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# JSN

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# International

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# Sustainable and Intelligent Textiles Highlight TITAS 2016

Organized by the Taiwan Textile Federation (TTF) and under the auspices of the Bureau of Foreign Trade, Ministry of Economic Affairs, the Taipei Innovative Textile Application Show (TITAS) marks its 20th anniversary in 2016. All together 376 exhibitors from 9 nations including China, Germany, India, Indonesia, Japan, South Korea, Sweden, Switzerland and United States as well as Taiwan to showcase their latest collections in more than 800 booths, a record-high scale since its debut in 1997. Function continues to be the main theme of the Show, meanwhile, eco-friendly and smart textiles are two other focuses bound to draw wide attention. More brands and retailers this year than ever are invited by TTF to visit the Show, creating an upbeat atmosphere for business opportunities.

## Vibrant participation from domestic and abroad

In addition to major players in Taiwan's textile industry such as Formosa Plastics Group (Formosa Chemicals & Fibre, Nan Ya Plastics, Formosa Taffeta and Formosa Plastics), Far Eastern New Century, TexRay, Everlight, Kingwhale, Jintex, New Wide Group, Eclat and Tri Ocean, textile institutes and organizations including Taiwan Textile Research Institute, Southern Taiwan Textile Research Alliance, MIT Underwear Innovation Alliance, Taiwan Technical Textiles Association, and 15 associations representing various sectors in textile chain also join the annual professional event. In addition, in order to accentuate the city's textile resources and energy, the New Taipei City Government for the first time launches an exhibition inside TITAS to display function+fashion textiles made by its local textile enterprises.

The top three foreign exhibiting nations are Japan, South Korea and

China. Murata Machinery Taiwan is a first timer, while Toyobo and representatives from city of Kiryu in Gunma, Japan continually join the event. Emtec from Germany and Archrome Management from Switzerland are two other first timers. Polygiene, a Swedish brand as well as a leader in odor control technology, will again bring in its latest applications. Daegu Gyeongbuk Textile Industries Association, as well as exhibitors from mainland China are also present. On the other hand, visiting groups from overseas include Ministry of Textiles of India, China National Textile and Apparel Council and China Chamber of Commerce for Textile Importers and Exporters from Beijing, and Hong Kong General Chamber of Textiles.

## Sustainable textiles speak to the Paris Agreement

Benefiting from a comprehensive and complete textile supply chain to-



*The scene of the opening ceremony TITAS 2016 in Taipei, Taiwan presented by Tsai Ing-Wen, president of Taiwan*

gether with strong R&D and innovative abilities, Taiwan's fashion and functional textiles have always been the top choice of international brands and retailers. With the increasing awareness among consumers of environmental sustainability, Taiwan's textile industry has also devoted a great deal of efforts to the development of not only eco-friendly materials but also eco-friendly production processes. The first global agreement on climate change - the Paris Agreement - will enter into force on November 4, 2016. In face of the beginning of a new course in the global climate effort, Taiwan's textile industry will certainly take on the challenge to develop textile products with lowest possible environmental footprint. Examples include: Jintex and Everlight are both important partners at ZDHC; Formosa Chemicals & Fibre and Ray-TEX all strive to develop processes that save water; Bebe Cotton Knitting Corporation introduces eco-dyeing processes; and Nan Ya focuses on processes that reduce carbon emission. Meanwhile, environmental protection and sustainable development is already an appealing theme at TITAS 2016.

**Intelligent textiles - the next big thing**

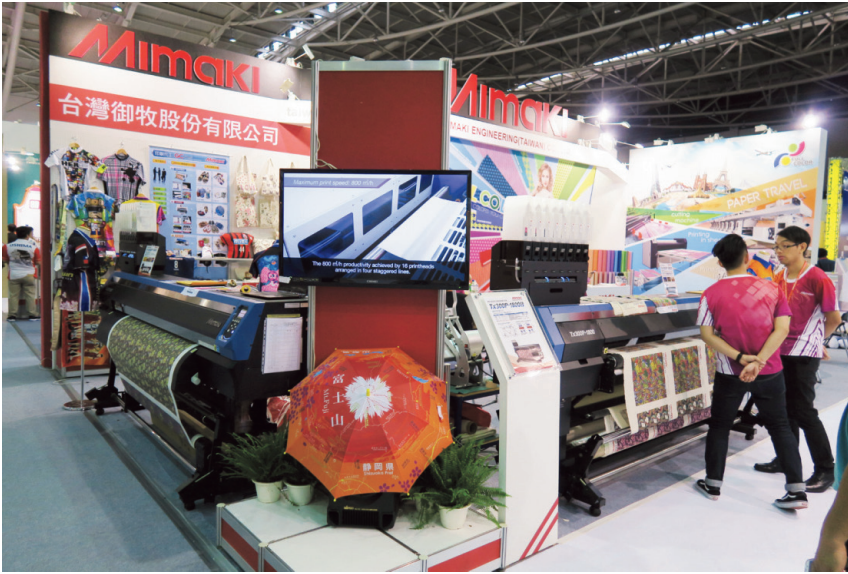
Enjoying a solid foundation in telecommunication and cloud computing in Taiwan, the textile industry here is quick to ride the wave of smart textiles and wearing technology. Relevant products showcased at TITAS 2016 include wearable soft sensors, metallic conductive fibers, cloud integration, wireless transmission technology, etc., which will bring a whole new concept and experience to the Show. In particular, intelligent textiles incorporating I.T. Industry to be applied to various sectors in sports, medical and health care, and protection and security, among others, open huge new possibilities of innovative technology and market development for the industry. Examples include new generation of DynaFeed Smarts Garment by FENC, Ray-TEX's applications on smart garments in outdoor

sports or home care, Formosa Taffeta also introduces its Smart Garments

for the first time; and Asiatic Fiber Corporation introduces fibers for ap-



*The scenes of the TITAS 2016 in Taipei, Taiwan*



*The scenes of the TITAS 2016 in Taipei, Taiwan*

plications that consolidate high-tech fibers and digital applications.

### **Business meetings - always a highlight**

Nearly 100 international brands from 21 countries are invited to visit the Show this time, of which about 25% are American brands due to the significantly better economic condition in US, and more than 1,000 one-on-one business meetings are expected in 3 days. In order to expand the marketplace for exhibitors, TTF has been keen to explore and invite new brands to the Show in recent years. Hence one-quarter of buyers invited this year are first-timers.

Besides regular visiting brands such as Under Armour, The North Face, Lafuma, Peak Performance,

Ralph Lauren and Salewa, new comers in sports, outdoor and leisure fields include Woolrich and Exxel Outdoors from US, One Planet and Vigilante from Australia, Sanfo from China, Craghoppers from UK, Stokke from Norway, Elkline and ION Bike from Germany and Colmar from Italy.

Since more and more fashion brands are using functional materials to add value and appeal to their apparel products, many new visitors from fashion brands are also invited. In addition to regular visitors Burberry and Hugo Boss, some of the new comers are Michael Kors from US, Tiger of Sweden-IC Group and BNB from Sweden, Marisa Lojas and Casas Pernambucanas from Brazil, and Somsom from China.

### **Seminars and presentations**

15 seminars and presentations are arranged at TITAS this year, featuring topics like textile product and technology trends, development strategy analysis for emerging brands, fashion detox and green textiles, and smart textiles trends. This side event offers great opportunity to receive and exchange information with experts and professionals. Seminars include “Evolution Tendency of Smart Textiles” Trends and Applications of Smart Textile Products” by TTF, “Taiwan Textile Trend” by Taiwan Silk & Filament Weaving Industrial Association, Taiwan Regional Association of Filament Fabrics Printing Dyeing & Finishing Industries, and Taiwan Technical Textiles Association, “Cotton is Coming Back!” by Taiwan’s Spinner Association, WHOLEGARMENT® - The Knitting Trend in the Future by Taiwan Sweater Industry Association, “Latest Trend of Innovative Wool Textile” by Taiwan Wool Textile Association, “Joint Efficiency of Fashion Detox and Green Textiles” by Jintex, and many more on advanced fibers, new technologies, and market trends.

### **TITAS 2017**

Thanks to the continuous supports from participants, visitors, brands and retailers from around the world, the scale of TITAS is still growing year by year. The Show will welcome you again next year on October 16-18 with even more innovative products and technologies!

## **TITAS 2016 Product Highlights from Taiwan Exhibitors**

### **FORMOSA PLASTICS GROUP**

The collections presented by the Formosa Plastics Group are centering around the theme “Smart, Stylish, Sustainable and Innovative”:

### **FORMOSA CHEMICALS & FIBRE CORPORATION**

Fiber-grade PP pellets by Formosa Chemicals and Fibre (FCFC) feature light weight, quick dry, thermal, easy to wash, chemical resistant and eco-friendly. The PP faux suede is highly recognized by both domestic and overseas clients. FCFC also introduces colored rayon CRAYON® and its leading ultrafine denier nylon filaments.

#### **FORMOSA TAFFETA CO., LTD.**

Formosa Taffeta launches its protection and health-oriented smart clothing. Other exhibits include 4-7D functional fabric Ultra Light, 10-15D polyester and nylon ultra light fabric Zero Weight, natural-like fabric series Fuse Yarn, pigment prints AQUAOFF\*, AQUAOFF\* Waterless Eco-dyed fabric, and recycled bottle polyester fabric BOOMETEX®.

#### **FORMOSA PLASTICS CORPORATION**

Formosa Plastics displays carbonized fiber TAIRYFIL and thermal, bright colored flame retardant acrylic fiber with soft touch.

#### **NAN YA PLASTICS CORPORATION**

Nanya presents green textiles such as biomass fiber BIOPET and solution dyed yarn CHROMUCH; temperature-management materials such as heat-blocking SUNSHIELD fiber and thermal fiber WARMPLUS; comfy and stretch materials such as the conjugate stretch yarn SPANFIT; and mechanically elastic yarn TOPFIT developed especially for knits.

#### **FAR EASTERN NEW CENTURY CORPORATION**

FENC introduces DynaFeed, a new generation of smart textile technological solution combining function with I.T., which has won the 2016/17 ISPO Award. DynaFeed incorporates bio-sensing technology and electrically conductive carbon nanotube films to measure vital signs of human body in order to provide intelligent healthcare and training solutions.

#### **TEX-RAY INDUSTRIAL CO., LTD.**

Tex-Ray presents TCool® that can block nearly 70% of near infrared and UV lights and low down temperature by 2~5°C, THot® that can increase temperature by 3~5°C, and a sustainable water-free dyeing technology ECO-lor®. The smart clothing developed by Tex-Ray combines fashion, function and hi-tech to be used for outdoor activities, exercise and training, and remote home care.

#### **ECLAT TEXTILE CO., LTD.**

Eclat, based on the concept of “Intentional knit”, showcases stretchable and functional products for Ath-leisure and All Day Actives lifestyle under 4 types of knits: Dry-lite, Prime-fit, Twist-slug and Refined knit.

#### **New Wide Enterprises Co. Ltd**

With a core capability in R&D and product differentiation, New Wide Group showcases its breakthrough in performance and eco textiles.

#### **JINTEX CORPORATION LTD.**

Jintex is a producer of specialty chemicals for textile and leather usage. With more than 150 products approved by bluesign®, Jintex is the first ZDHC contributor in Asia. The company works with Swiss company BST to launch a biomass auxiliary collection miDori®. Jintex also develops high-level agents for special function like odor control, antimicrobial, cooling and mosquito proof.

#### **EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION**

Committed in the belief of “Better Chemistry Better Life”, products of Everlight are approved by bluesign® and the company is a ZDHC contributor. Everlight presents digital printing ink Everjet® RT& AT collections and high performance moisture reactive adhesive Evereco® PUR.

#### **KINGWHALE CORPORATION**

King Whale presents a new-generation L.I.T.® (Low Impact Technol-

ogy) yarn that can effectively reduce the use of water, electricity, vapor and colorants in dyeing processes. The newly developed Allo fiber is a concept product of using natural fibers from sustainable resources.

#### **TRI OCEAN TEXTILE CO., LTD.**

Tri Ocean has been devoting to the development of textiles incorporating performance and sustainability, with composite textiles as the latest focus. Products recommended includes 3D DreamFel® filament and its derivative materials Dreamheat® insulation ball, wadding padding and ginning padding, as well as a faux suede Dreamsuede®.

#### **SUNNY SPECIAL DYEING & FINISHING CO., LTD.**

Sunny Special produces fabrics mainly for outdoor, sports and industrial use. The focus now is on multi-functional fabrics through eco-friendly manufacture process. Both plant and products of the company are approved by ISO14064-1, ISO50001, Bluesign® and Oeko-tex®.

#### **HO YU TEXTILE CO., LTD.**

Ho Yu especially introduces their room-temperature printing technology, using gravure printing or sublimation transfer printing to make patterns look more layered than traditional printing process. Other exhibits include a variety of synthetic resin coating compounds and 100% recycled PET yarn series certified by GRS, all emphasizing how the company values our environment.

#### **ASIATIC FIBER CORPORATION**

iQmax, a smart textile brand from Asiatic Fiber, combines fibre with electronics to offer a functional innovative product for use in apparel for a variety of markets. Under its motto Better Care makes for a Better Life, the manufacturer uses a full range of textile modules to create new textile value.