

Highlights of Exhibition >>



Tri Ocean Showcasing the Incredible DreamFel®

Established in 1968, Tri Ocean operates on the basic concept of keeping performance and environment in balance. With a focus on the development of high-tech fibers, the company is a vertically integrated manufacturer with an operation from filament extrusion, yarn texturizing, fabric weaving and finishing to apparel making.

Tri Ocean's long-term commitment with DreamFel® production, research and developments has become more sophisticated. DreamFel® is environmental friendly, lightweight, quick-drying, excellent warm retention, naturally hydrophobic, strong color fastness, stain-resistant, easy to clean, and good chemical resistance.

In the present days, Tri Ocean has developed even more technologically advanced textile materials based on their DreamFel® R&D. In 2016, Tri Ocean has launched the following:

3D DreamFel® are developed by Tri Ocean to then make it into their

Dreamheat® insulation ball, Dreamheat® wadding padding, and Dreamheat® ginning paddings. By using DreamFel® as its base material, it offers superior heat retention, light weight, and naturally water repellent. This filler material can be used in thermal insulation for clothing beddings.

Dreamsuede® faux suede. The biggest drawback of polyester fiber suede is that the reduction of the fibrillation process is difficult to control the rate of reduction, resulting in unstable color fastness during the dyeing process, in addition to its low color fastness and low abrasion resistance, it can only offer poor plain and simple color or designs. Dreamsuede® however, can utilize DreamFel® solution dye process, and create faux suede that is not only offers superior color fastness, but can also create multi-color strips and even plaid pattern designs.

For more information please visit the Booth M729.

Sunny Special Dyeing & Finishing

Environmental Processes Functional Textiles

Sunny Special Dyeing and Finishing was founded in 1984 and has been contributing in sustainability and environmental friendly production ever since. The company's products include synthetic functional woven and knits fabrics and range from apparel for Outdoor wear and Sportswear to Industrial purpose fabric. Their summer fabrics include light weight, stretch, wicking, cooling, UV protection, anti-bacterial, and odor free; as for their winter fabrics, including durable water repellent, windproof, waterproof, down proof, breathability, and thermal regulation. Sunny are also directly authorized from Invista® to produce international brand.

Its products are marketed worldwide and available in various of functionalities, including wicking, PFC-free durable water repellent, UV protection, anti-bacterial,

and breathable waterproof coating and lamination. Their manufacturing plant and products are approved by ISO14064-1, ISO50001, Bluesign® and Oeko-tex®; they committed to the highest level of consumer safety and the continuous improvement of environmental performance in their production process.

Sunny has devoted massive amount of resources into energy efficiency and carbon reduction regarding their production process; approximately 30% of water and heat energy usage are reduced from their energy saving facilities. Sunny will persist their path in sustainable production and minimize impacts to people and the environment while manufacturing the highest quality functional fabrics.

For more information please visit the Booth N1013a.

Kingwhale Corporation Innovative Product "Allo Fiber"

Kingwhale is a leading developer of performance fabrics and garments in the global apparel industry. Established in 1992, the company integrated entire production process from yarn texturizing, knitting and dyeing, to the finished garment. Kingwhale utilize the latest materials, machinery and technologies for diverse range of functional fabrics.

Its research and development are emphasized on innovation and refining manufacturing practices that requires less resource from their mother nature because they have made a commitment to their planet. The concept of L.I.T.® (Low Impact Technology) goes beyond recycling to explore and implement textile

science. It is a revolution of material and technology. By modifying molecular structure of Polyester fibers, the yarns are able to accept dye more readily, consuming less electricity, thermal energy, and water. This eco-friendly process allows it to create performance fabrics, yet reduces the negative impact on their environment.

Their philosophy is simple apply the highest standards of durability, flexibility, multi-functionality, and execute seamlessly from design to delivery. This guiding principle maximizes business value and competitiveness in every strand.

For more information please visit the Booth M611a

Everlight Chemical Better Chemistry Better Life

Started as a manufacturer of reactive dyes, Everlight strongly believes in "Better Chemistry, Better Life." In over four decades of the company's history, Everlight has been persistent in believing that toxic free chemical products are the foundation of sustainable growth. As consumers in Taiwan become more and more environment-conscious, rather than moving facilities abroad, Everlight unwaveringly upgraded its production sites in compliance with stringent European and American environmental regulations with state-of-the-art equipment and technologies. It also pioneers in adopting green accounting system, taking environmental costs into account as one of the most important factors in making production decision. In addition to the commitment to sustainable development and consistent quality, Everlight prides

itself to be "the doctor for dyeing mills." Besides pursuing technical innovation, Everlight also values technical services. More than just selling dyestuff, they provide solutions to relevant problems their customers may have. Their service teams reach out to various corners of the world and enjoy high customer loyalty, "said James Chen, President of Everlight. As a provider of dyes and colorants which play an important role in the textile industry, Everlight has the opportunity at TITAS to meet some very important international brands and retailers who are the signatory members of ZDHC (Zero Discharge of Hazardous Chemicals), and becomes their business partner. At TITAS 2016, Everlight will feature Everjet® RT and AT ink series for digital printing.

For more information please visit the Booth N213.

Hung's Fortune Excellence of Unique Textiles

In 2003, Sam Hung took his more than 20 years of experience in the Taiwan textile industry and founded a new company, HFI. Fourteen years later, as the managing director of HFI, Sam is more committed than ever to ensure that HFI is a company capable of partnering with their clients to provide the highest quality, highest performance fabrics available in the marketplace. HFI provide textiles and textile solutions.

development and integrates the latest technologies to satisfy the high demands of our global partners. HFI supply a wide range of Outdoor Fabrics, specializing in Technical, Functional, Sustainable Textiles as following categories: Sustainable Textiles, Softshell, Downproof Textiles, Mid layer, Technical knits.

For more information please visit the Booth M308.

Be Be Cotton New Developed "Free Cut"

Be Be Cotton promises to investigate and develop new items and continues to provide innovative fabric for lingerie. The company applies high gauge knitting machine (36,42,54G...) to create the fabric with quick absorption and diffusion" and also use high count cotton (80,100,120s...) to knit with polyamide or polyester fiber that make the weight lighter and surface smooth. The "Baby Cotton", a permanent cooling fiber, and the Skin Comfort Fabrics, which applies two different properties of yarns, natural yarns such as cotton for inner layer and synthetic yarns such as nylon, polyester or acrylics for outer layer, and combining with elastic yarns to form a solid 3-in-1 sandwich texture, are signatures of the company.

However, thanks to the advanced technology, BEBE COTTON released "FREE CUT" to the market in 2016 that boasts of having the "SIMPLE" features: Soft hand feel, Invisible wearing, Minimal living, Pure design, Light weighted and Evolved making. Moreover, the knitted yarns are completely sealed that fabric can be cut freely, without edge fraying or slough off. Unlike the conventional making of clothes, no more binding is needed on the arms, neck or bottom of a garment piece. Plus, the natural materials provide breathable and smooth characters to give ultra-comfortable skin touch feeling in wearing.

For more information please visit the Booth M605a.

TAIPEI INNOVATIVE
TEXTILE APPLICATION SHOW
2016 台北紡織展
OCTOBER 17-19



Day 1
Show Daily

TITAS 2016

Speaks to the Paris Agreement by Showcasing Climate-smart, Sustainable and Intelligent Textiles

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. The center of the Show this year focuses on sustainable textiles within a circular economy and innovative textiles adaptive to intelligent applications, reflecting international market and consumer trends.

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 participating nations are Japan, South Korea and China. Delegation from city of Kiryu in Gunma, Japan continually joins the event to promote its artistic Kiryuorimono textiles. First timer emtec from Germany is a leading brand in fabric softness measuring instruments, while Polygiene, a Swedish brand as well as a leader in odor control technology, will again bring in its latest applications.

Sustainable Textiles Speak to the Paris Agreement

Benefiting from a comprehensive and complete textile supply chain together 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. 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.

Business Meetings - Always a Highlight

Nearly 100 international brands from 21 countries are invited to visit the Show this time, and more than 1,000 one-on-one business meetings are expected in 3 days. 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 from US, Vigilante from Australia, Sanfo from China, Craghoppers from UK, Elklime 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 invited this year. Among them 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.

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!

2017-2018 Fall and Winter Fashion Trends



Sponsoring Authority



Organizers



Highlights of Exhibition



Formosa Plastics Group Smart Fashion with Sustainability

For TITAS 2016, Formosa Plastic Group takes the theme of "Smart Fashion with Sustainability" for its pavilion to reflect its determination to implement green policy while presenting high-quality, high-tech and high-value textiles.

In 2016, the The FPG (Formosa Plastic Group) pavilion at TITAS 2016 is a joint exhibition from Formosa Chemicals & Fibre, Formosa Plastics, Nan Ya Plastics and Formosa Taffeta. The pavilion features seven image areas -Lightness, Greenness, Energy,

Trend, Creativity, Glamour and Warmth – all to highlight the group's latest textile collections and their comprehensive applications. FPG's fiber lines cover cotton, rayon, polyamide, polypropylene, polyester, acrylic, carbon and elastic, all serving as materials for Formosa Taffeta

Formosa Chemicals & Fibre (FCFC)

PP pellets by FCFC feature high crystallinity and narrow molecular weight distribution and are widely applied to fine denier PP multifilament, PP/PE composite staple fiber, and non-woven fabric. The company's heat resistant PP is machine-dryable and durable with quality recognized by domestic and international customers.

Formosa Chemicals & Fibre has also developed CRAYON®, a rayon fiber with bright color effect, color-fast, non-fading properties that require no additional color finishings. It not only saves cost of coloring but also eliminates the problem of pollution. CRAYON® can be used for wipes, garments, lining, plastic-based fabrics, and hygiene purposes.

As the leader in ultra-fine tenacity filaments, Formosa Chemicals & Fibre has developed functional filaments that are lightweight, ultra soft, permeable, and color-fast, fulfilling the market needs of lightweight, fashion, and functional products. Formosa Chemicals & Fibre has accumulated more than 30 years of experience in nylon 6 polymers, industrial

polymers, and nylon 66 polymers. Fabrics developed by Nylon 66 in 2016 have brought positive feedbacks from business partners. Fabrics developed by Formosa Chemicals & Fibre are trendy, unique, and functional along with full applications for various industries.

Functional fabrics developed by Formosa Chemicals & Fibre incorporate pp pellets in the dual-layer fabrics. Moisture can be fully ventilated. The fabrics are anti-perspiration and quick drying, perfect for sports wear and active wear. Fluorine-free fabrics are water repellent even after more than 30 washes. Clothes stay clean, fresh, and offer protective functions. The 35D-45D cotton-like fabrics are lightweight and soft in texture. They are moisture-absorbant, anti-bacteria, and odor-proof. These fabrics also offer down-proof and wind-proof properties that are excellent for light jackets, active wear, and shirts. Stretch fabrics woven by air jet looms offer soft texture, volume, and cottony touch. These fabrics are durable, comfortable, moisture-absorbent, and water-repellent, excellent for outdoor and active wear.

Formosa Taffeta (FTC)

SMART CLOTHING incorporates high-tech textiles with bluetooth mobile applications and steps up on wearable technology. Current settings include temperature control and LED color display – features that are safe and appealing. It is also available for customization. SMART CLOTHING can be used in entertainment as well as healthcare as well as other possibilities.

FTC's 4-7D ultra lightweight fabric series boasts an average weight of under 25g/m². A windbreaker made of these fabrics can even be lighter than a lipstick (41g). FTC's innovative combination of high-tenacity nylon materials, sophisticated weaving &

dyeing techniques and topnotch finishing treatments has allowed these amazingly ultra light fabrics to not only deliver water repelling, water proof, wind breaking and down proof functions but also have a look as gauzy as cicadas' wings and a touch as fluid as silk. Furthermore, products made of these fabrics are compact and packable. These versatile, multi-functional fabrics can be made into a broad range of products with diverse styles including outdoor wear, leisurewear and sportswear. Depending on styles and applications, they can highlight either fashionable function or functional fashion.

Nan Ya Plastics (NPC)

BIOPET is a biomass polyester fiber developed by NPC. Rather than the traditional petro-based ethyleneglycol, BIOPET uses BIOEG as its raw material, an ingredient converted from molasses -a by-product during sugar making process-through a fermentation process. BIOPET not only preserves the good properties of polyester fiber but also reduces 15% of carbon dioxide emission compared with polyester fiber using traditional raw materials. CHROMUCH is a new-generation liquid spinning system. The coloring agents for traditional liquid spinning can be grouped into solvent dyes and pigment dyes. The former offers more choices and bright color results, but colors tend to fade after heating processes. Pigment dyes are color-fast but color results are less than optimal and color choices are limited. The new CHROMUCH offers benefits of both. Color dyes can be replaced quickly. And the minimum order quantity is low.

SUNSHIELD is cool, insulation fiber developed by Nan Ya that can be used for outdoor applications. It can reduce the microclimate between the fabric and

Formosa Plastics (FPC)

Tairyfil carbon fiber is a carbonized filament series that has good conductivity and is stronger than steel, lighter than aluminum, and acid and alkali resistant. Its wide applications include sports goods, wind turbine blades, automobile, aircraft, vessel, CNG tank, cable core and construction reinforcement. With an annual capacity of 8,750 tons, FPC offers Tairyfil with a full range of specifications including filament tow from 1.5K to 48K, and tensile modulus from normal to high.

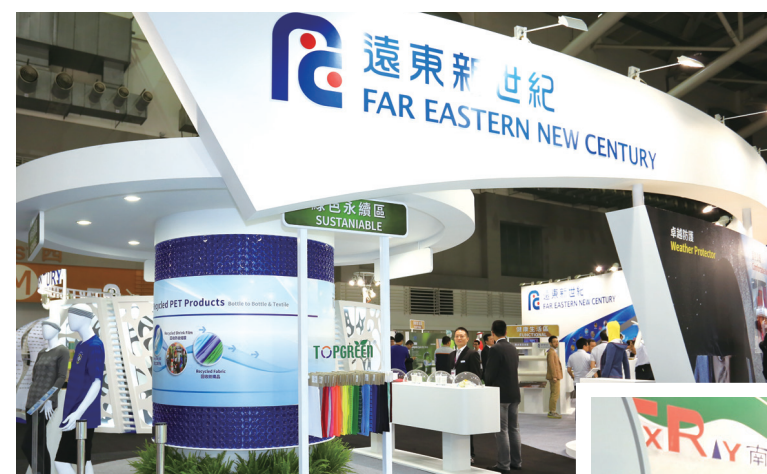
FPC provides a flame retardant acrylic fiber series that retains properties of acrylic fiber including warmth retention, soft touch, good dyeability and color brightness while enhancing its flame

retardancy. During combustion the fiber generates no melting and dripping that could lead to serious skin burns. The series offers regular flame retardant fiber and high performance flame retardant fiber with limited oxygen index at the range between 29-33%. These fibers can be used alone or interwoven with wool or cotton to produce fabrics that reach the comfort offered by natural fibers and the durability of synthetic fibers while maintaining the flame retardant function. Now a flat flame retardant fiber is available from FPC. An excellent material for artificial fur, the flat fiber is functional, fashionable and warmth-keeping.

skin by 1.3°C. In addition, WARMPLUS™ is Nan Ya's newly introduced "temperature retaining fiber" that can absorb external energy and transform it into heat. WARMPLUS™ has special ceramic particles and nano carbon particles that bring excellent temperature retaining results in compared to other processed fibers.

SPANFIT is elastic long fiber developed by Nan Ya and has been developed with special composite technology that gives polyester fiber the outstanding elastic effect. At the same time, more specifications are now developed to provide a dull luster, better elasticity and soft touch texture for applications in outdoor and sports wear.

TOPFIT is a mechinemade stretch yarn developed for knitted fabrics. Traditional knit fabrics have excellent stretch on its warps, but the elasticity from weft knitting is often less than ideal. The newly developed TOPFIT stretch yarn provides better weft stretch so the fabrics have better elasticity. These yarns are also snag-resistant and better in UV protection.



Far Eastern New Century Leader in Smart Textile and Design

Far Eastern New Century (FENC), a global leader in smart textile and design, unveiled DynaFeed™, the next generation smart textile solution using advanced conductive polymer matrix on 24 January 2016. This innovative solution propelled FENC to win the internationally acclaimed Gold Award at the 2016/2017 International Fachmesse für Sportartikel und Sportsmode [ISPO]. By combining advanced biosensor technology solutions with FENC innovative ultra-thin conductive carbon nanotube based polymer film, DynaFeed™ accurately measures vital heart rate and motion data in a simple and cost efficient manner, eliminating complexities and high costs of additional gadgets.

At TITAS 2016, FENC will launch its first 100% bio-polyester T-shirts in the world. It developed by Far Eastern New Century not only demonstrates that the polyester can be made entirely from plants, but shows strong research ability and environmental friendly corporate image of FENC.

Highlight products this year include the Water save and waste save dope-dyed colour yarn, the health-oriented anti-static thermal fiber Sunex®, the power-conserving luminating fiber TopLumins® for protection effect in the night, and TopDry®, a unidirectional moisture guiding and quick drying fiber co-developed with 3M. Furthermore, addressing to end users' increasing request for sustainable functional textiles, FENC offers the eco-friendly waterproof and breathable film FETretch®, which

is different from the traditional solvent-based PU film, to its brand partners.

Emphasizing innovation, functionality, trendiness and uniqueness, FENC's green textiles are used for sports, outdoor, leisure and under wear. FENC is specialized in producing specialty yarns with well-equipped sample/production lines, and the sourcing ability of integrating worldwide functional or fine denier staple fibers including nature fibers, wool, polyester, viscose, nylon, acrylic...etc. With know-how for ratio-perfect blended fabrics, top-grade dyeing technologies, and sophisticated facilities for finishing treatments, FENC is fully equipped to develop advanced products with the latest technologies and focus on producing knitting fabrics by combining different features with excellent performances. This year FENC developed innovative raw materials and finishing, that can give a variety function on fabrics with inspirational sustainable initiatives.

Multi-Functional Smart Clothing R&D has a Deep Well Received

TextRay known for its globally strategic business model, is a prominent textile group in Taiwan with sales and production network covering North America, Africa, China and South East Asia. With well-organized vertically integrated supply chain, TextRay supplies services including design, R&D, yarn dye, knitting, dyeing & finishing, bonding, laminating, garment and home textile. To cope with the marketing demands, TextRay always puts the innovative hat on for functional materials and new e-WEAR technology. Due to rapid changes of global environment, TextRay is dedicating to developing sustainable green products as well as high performance fabrics.

TCool® can block 70% of the sun's rays, at the same time it effectively cools

down for approximately 2~5°C lower than regular polyester fabric. Leading brands such as FILA and Majestic Japan has applied TCool® fabric into their new product line.

ECO-lor®, an anhydrous dyeing technology, is developed for the sustainable eco-friendly idea. Not only can it effectively reduce the use of water and energy sources but can reduce carbon emission in order to maintain ecological balance and protect the environment.

Besides the eco-concept, Eco-lor® also has an outstanding property for its excellent color fastness.

For more information please visit the Booth M420.



New Wide Group Showcase Diversity and Creativity of Knitting Fabrics

New Wide Group emerged from New Wide Enterprises Co., Ltd. which was established in 1975. Driven by the operation policy - Quality Assurance, Product Innovation, Quick Response, Corporate Social Responsibility™, Tony Huang, President of New Wide, has built a solid foundation for the company that started from producing circular knits. Over the four decades, New Wide has gradually expanded into apparel, dyeing and finishing business, providing one stop for all" value chain services. Now the Group has turned into an international enterprise by leveraging its globally and vertically integrated advantages.

R&D is one of New Wide Group's core competitive advantages. They are devoted to the production of new knitting fabrics-from new materials to high-tech finishing. The latest fashion trends, combined with the demand for functional fabrics and eco-friendly fabrics, are the key drivers in developing new textile materials. All of these breakthrough materials and technology support New Wide Group's capability for producing thousands of innovative items every year, which is outstanding industry performance by any standard.

TITAS 2016 New Wide's exhibits will center on apparel to showcase diversity and creativity of knitting fabrics. For more information please visit the Booth M810.

JINTEX Group

Greenpeace International has been firmly committed to the promotion of pollution control and care of their planet for many years. The non-profit organization also advocates toxic-free production and discharges as well as protection of the environment and human health. This whirlwind of detoxification has now also reached the textile industry. Toxic-free fashion concepts are receiving growing attention worldwide.

JINTEX Corporation is the leading manufacturer of textile and leather specialty chemicals. The company has made dedicated efforts in the field of green chemicals for many years. Various non-toxic, green products that conform to EHS (Environmental friendly / Health / Safety) principles have been released in quick succession. In addition, JINTEX



Eclat Textile Release Intentional knit Exhibition Concept

ECLAT is a technology-based textile company, professional functional circular knitted fabric and apparel manufacturer. Their strategic worldwide marketing hubs help to close in on the market, satisfy customer's needs, and streamline the internationally vertical integration from knitting to apparel manufacture for the purpose of offering one-stop sourcing service.

Thanks to upholding product innovation and high quality production technology, their efforts have steadily textile industry acclaim and recognition over the years, and allow us to establish a win-win situation with their loyal customer base worldwide.

To create need and to address informed consumers, ECLAT devised a single piece of message: "Intentional Knit". It refers to fabrics made with reason and purposeful constructions and use. It also suggests knowledge, support and technology.

The Ath-leisure and AllDayActives trends, seamlessly integrating casual, activewear and performance fabrics, those are perfect matching its products line. ECLAT will focus on 4 themes for TITAS 2016: Dry-lite, Prime-fit, Twist-slug and Refined knit.

Responding to globalize competition and challenge, they are committed to investing in their researching and developing that would help to enhance ECLAT's service quality and excel the firm in to an intelligent, innovative and competitive enterprise.

For more information please visit the Booth M820.

Green Chemical Non-Toxic Beautiful New Fashion

launched the miDon® series eco-friendly biomass agents by adopting the Swiss BST (Beyond Surface Technology). The company also constantly adds new high-end processed aids such as odor eliminating and sterilizing agents, cool sensation agents, and mosquito repellents.

For more information please visit the Booth M719.

JINTEX will also invite ZDHC, WGSN and Green Peace to arrange workshops.

- 10/17 (14:00-15:00) Topic – ZDHC 2017 Updated
- 10/18 (10:00-11:00) Topic – 2017 ECO/Functional apparel joint presentation
- 10/19 (10:00-11:00) Topic – WGSN 2017-2018 Textile Trend