


**TAIPEI INNOVATIVE  
TEXTILE APPLICATION SHOW  
2020台北紡織展  
OCTOBER 13-15**



**Featured Reports**

**TITAS 2020 Create New Business Opportunities for Post COVID-19 Era, Drive and Upgrade Five Major Exhibition Themes**

Organized by the Taiwan Textile Federation (TTF) and under the auspices of the Bureau of Foreign Trade, Ministry of Economic Affairs, Taipei Innovative Textile Application Show (TITAS) enters its 24th edition this year. Opening on October 13th, 2020 at Taipei Nangang Exhibition Center, Hall 1, TITAS will be welcoming 356 exhibitors from 11 countries and regions including Taiwan, U.S., Sweden, Germany, Switzerland, Japan, Korea, Vietnam, Hong Kong, Singapore and China in total of 803 booths. To show the government's full support, William W. Wong, Chairman of Taiwan Textile Federation, Douglas T. Hsu, Honorary Chairman of TTF, Lin Chuan Neng, Vice Minister of Ministry of Economic Affairs, and Lee Lien-Chuan, Vice Minister of Ministry of Culture attended the opening ceremony with representatives from textile industry and associations.

Leading companies in Taiwan's textile industry that will be attending TITAS 2020 include Formosa Plastic Group, Far Eastern New Century, Eclat Enterprise, Tex-Ray Industrial, Chia Her Industrial, Shinkong Synthetic Fibers, New Wide Enterprise, Yi Shin Textile Industrial, and more. 24 key textile-related associations and research institutions will be participating in the event as well, including Taiwan Textile Research Institute, Southern Taiwan Textile Research Alliance, MIT Underwear Innovation Alliance, ITRI Material and Chemical Research Laboratories, Taiwan Technical Textiles Association, and trade organizations and associations representing various segments in Taiwan's textile industry, such as Taiwan's spinner, silk and filament weaving, weaving,

filament fabrics printing sectors, dyeing and finishing industries, knitting industry, wool textile sector, sweater industry, hosier manufacturers, glove manufacturers, hat manufacturers, towel manufacturers, zipper manufacturers, carpet manufacturers, non-woven fabrics manufacturers, and Taipei Sewing Machine Associations.

In the opening remark, Chairman Wong stated that Taiwan's textile industry has evolved to be a highly technical industry. Its innovative functional textile products have become the prime choices for international leading brands. In response to the growing consciousness of impact of global warming and as we move toward Industry 4.0, the development of eco-friendly textiles, automated machineries, and sewing facilities are the key items for TITAS this year. The confrontation between U.S. and China and COVID-19 pandemic have brought serious impact to Taiwan. In this critical time, every cautious step taken by the government must include consideration for pandemic prevention and economic development.

ROC Vice President Lai Ching-te mentioned that TITAS is the only international class of textile exhibition in Taiwan. It is also a platform from Taiwan Textile Federation (TTF) as a textile forum to assist our textile enterprises in promoting innovative textile applications, just like the mask materials, meltblown nonwoven fabrics and isolation garments arranged by Formosa Plastics Corporation, Protective clothing and jerseys worn by NBA teams are fabrics made of recycled PET bottles from the Far Eastern New Century.

Vice President Lai Ching-te encouraged the

textile industry in his remarks. He felt that although the pandemic brought severe impact to the health of people and the economy, it was also a window of opportunity for Taiwan. Among the essential items for pandemic prevention, facial masks, protection gowns and isolation garments are textile products. The textile industry has become the key sector during this turbulent time. Vice President Lai expressed his wholehearted appreciation for these vendors.

Vice President Lai also suggested that the French Open should use Taiwan made functional textiles for players and Vice President Lai put forward the three major achievements of "all digital textile value chain", "fashion textile ecosystem", and "sustainable textile supply center", hoping to form another new industries for "anti-epidemic substance" with safety, fashion and function. And under President Tsai Ing-wen, "High-end R&D and Manufacturing Center" concept, let Taiwan's textile industry go further. This year's TITAS Show is a series of events of "2020 Taipei Fashion Week SS21". The Ministry of Culture has specially combined TITAS pioneers and designers to cooperate with Taiwan's functional fabrics with fashionable aesthetics, and demonstrate the innovative materials and technologies of



the textile industry through dynamic exhibitions. Vice President Lai had attended this fashion presentation.

After attending the opening ceremony, Vice President Lai visited the key companies participating the event in the company of William W. Wong, Chairman of Taiwan Textile Federation, Douglas Hsu, Honorary Chairman of TTF, Hong Zhen-Hai, Chairman of Eclat Textile, Zhan Zheng-Tian, Chairman of Yi Shin Industrial, and Ray Lin, Chairman of Tex-Ray Industrial.

This year, TITAS focuses on 5 themes: Functional Applications, Sustainability, Personal Protective Textile, Smart Textile, and Intelligent Manufacturing to feature the latest results from Taiwan's industry. During the event, organizers have scheduled exciting programs include the highly anticipated seminars such as presentation for smart and green textile materials, function and fashion design for medical supports, a step forward transformation in Taiwan textile industry.



Vice President Lai Ching-te, Vice Minister Lin, Vice Minister Lee, Chairman Wong, Chairman Hsu visited Formosa Plastics Corporation



Vice President Lai Ching-te, Vice Minister Lin, Vice Minister Lee, Chairman Wong, Chairman Hsu visited Far Eastern New Century



Vice President Lai Ching-te visited Formosa Plastics Corporation's products



Vice President Lai Ching-te visited Far Eastern New Century's products

Sponsoring Authority



Organizers



Ad by Bureau of Foreign Trade Implemented by TTF



## Highlights



## GRANDETEX

GrandeTex offers functional fabric for worker-wear, athleisure, outdoor, indoor products, aiming to develop more eco-friendly material for earth protection. "RICH-y®" is GrandeTex' patent for ECO innovation, which from raw material instead of chemical treatment. Permanent function of anti-bacteria, anti-odor, anti-UV, wicking, cooling keep daily wearing maintain fresh, suitable for active wear and underwear range. GrandeTex is a member of BlueSign® and Oeko-Tex® and always cooperate with qualified factories to ensure fabrics are complied with standard. With their commitment to a sustainable future, they also obtain GRS certification on Sep.2020.

GrandeTex's RICH-y® yarn is a successful and widely received as its

### Highly-Praised High-Performance Products

anti-bacterial, odor proof, and anti-UV qualities are embedded during the production process instead of using additives, therefore more long lasting and would not create further pollution. Now GrandeTex offers another alternative - RICH-y+(Solution Dyed). These yarns are based on RICH-y® functions, GrandeTEX's innovative product solution dye in 2020 is an environmentally friendly technology in the dyeing process-as it produces under very low energy consumption, less water consumption and low carbon dioxide emission. It's less water waste and no chemicals in use perfect for outdoor brands that seek for eco-friendly and functional products.

For more information, please visit the Booth M511a.

## SINGTEX

### Post-Epidemic Era

SINGTEX Group, focusing on "Running a business that warms the heart". Due to COVID-19, the demand of Personal Protective Equipment (PPE) has suddenly increased, which cause the shortage of PPE. Ministry of Economy Affairs gathered SINGTEX MAGICTEX and other Taiwan Textile factories to form "Taiwan Textile Team". Provide one million pieces of isolation gown to Ministry of Health and Welfare. At the beginning of the epidemic, SINGTEX obtained Pharmacist Manufacturing License, Pharmacist Selling License and Level1 Medical Equipment License. The PPE series, adhering to the protection of the environment, the PPE fabric can still maintain protective effect after 30 times wash, which can reduce the pollution of the non-woven disposable isolation gown. Through the hot-melting tape technology, it can prevent blood and viruses from penetrating through the sutures, achieving a higher level of protection and manufacturing speed. In addition, isolation gowns of different colors are also provided to facilitate the management of medical units.

During the epidemic, in addition to the protection of medical personnel, daily

### CHAIN YARN 365 EVERYDAY Eco-friendly

The GREENLON® brand was established in 2014 with the idea of reducing waste, energy and carbon emissions. CHAIN YARN developed the process of re-using materials and replaced highly polluting process to create eco-friendly textiles.

The changing weather and global warming show us how the backlash of the nature changes our lives. Creating a sustainable environment is an issue that GREENLON® hopes all consumers take to heart 365 days of the year, everyday as a goal. GREENLON® recycles fibers recycle physically to group, purify, or recycle without harmful chemical treatments in the processes to minimize waste materials from the processes. Upholding the principles of "recycling 100% waste materials" and

"minimal polymer outputs", processes are designed so all production lines emit less carbon. For TITAS 2020, in addition to eco-friendly recycled Nylon 6, the recycling technology for Nylon 66 has also made advancement.

Technology comes from humanity. So does textile products. Breakthrough of technology frees us to explore the outdoor. Climate changing creates more needs for textile products; cooling garments for the summer and warmer ones for colder weather, and the usual needs for moisture-absorbent and deodorant materials to satisfy the market demands, functional textiles are developed to bring more comfort and protection to human.

For more information, please visit the Booth M413a.

## GRAND

### Not just Manufacturing, but also Innovation

Grand Textile, with more than 30 years of professional technology, is famous for its ODM / OEM of functional fabrics. In addition to adhering to the spirit of excellence, the company also actively focuses on innovation and research of the product, and supported by major brands. They also develop some patent technologies such as Stone Cold®, Coffee Charcoal®, etc.

### CHIA HER

#### Green Medical Health and Safety for New Life

Ahering to the green and sustainable business philosophy, Chia Her is not only a manufacturing expert of functional wool but also an expert in filament and spun woven. They innovate, research and develop sustainable textiles using eco-friendly materials such as Tencel, recycled polyester, recycled nylon, recycled cotton, and recycled wool.

This year Chia Her stepped into the medical textiles area with their advanced technology. Their protective coverall fabric is made from biodegradable polyester, coating and laminates. By

implementing eco concept into textiles, they are committed to the development of reusable protective medical textiles.

At TITAS 2020, you will see the latest protective coverall fabric from Chia Her. Apart from the essential medical protection, they have also launched Chaser Fabric Mask which is antibacterial, breathable, washable and reusable. During a time when epidemic prevention becomes a new normal, they aim to offer not only protective but also green and fashionable products.

For more information, please visit the Booth N1110.



### Integrating Online and Offline Marketing for Post COVID-19 Era

### TITAS Organizes Special "Medical Protective" & "High Performance" Textile Platform

#### ● Medical Protective Textile Joint Exhibition

In response to the trend of "contact-free" and digital commerce in the post COVID-19 era, TITAS initiated TITAS on-line catalogue. Exhibitors can upload their product photos, specification and video. The online platform allows international buyers to view the latest products, contact and inquire about product details and prices. The 7-24 services offer instant, rapid and up-close interactions.

Since the pandemic continues to spread globally, border restrictions remain. In order to ensure communication between exhibitors and international buyers, TITAS invited more than 40 brands from 15 countries

sustainable SINGTEX® PROTECTOR PPE by Singtex, and protective surgical textiles by Asiatic Fiber.

#### ● High Performance Textile Exhibition

TITAS organizes a special platform for high-performance textile applications for a win-win outlook for public sectors and textile industry. Products include Far Eastern New Century, Epidemic Prevention Travel Kit by Formosa Taffeta, innovative medical protective textiles by Eclat Textile, post-pandemic life style solutions featuring T-Fresh anti-virus cloths by Tex-Ray Industrial, biodegradable polyesters, coating and protective materials that can be reused by Chia Her Industrial, personal protective textile products featuring



## SOUTHERN TAIWAN TEXTILE RESEARCH ALLIANCE

### Fashion x Smart x Environment-Friendly

Under the leadership of Director General Yong-Ching Shen, the alliance strives to bring together collaboration in the textile industry as well as with other industries. In response to growing awareness in environmental protection, STTRA actively promotes the development of green textile materials and intelligent textile products. Since its establishment, the Southern Taiwan Textile Research Alliance has been committed to the mission "Combining the resources from the government, academic and private sectors to encourage alliances and collaborations for innovative technologies, to enhance

the R&D strength of the industry, and to accelerate the transformation of business operation for industry's sustainable prosperity".

9 Alliance members co-exhibit their latest R&D results at TITAS 2020, with an aim to seek more cross-sector collaborations during the Show.

They are: NAN PAO RESINS CHEMICAL, AUSPRING, ZHANYI SCIENCE and TECHNOLOGY, TRUE YOUNG, JUNMAY LABEL MFG., TOHITOMO, CHENG MEI LABEL MFG. CORP., CALIPHIL ENTERPRISE, YESSING MACHINERY. Please visit the Booth N116.



## TAIWAN TEXTILE RESEARCH INSTITUTE Disclosing Multi New Research Results

TTRI discloses R&D achievements of functional and smart textile, digital manufacturing, sustainable textiles, and value-added services.

#### • Functional and Smart Textiles

Functional and smart textiles include micro-nano compound nonwoven, flame retardant and abrasion resistant textiles, Protimo antimicrobial nylon fiber, medical textiles, cosmetotextile, and smart textiles for rehabilitation and motion detection.

#### • Digital Manufacturing

The demonstration of digital manufacturing includes textile electromechanical integration technology, digital dyeing, intelligent dyeing manufacturing-demo site,

intelligent energy-saving dyeing system, fabric/fiber image analysis solution, and textile digital inspection technology.

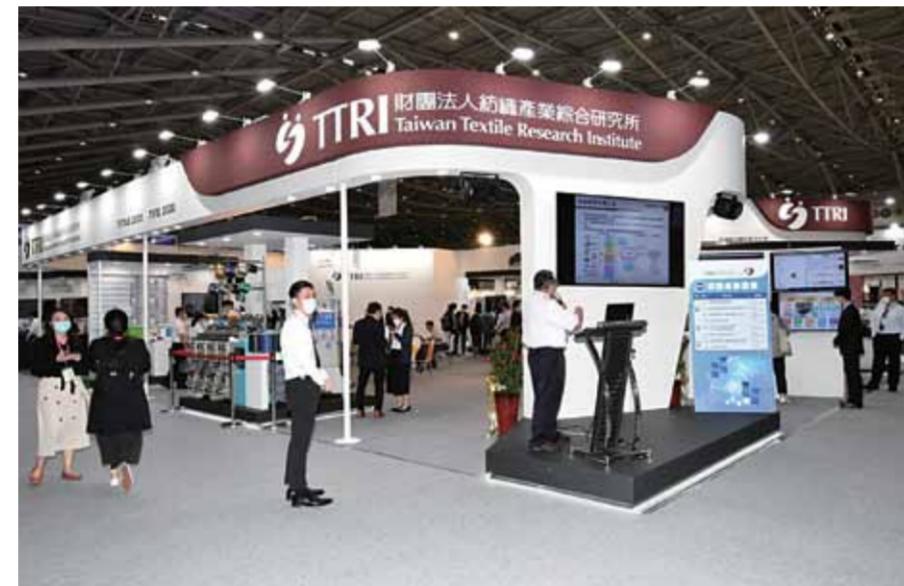
#### • Sustainable Textiles

TTRI shows melting point hot melt fiber, fluorine-free water repellency yarn, 2DF high fastness of doped-dyed fluorescent color fiber, and EcoT polyester recycling verification platform.

#### • Value-added Service

The Value-added service will display testing and evaluation technology of smart thermostatic textiles safety & protective textiles' mechanical efficiency, and Tnet of information platform, SMIS system & textile academy.

For more information, please visit the Booth M136.



## TAIWAN GARMENT INDUSTRY ASSOCIATION Presents the Best of Taiwan's Garment Industry

### Presents the Best of Taiwan's Garment Industry

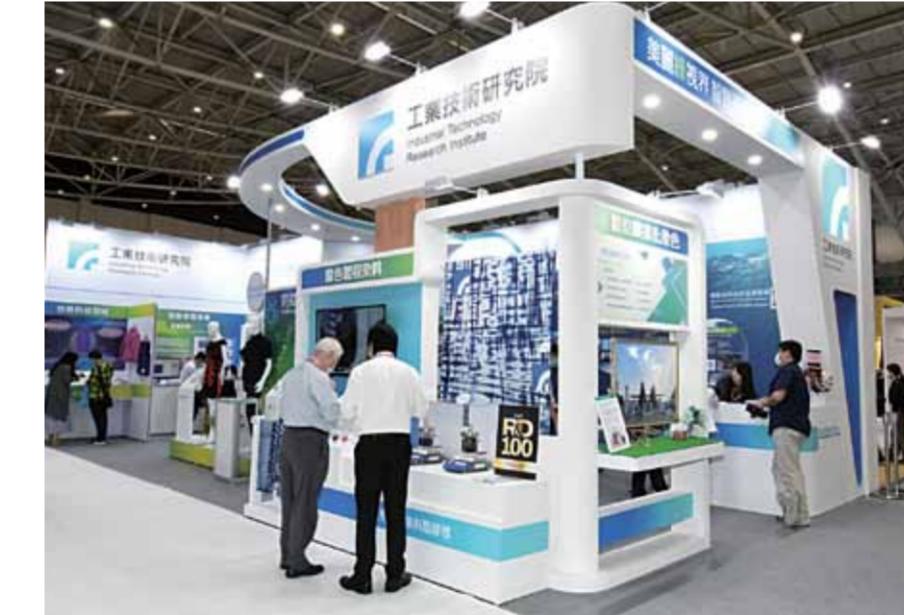
Headed by Chairman Lin Rue-Yue, Taiwan Garment Industry Association takes an active role in promoting the industry by consolidating the strengths of the members and joining forces with numerous outside sectors to develop smart textile products that open up a brand new era for the garment industry.

For TITAS 2020, the association brings forward works of ten members to exemplify the fashion glamour of Taiwan

and the innovation of astheisure.

Some companies showcase their brands products highlighting Taiwan's fashion garments, including Minkwood International, Li An Garment, Texma International, PFOFI, Tex-Ray, Londee.

Additionally, some companies present the strength of Taiwan's active wear and sportswear, such us TSW, Piero Pacco Textile, Hansc & Co., Singtex Fashion. Please visit the Booth M336.



## TAIWAN NONWOVEN FABRICS INDUSTRY ASSOCIATION

### Creating New Business Opportunities

Nonwoven Epidemic Prevention Zone is the epidemic prevention supply chain zone formed by Taiwan Non-Woven Fabric Industry Association (TNFIA) and Taiwan Carpet Industry Association.

This indicates the first time that TNFIA expands its exhibition since joining TITAS. Representing booths from suppliers of facial masks and protective isolation gowns, the zone hopes to show the public how nonwoven materials are parts of post-pandemic life style. The zone focuses on one principle and 5 key messages.

The zone emphasizes that non-woven materials will be the star industry in the 21<sup>st</sup> Century. Non-woven industry actively explores innovative possibilities in directions of healthcare, filtering and cleaning, and sustainability. There will be more demand for work force in this area. Application for nonwoven will grow as more and more cross-industry

collaborations continue. All these point to a promising outlook for the industry.

Currently, 19 non-woven companies participating in TITAS 2020, among them 11 set up booths: Nan Liu, We Pro, and Yi Ting from National Face Mask Team presenting their protective isolation gowns, face masks; MeltBlown Alliance members such as Shang Ta Chia, GMA, Leader Extrusion Machinery, Plasco Engineering, Day Young, and Magical Film Enterprise displaying their melt blown facilities and nonwoven materials; Fehrer Enterprise, Freudenberg Group, and San Shieng Technology showcasing their anti-epidermic carpeting and roofing materials; and Full Men Fabric presenting its printed colored nonwoven fabrics for camouflage prints. Applications for nonwoven materials are wide and diverse.

For more information, please visit the Booth N114.





## COTTON COUNCIL INTERNATIONAL

### Trusted as Environmental Sustainability

In a period of ever-greater supply chain scrutiny and a growing demand for transparency, the U.S. Cotton Trust Protocol will set a standard for more sustainably grown cotton. It brings quantifiable and verifiable goals and measurement to the issue of responsibly-grown cotton production and drives continuous improvement in key sustainability metrics.

The Trust Protocol underpins and verifies U.S. cotton's progress through sophisticated data collection and independent third-party verification. Choosing Trust Protocol cotton will give brands and retailers the critical assurances they need that the cotton fiber element of their supply chain is

more sustainably grown with lower environmental and social risk. Brands and retailers will gain access to U.S. cotton with sustainability credentials proven via Field to Market, measured via the Field print Calculator and verified with Control Union Certifications.

The U.S. Cotton Trust Protocol is overseen by a multi-stakeholder Board of Directors comprised of representatives from brands and retailers, civil society and independent sustainability experts as well as the cotton-growing industry, including growers, ginners, merchants, wholesalers and cooperatives, mills and cottonseed handlers. Please visit the Booth M711a.



## HEIQ MATERIALS AG

### Solving the Most Urgent Issue on Earth

Over the last 15 years, HeiQ has been kept adding intelligence to textiles such as activated cooling, eco-friendly DWR, silver-free odor control, air purification and sustainable polyester dyeing solutions. While HeiQ's antimicrobial range has always been leading in performance and global regulatory profile, the most iconic trademark that has made headlines all over the world this year is HeiQ Viroblock – a technology that turns any fabric antiviral. Washable and durable, this textile treatment can generate antiviral effect within 2-5 minutes, and

has been tested effective 99.99% in 30 minutes against SARS-CoV-2, the COVID-19 causing virus, one of the first of its kind. With a patent pending formulation based on cosmetic grade, mainly bio-based ingredients, the technology has been adopted by over 100 brands globally in four months, enabling antiviral face masks, shirts, denim, bedding, mattresses and curtains to help the world go through the pandemic, and bringing consumers inner peace to resume their normal lives as soon as they can. Please visit the Booth M810.

## POLYGIENE AB

### New Technology ViralOff Has High Virus Isolation Rate

Polygiene AB, a Swedish high-tech company, has launched the ViralOff technology for a treatment of textile to manufacture the masks with highly effective anti-viral function. The active ingredient is a biocide and it is made of a reaction mass of titanium dioxide and silver chloride and it is not nano-silver. ViralOff stops viral activity through interaction with key proteins, inhibiting the virus from infecting the cells. It shows a 99% reduction of various viruses, on a treated material, within a 2

hours timespan.

In addition, ViralOff technology can also be used on making hospital wear, operation scrubs, mountain rescue wear and etc. It can also be used on any products that will directly touch your face or your skin, such as all kinds of wearable products, pillow case, bedding products, sofa cushions and even furniture. By avoiding washing the products too frequently, they can be used even longer. Please visit the Booth N1401.

## THE LYCRA COMPANY

### Introducing the New Technology

Themed "RENEW, REDEFINE, REINFORCE", The LYCRA Company is proudly presenting their new technologies and solutions in TITAS 2020.

- **LYCRA® Anti-Slip fiber** is a new and an exceptional slippage solution for single core spandex fabrics that require durable stretch and good recovery.
- **LYCRA® MyFit™ fiber** is a patent-pending fiber technology engineered with a new polymer, designed to deliver improved comfort and fit. The result is greater shape tolerance and a customized fit experience for a differing range of body shapes.
- **LYCRA® FitSense™ technology** is a patented water-based dispersion that features the same molecules as LYCRA® fiber, but in liquid form. This revolutionary innovation is screen

printed onto fabric containing LYCRA® fiber to provide lightweight, targeted support across a range of garment types.

• **Planet Agenda** is the LYCRA Company's commitment to developing products and technologies that will minimize their environmental footprint, and enhance the performance of their customers' acceptances, while safeguarding the health and safety of employees and communities.

• **COOLMAX® freshFX™ technology** The active ingredient in COOLMAX® freshFX™ qualifying fibers is a durable, non-migratory silver-based antimicrobial additive. Therefore, the freshness performance can be expected to remain effective for the life of the garment even after repeated laundering. Please visit the Booth M1011.

## MURATA MACHINERY TAIWAN

### Revealing the Latest VORTEX Fabrics and Yarns

VORTEX Spinning Machine, is the fashion world has sought individuality through a variety of value systems and self-expression, the textiles that support that industry have become increasingly globalized. It is for this reason that they look to a single yarn to provide new added value. The technology which uses an air vortex to spin out the yarn.

VORTEX® is a quality yarn with high function and fashion applicability, created by VORTEX® spinning technology. The formation of this unique yarn uses vortex air to give VORTEX® yarn various features, and makes VORTEX® yarn the ideal material for daily use and for fashion.

For more information, please visit the Booth M1107.