



## THE WOOLMARK COMPANY

Devotes itself in Promotion of Merino Wool

Every year, the Woolmark Company continues to cement the Merino wool's presence in the sport and outdoor wear market. The company collaborates with worldwide leading brands and manufacturers to promote the natural benefits of Merino wool as a high performance fiber.

The merino wool is widely applied to the wool-based layer products and the textile products that are next to the human skin. Many world famous brands of outdoor wear implement merino wool to their innovative products in the new season's collections, which reflects the changing face of the active sportswear market and wool is also becoming more prominent in outerwear apparel.

The wool keeps having an outstanding performance in the sportswear market.

The merino wool can be widely used in the various activities, including the lower impact activities such as yoga, walking, and the higher impact activities such as jogging, athletics, biking, rowing, and the adventure activities such as vertical climbing, nautical activities, and skiing, skating and boarding activities. In the sporting environments, the wool can function to differentiate itself from other fibers. Its natural quality allows wool to have perfect performance, suitable for designing the comfortable and trendy leisurewear.

For more information, please visit its booth at Booth No. M201a.



## TAIWAN WOOL TEXTILE INDUSTRIAL ASSOCIATION

Presents the Latest Trend of Innovative Wool Textile

In recent years, the application of wool in textile production has a stunning development. Its unique and superior function has become one of the primary choices as the materials in fashion and outdoor-wear markets. At the same, extremely cold and hot has become a common climate pattern in global weather. How to apply fiber materials and textile technology to overcome this climate change has become an important issue. To keep track of the trend development and latest technology of wool textiles as well as innovate textiles, the Taiwan Textile Industrial Association holds a presentation event of the innovative wool textile and discuss the characteristics of fiber and textile materials for the extreme climate products trading (from 10:00 to 12:00 on October 18<sup>th</sup> at 402 meeting room) during

the TITAS 2017, for driving industrial development, building cross-industry alliance, and developing the high value-added products.

The association invites Dr. Chen, Chin-Lai, the Project Director of Textile Industry Promotion Office to introduce "The trend development of fiber materials under extreme climate." and Mr. Chase Wong, the Executive Vice President of the Chia Her Industrial Co., Ltd. to share the latest development of Innovative performance wool NwoolTec 3.0. Furthermore, all the participating companies jointly showcase new technology and innovative products at this industrial platform. Welcome brand developers, distributors and traders as well as Taiwan's textile manufacturers to join. For more information, please visit its booth at Booth No. N614.

## THE CZECH TEXTILE COMPANIES

Join the Festivities at TITAS 2017

The Czech textile and clothing companies (Central Europe) participate for the first time at the TITAS 2017. A total of 6 Czech companies will offer Taiwanese partners their home textiles, fashion accessories, fashion textiles and technical textile specialties.

Czech textile and clothing industry is comparatively successful. The total volume of sales in the textile and clothing industry for companies with more than 20 employees in the first half of 2017 reached 1,31 billion USD and confirmed the long-term growth trend of this sector, which started in 2010. There is also positive growth in labour productivity, which grew in the textile as well as in the clothing industry.

In the foreign trade of textiles and clothing, as in previous years, imports are higher than exports due to the significant imports of clothing, which are then redistributed from the Czech Republic to other European countries. In the textile industry, a positive trade balance prevails in the long term, but the gap between exports and imports continues its declining.

● APPLYCON company has a great experience in the fields of micro-mechanical solutions and connector technologies applied in wearable electronics by connecting modern electronic modules and their functions to a wide range of special and protective clothing.

● Company 2G Lipov is oriented on production of quilts, pillows, pads and various accessories for sleeping, and in particular upholstery cushions. Interesting is also the medical program as Microstop, Clivie 95, Medicot, Nanoline, Medical pillows, anatomical

pillows, leak proof pads etc.  
● BTTO is oriented on sale of glass yarn, technical textile and textile braiding machines.

● GRUND offers their customers the most innovative collection of bathmats in the global market thanks to cooperation with famous designers, e.g. Luigi Colani and Karim Rashid. The new collection offers beautiful colors and shapes as well as new materials.

● MILETA is one of the largest totally integrated textile enterprises in Europe. The production stages include dyeing, weaving and finishing and selective production of cotton fabrics. A special emphasis has always been given to the production of brocade, damask as well as batiste with satin checks for the foreign markets.

● TONAK is specialized in manufacturing of woolen and fur felt hat bodies, hats, knitted headwear, namely berets, fezzes, hoods, woolen hats and yarn production.

● ATOK Association of Textile, Clothing, Leather Industry is the largest professional association in this sector in the Czech Republic. Within its activities also stimulates new business contacts and cooperation as well as exchange of commercial, economic, statistical and technical information.

In cooperation with the Taiwan Textile Federation and the Czech Economic and Cultural Office in Taipei, a meeting of Czech and Taiwanese companies will be held on 16.17. 2017 from 3:00 pm. to 5:00 p.m. in Hall 1 - Conference Room 4F 404. At the Round Table, Partners can establish cooperation in business and cooperative activities.

For more information, please visit the Booth M136.



## TAIWAN GARMENT INDUSTRY ASSOCIATION

Show the Strength of Taiwan's Top Garment Industry

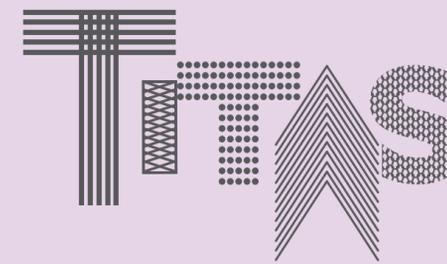
With a long-term goal to establish and promote a joint brand for Taiwan's apparel, Taiwan Garment Industry Association, led by Chairman Lin Rue-Yue, has been actively working on building up an optimal apparel value chain by incorporating the strength of its membership in order to shape Taiwan into a top quality apparel supplier in the world.

For TITAS 2017, the exhibits organized by the Association will showcase the fashion power of its members wrapped

up into two categories, fashion glam and at leisure. Some companies showcase their brands products highlighting Taiwan's trendiness, including DA. AI Technology, Minkwood International, Lian Garment, Texma International. Additionally, some companies present the strength of Taiwan sport and outdoor wear, such as Happy Plastic, Tex-Ray, King's Metal Fiber, Piero Pacco, Hansc, and Feng Shyang.

For more information, please visit the Booth N302.

TAIPEI INNOVATIVE  
TEXTILE APPLICATION SHOW  
2017台北紡織展  
OCTOBER 16-18



Day 2  
Show Daily

## Taiwan's Outstanding Athletes Hand in Hand with

## Taiwan's Textile Industry to Kick off TITAS 2017

Under the auspices of the Bureau of Foreign Trade (BOFT), Ministry of Economic Affairs (BOEA) and organized by the Taiwan Textile Federation (TTF), TITAS 2017 held its grand opening at Taipei World Trade Center Nangang Exhibition Hall on October 16<sup>th</sup>. This year marks the 21<sup>st</sup> edition of the trade fair. To show the government's support for Taiwan's textile industry, BOFT Director General Jen-Ni Yang made a special appearance at the opening ceremony. Among other special guests were the outstanding Taiwanese gold medal winners at the Taipei 2017 Universiade including Ho-Chen Yang in roller skating, Kai-Kuei Hsu in wushu and Chia-Hsin Lee in badminton, and the admirable champion of the 4 Deserts Race Series

Kevin Lin.

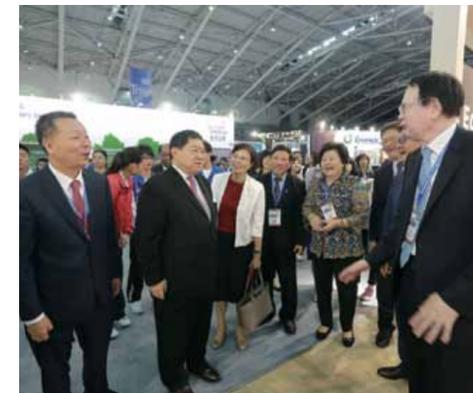
All together there are 383 exhibitors showcasing their latest products and technologies in the show. And TTF has invited more than 100 brands and retailers from abroad to visit Taipei. According to TTF Chairman Cheng-Tien Chan, Taiwan's textile industry has transformed from a traditional industry to a hi-tech and innovative one. Taking on up to 70% of the global high performance textiles market, Taiwan is a major provider of functional textiles for well-known outdoor and sportswear brands. Many Taiwanese textile enterprises have also sponsored clothing for athletes and staff at the Taipei Universiade just held in August, at which Taiwan ranked No. 3 on

medal table.

In her remarks, Director General Yang pointed out that, Taiwan's textile industry is equipped with a complete supply chain and is one of the top foreign exchange generators for the nation; and thanks to the industry's persistence in R&D, we can always expect to see innovative functional textiles at TITAS each year. She further emphasized that, Taiwan's textile export is expected to grow stably in the near future driven by the increasing orders from international brands after their inventory adjustment period comes to an end. In addition, the BOEA has implemented the New Southbound Policy Promotion Plan to assist the industry

to set foot in ASEAN and South Asia regions, as well as actively guides the industry to move forward into the new fields of application in the context of Industry 4.0.

After the ceremony, Director General Yang, accompanied by TTF Honorable Chairman Douglas Hsu and Chairman Chan, visited the booths of Far Eastern New Century, TexRay, Libolon, Everlight, New Wide, Eclat, Tri Ocean, DingZing, Kingwhale, Yi Jinn, Fu Hsun and Wisher, and promised to strive hand in hand with the industry to welcome the coming of a new textile era.



## Huge Potentials for Global Hi-Tech and Innovative Textiles

According to a report by World Textile Information Network (WTiN), an information provider based in Leeds, UK, the global hi-tech and innovative textiles market will grow from 166 billion USD in 2017 to 260 billion USD in 2027 at a CAGR of 4.6%. As indicated by the Cornell University, innovative textiles are revolutionizing the textile industry.

### Smart Textiles are becoming A Part of Our Daily Life

According to the World Textile Information Network, smart textile and clothing market will grow to over 4 billion USD in 2024, of which for the use in outdoor and sports, fitness, healthcare, entertainment, industrial and military will grow at a CAGR of 11% from 2015 to 2021. Some distinct achievements in this area from Taiwan exhibitors are:

- Having developed the smart garment system DynaFeed®, Far Eastern New Century (FENC) continues to expand the system's applications into areas of sport & training optimization, health management and therapeutic recovery. The Company is now keen to cooperate with medical institutions and telecommunication industry to explore business potentials in healthcare IoT.
- Fu Hsun creates new vigor for fabrics through unidirectional moisture transfer

technology, and integrates smart technology into textiles to experience a more comfortable and convenient lifestyle.

● As a pioneer in wearing technology, TEXRAY is now equipped with a fully integrated supply chain to offer various applications in sports and training, outdoor and leisure and telecare. By incorporating athleisure and intelligent performance into daily life, TEXRAY wants to elevate consumers wearing experience.

● Taiwan Textile Research Institute (TTRI) displays its R&D achievements of Technology Development Programs (TDPs), including smart textiles, distance woven fabric, graphene technology, polyimide application, energy-saving drying system with automated intelligence and active electroluminescent textiles.



### Taiwan's Sustainable Textiles are well recognized by Global Brands

Thanks to consumers' environmental awareness leading to a booming green economy, the market for eco textiles is expected to grow from 4 billion USD in 2016 to 6.5 billion USD in 2027 at a CAGR of 5.1%. Some of the representative products from Taiwan exhibitors are:

- FENC offers PFC-free solution with TopClean® (soil release filament) and TopDry® Zero (durable water repellent filament) series, two entirely new polyesters that eliminate PFC pollution without compromising performance.
- LIBOLON group introduces Eco-flying, a system of recycle and re-use, emphasizing the technology of product recycling.
- Tri Ocean actively develops highly technical fibers. Its DreamFe® is a high performance yarn (PP filament) made via a low temperature, low energy consumption process with no issue of waste water and is biodegradable.

● New Wide Group displays Eco-Poly, OP dope dyed yarn, Cooling fiber and Cocona coconut carbon fiber which restore raw materials back to their nature and are manufactured in eco production systems.

● Kingwhale's L.I.T.® (Low Impact Technology) yarn, by modifying molecular structure of polyester fiber, is able to accept dyes more readily and thus consume less electricity, thermal energy and water.

● Following the development of patented technologies Stone Cold® and Coffee Charcoal®, Grand Textile now works to develop bags made with recycled polyester yarns, successfully transferred 25% of its orders to use recycled polyester yarns. Grand Textile introduces Color Max steam dyeing solution that is more eco-friendly. The technology is unique in its graduated and tie-dyed effects and textures in contrast to traditional steam coloring.



### New Frontier for Functional Textiles Applications

As far as the application of hi-tech and innovative textiles is concerned, the global high performance textiles market for personal safety and protection will reach 20.3 billion USD in 2017. In the medical sector, the global market reached 12 billion USD in 2016, and is expected to reach 20 billion USD in 2026 at a CAGR of 4.9, of which the Asia Pacific region is considered the area with the fastest growth rate due to the high demands in fitness and healthcare industries. Some examples of Taiwan's innovative functional applications are:

- Eclat introduces a concept called "Intentional knit" for its flexible performance knitted fabric, aiming to offer pleasant sporting experience and create new product value.
- Everlight's product highlights include

its Everjet® RT&AT Ink for digital printing, Evereco® PUR for high performance textile lamination, and Evereco® PUD for fabric lamination and surface treatment that can be used for outdoor and other applications.

● DingZing has developed Duopel, a waterproof, breathable fabric using Duopel membrane which can also be printed in various colors for fashionable and stylish design needs.

● Yi Jinn Group has successfully substantiated its product differentiation strategy and showcases the latest products from its subsidiaries, including polyester partially oriented yarn/fully drawn yarn from Hung Chou Fiber, drawn textured yarn from Yi Jinn Industrial and woven fabric and gray cloth from Kwang Ming Silk.



## WIDEPLUS

### Non-Stop Trend, Non-Stop Creative of WidePlus

WidePlus international is a fabric manufacturer and supplier of performance fabric. Its mission is to provide a global fabric sourcing platform and build up a trust relationship between brands and global customer.

The company is factory direct. Their own production center from warping, weaving and dyeing, provide more efficiency way and flexible manufacture for the Lead-time, and their capacity is 3.5 million yards monthly.

WidePlus look further ahead they remain optimize their products and maximize the potential of every fabric in any textile categories not only fashion or casual but also industrial applications.

"Create Lasting Value" is their core corporate culture, the company love fabrics and love their environment and to get the double-win goal with their clients.

For more information, please visit its booth at Booth No. N814.

## FU HSUN FIBER

### Gives a New Look to the Recycled Textile Materials

To further realize the true concept of environmental protection, Fu Hsun fiber introduces its new products in TITAS 2017, which not only give a new look to the recycled materials but also the products will create a closer link to life.

In TITAS 2007, Fu Hsun's recycled fiber products showcase three major categories, namely recycle and re-use sustainability and LifeSmart. The recycled materials with competitive price can turn into various fabrics which can be recycled and reused. The company gives fabric a new look with its exclusive textile technology. It manufactures products with multi-functions, such as moisture management, active thermal, water repellence, lamination and Bi-

stretch. Users can experience the smart life with such an advanced textile products, making life more comfortable and healthy.

In addition to that, the company provides a wide range of fabrics, such as Terry Fleece, Polar Fleece, Long Pile Plush, Brushed Tricot and Mesh Lining. Fu Hsun offers every product that one needs to construct the ultimate engineered garment that will stop the elements cold in their tracks. The blistering performance and technology in its fabrics guarantees that users are always warm and dry. These fabrics can be used for different seasons, which are lighter, softer and more comfortable to wear. For more information please visit the Booth N607a.

## BE BE COTTON

### The Best Green Efforts

At BeBe Cotton, they have taken a major step in building a gland new dyeing mill focusing only on eco-dyeing. The new mill does not only facilitate the production of the natural dyeing fabrics they have been promoting for the past few years, it also incorporates the AVITERA™ SE dyestuffs from Huntsman.

With AVITERA™ SE dyes, the dyeing and the washing-off process is required to operate at a maximum temperature of 60°C rather than the 90°C in typical dyeing process. Dye adsorption is very high and with only five percent or less unfixed dye needing to be removed, instead of the usual 15 to 30 percent, the number of rinsing baths to obtain the required

fastness properties is greatly reduced. The combined result is a significantly reduced water and energy consumption and CO<sub>2</sub> emissions for the dyeing processes.

The new mill is made possible with a strong support from the Industrial Development Bureau of Ministry of Economic Affairs, Taiwan. The mill features dyeing machines of 30 kg, 50 kg and 200 kg exclusively for natural dyed and eco-dyed fabrics from BeBe Cotton. Their new mill is reviewed and their eco-dyed and natural dyed fabrics granted GOTS certification in 2012.

For more information, please visit the Booth M1301a.

## GET GREEN ENERGY

### The Smartest Down Alternative Ever

EnAir® synthetic insulation is inspired by the hollow structure of polar bear hair. It's lighter, warmer, has great temperature and humidity management capability. And there are also many kind of advantages, antibacterial, deodorant, high breathability, no pilling, no migration, quick dry, hypoallergenic and skin friendly, great recovery and machine washable. EnAir® synthetic insulation is also water repellent which absorb very little moisture to maintain high thermal performance in both dry and wet. It is the most intelligent insulation ever!

EnAir® synthetic insulation offer several kinds of thermal protection.

It is highly permeable, light, soft touch

and allows you to feel ultimate comfort in any activity and climate.

It can be used in outerwear, sportswear, city casual, hunting wear, military equipment, and insulated accessories.

- EnAir® Vertical-Great Recovery, Great Breathability, High Loft and Soft.
- EnAir® 313-Superior Soft Feel, Ultralight, Thin and High Warmth, Easy Stretch, Freedom of Movement.
- EnAir® Original-Great Thermal Performance, Deodorant and Antibacterial, Superior Durability.

For more information, please visit the Booth M806.

## MAXLAND SPORTSWEAR

### Puts Quality and Customer First

Started in 2001, their primary product is synthetic woven fabric for technical sportswear and casual wear. In order to stay on trend and satisfy the demands of new materials and finishing, Maxland invest their energy in constant innovation and development so the company can offer customers the best suitable fabrics for extreme weather conditions.

Maxland has a team of highly professional management and technical staff with standardized managing system. They are in a process of expansion, enhancement and incorporating the technological innovations in order to

ensure their customers the best possible quality in technical fabrics.

As a bluesign® and OEKO-TEX® partner, Maxland dedicate their selves to the development of sustainability materials such as recycled polyester, recycled nylon, PET membranes, and, of course, PFC Free DWR. The company has faith that as long as keep innovating and taking full care of their quality, their customers will be the biggest beneficiaries.

For more information, please visit its booth at Booth No. M429a.

## SUNNY SPECIAL DYEING & FINISHING

### Supply Green, Save Green!

Durable water repellency is one the most commonly practiced performances in technical textile world. At Sunnynet, they take pride in their ever evolving workmanship in special finishing and strive to achieve the most outstanding DWR technology in the market.

Apart from the great success the company had in the PFC-free DWR finishing launched in 2015; this year, Sunnynet have taken a further step to exceed the durability on current C6 DWR

technology. Its latest ultra-durable water repellent technology, SolaPel repels water effectively after continuously 24 hours laundering which equals 120 times washing. It does not only elevate the performance and durability of water repellency extensively, the company also believes it minimizes contamination of fluorocarbon into their environment by remaining most of DWR chemicals on textile after laundering.

For more information, please visit the Booth N1013a.

