

The logo for TITAS Virtual 2021 features the word 'TITAS' in a stylized, yellow, digital font. The letters are composed of various patterns: 'T' is made of horizontal and vertical lines, 'I' is a vertical line with a cross-hatch pattern, 'A' is a grid of dots, 'S' is a series of parallel lines, and 'S' is a solid yellow shape with a dot pattern. Below the word 'TITAS' is the text 'Virtual 2021' in a bold, yellow, sans-serif font. The background is dark blue with a circuit board pattern of glowing lines and nodes.

# TITAS Virtual 2021

- **154 exhibitors showcase the latest innovations and trends in the sector**
- **Over 80,000 views from 102 countries, including: Taiwan, Japan, Vietnam, the US, Germany, China, Indonesia, Hong Kong, the UK and Singapore**

2021 was a ground-breaking year for the Taipei Innovative Application Show (TITAS). The 25th edition of the show was the first ever virtual TITAS. A completely new virtual experience, the fresh format was the first of its kind throughout Taiwan's textile industry.

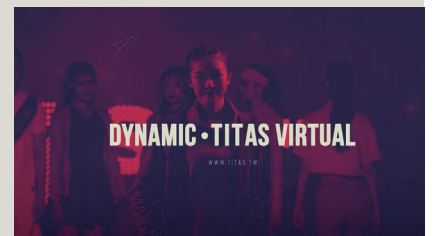
TITAS Virtual 2021 was held for 30 days from 1 to 30 November 2021. The event offered totally virtual business opportunities for Taiwan's textile suppliers and global buyers. As a 'one-stop-shop' for the global textile industry, the platform provided exhibitors with the opportunity to showcase their latest innovations and enabled networking and connections to be made across the industry and the globe. The event reached out to a wide audience, permitting the development of far-reaching business opportunities. In fact, the event's exhibition zones had over 80,000 views from 102 countries. The top 10 countries and regions with highest views include Taiwan, Japan, Vietnam, the US, Germany, China, Indonesia, Hong Kong, the UK and Singapore.



## Building for the future at TITAS Virtual 2021

More than just a virtual exhibition, TITAS Virtual 2021 also held educational seminars in its Seminars Zone. This virtual area provided visitors with the latest in industry insights from Taiwan. A number of exhibitors presented their latest innovations at the Seminars Zone, through both pre-recorded and live-streamed seminars.

The exhibition's Events Zone gave visitors the opportunity to visualise new product launches and held a fashion show for exhibitors to present product highlights. Entitled "Dynamic • TITAS Virtual" the fashion show presented collections from seven prominent companies: Far Eastern New Century, New Wide, Zig Sheng, Eclat, Taiwan Paiho, Singtex and Formosa Taffeta. Viewed virtually, the catwalk focused on sustainable and functional innovations that are also aesthetically pleasing.



This year's event was centred around three key themes: functional applications, sustainability and PPE. These themes are all incredibly pertinent in the Covid-19 era and have spurred innovation in the textile industry.

## Functional Applications

Applying multifunctional textiles to a modern lifestyle including in the sportswear, outdoor, fashion, fitness and wellness sectors – has been a growing trend over the last few years. However, nationwide lockdowns since the outbreak of the Covid-19 pandemic have caused the demand for functional applications in textiles to surge. This is particularly true in the athleisure, wellness and outdoor areas of the industry.

Recognising this demand, designer, engineer and manufacturer of sports and athleisure material, Eclat Textile, introduced its Primefit Zero collection. Primefit Zero's fine furrow structure is composed of highly compressed strands of flexuous yarns that maximise its stretch capabilities and inhibit the loss of elasticity for a longer life cycle. The material is also completely recyclable. A performance essential, according to the company, Primefit Zero is lightweight, moisture-wicking and has excellent airflow for rapid motion.

Woven fabric producer Singtex showcased its functional fabrics with a focus on sustainability and creating fabrics that fit with the lifestyle of the individual. For example, the company's S Café brand of fabrics that has excellent odour control and UV resistance. And, the company's STORMFLEECE™ product is a patented technology that combines weaving and brushing techniques. The fabric is warmth-retaining in the inside and rain and wind-proof on the outside.

Shin Kong Synthetic Fibers Corporation, part of Shin Kong Group introduced SHIN Σ, a specialised polyester yarn with good stretch at TITAS Virtual 2021. The yarn's structural stability, soft and bulky hand feel are ideal for blending with other functional fibres such as UV-cut, anti-transparency, quick-dry and moisture absorbing fibres, etc. SHIN Σ is the one could easily fit these multifunctional fabrics requirement.



Functional Applications

## Sustainability

Sustainability has always been a pressing issue in the textile industry. Consumers, brands and retailers now demand sustainable products and production and companies in Taiwan are embracing this opportunity. At TITAS Virtual 2021, the Sustainability theme emphasised how synthetic materials can be made in a more environmentally friendly way and that, to be synthetic, doesn't necessarily mean they must be damaging to the environment. These materials, that usually have a longer life span than natural fibres, can bring added value to textile products – particularly when it comes to functionality, such as those previously mentioned.

Far Eastern New Century (FENC), a global leader in sustainability, textile innovation and design, presented its FENC® TOPGREEN® Bio3 PET utilizes LanzaTech cutting-edge biotechnology that transforms industrial waste gas into low carbon MEG (Monoethylene glycol), which is then turned into brand new polyester. By capturing and reusing carbon emissions, FENC® TOPGREEN® Bio3 PET Filament and Textiles reduces the company's carbon footprint and cuts down on pollution. The company has also developed a bio-based material derived from sugarcane bagasse that can be used in the production of face masks, diapers and alcohol wipe.

Formosa Taffeta Co., a textile manufacturer with a focus on sustainable sports and outdoor textiles exhibited its latest range of environmentally conscious textiles at TITAS Virtual 2021. The company showcased its newly developed series of environmentally friendly materials. This includes OWASTEX™: recycled and reused waste fabrics that use recycled fishnets and oyster shells, bio-based polyester and nylon fabrics, recycled marine waste polyester fabrics and fibres from

recycled garments. The company also promoted its BOOMETEX® recycled polyester and nylon. The fabric, created using recycled PET and nylon, was developed to reduce the company's consumption of resources, energy and emissions.

Libolon (a brand of textile manufacturer's Li Peng and LeaLea) uses two concepts in its textile development: 'Producing More From Less' and 'Upgrading Resource Productivity' and demonstrated its full range of eco-textiles, including its RePET® recycled polyester fibre manufactured from recycled PET bottles, and Ecoya® which is the company's solution dyed yarn offering. The dyeing process used reduces the use of water and chemicals as well as decreasing the release of CO<sub>2</sub>.

New Wide Group, a textile manufacturer with over 45 years of experience in the industry, prides itself on being a 'pioneer of a greener and smarter supply chain'. The company's new 'ECO' mantra puts Ecology, Conservation and Optimisation at the heart of the business. The company showcased its new bio-based products at the event, one of which feature antibacterial properties. Another was bio-nylon, made with castor oil extracted from non-food plants to replace non-renewable petroleum materials. These materials are comfortable, anti-pilling and low shrinkage. New Wide also introduced fabrics that blend bio-nylon with Tencel and wool.



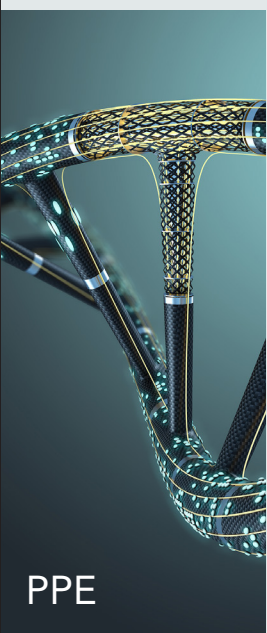
## Personal Protective Equipment (PPE)

The necessity for PPE has grown as a result of the Covid-19 pandemic. The healthcare industry and worker's safety, along with the surging demand for face masks for the public, have all resulted in unprecedented demand for PPE – so much so that many manufacturers have had to quickly scale up their capacity.

Ruentex Industries Ltd is a Taiwan-based company principally engaged in the manufacture of textile products. One of the company's newest developments, showcased at TITAS Virtual 2021, is its Corpo X Protective Jacket, powered by Heiq Viroblock technology. The jacket is designed to protect frontline medical staff and has built in durable antibacterial and antiviral properties.

Woven fabric manufacturer Honmyue presented its LIFE-TECH PROTECTOR technology, launched as a response to the Covid-19 pandemic. The material has AAMI PB70 Level 2~3 protection level and is a single-layer high-density fabric that blocks virus droplets and lowers the risk of the time the virus stays on the surface of the material. The company adds that the product has excellent water repellence and air permeability.

What's more Asiatic Fiber Corporation (AFC) showcased its wide range at TITAS Virtual 2021, including its PPE products. The company's eco-friendly cleanroom fabrics come with robust antibacterial finishing technology and its medical garments, including antibacterial medical uniforms are developed using the company's certified fabrics.



PPE





**TAIPEI INNOVATIVE  
TEXTILE APPLICATION SHOW  
2022 台北紡織展  
OCTOBER 12-14**

The 26th Taipei Innovative Textile Application Show (TITAS 2022) will return to an in-person show, rather than a virtual event, so exhibitors and visitors can take full advantage of the innovations on show, networking and discover what Taipei has to offer. However, recognising the difficulties overseas companies may face if the pandemic uncertainty continues, TITAS 2022 will leverage the benefits of both an in-person and online event, as a hybrid exhibition.

**Focus:**

- Sustainability  
Adopting eco-friendly materials and processes to achieve zero discharge of hazardous substances
- Functional applications  
Applying multifunctional textiles to a modern lifestyle across sports, outdoor, fitness and wellness
- Personal protective equipment  
Developing personal or medical protective products with advanced textile technology
- Smart textiles  
Combining cloud computing and wireless communication technology to provide detective capability
- Intelligent manufacturing  
Adopting hi-tech automation systems and solutions to enhance production efficiency

**Highlights:**

- 350+ exhibitors from around the globe
- 30,000+ visitors in-person
- 70,000+ online visitors

**Exhibits:**

Fibres, filaments, yarns, fabric, apparel, trims, accessories, sewing equipment, textile machinery, textile-related technology and services

To find out more, visit: [www.titas.tw](http://www.titas.tw)

