



## KINGWHALE CORPORATION

### To Create a Perfect Combination of Technology and Nature

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 texturing, knitting and dyeing, to the finished garment. Kingwhale utilize the latest materials, machinery, 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 M612.

## PREMIERE FASHION

### Production of Various High Value-Added Fabrics

Premiere Fashion is good at making every possibility into reality; they offer variety of customized finish with stable quality. For example, with a simple base fabric, the value can be added by different finish, such as lamination, digital printing, water repellent, etc. Most important of all, Premiere Fashion is a certificate company of bluesign® and OEKO-TEX®. The company cares not only the variety product choice they can make, but also make effort to protect their environment.

2. 5 LAYER-BREATHABLE / WATERPROOF-MERMRANE CERAMIC PRINT, extremely light weight with durable water repellent treatment offer

W/P 10K MM and M/P 3000G/M2 H2O 24HRS. 2.5L ceramic print to improve wearer's comfort by dry touch and breathable function. Thermal fleece -Nice pilling grade, 3D back side structure improve wicking function. Using Nylon 15D x 15D create an extreme light weight fabric. It's only 28gsm suit for any light weight jacket, with lovely tie-dye effect surface. Easy to carry and packable. Content high spandex percentage and high gauge knitting for giving a great recovery effect, cover the whole body completely and won't be out of shape. For more information, please visit the Booth M611.

## SOLIS FABRIC

### Perfection & Innovation

Solis Fabric Technology Company was founded in 1991, is a vertical manufacture from yarn spinning, weaving, and dyeing to lamination, bonding and coating, specialized in High-Tech Performance fabric. Solis is one of the major owners in Taiwan and insists on producing own product 100% vertically in own mill in order to provide customers the top and stabilized quality, also to provide a more competitive price in high-tech textile. As a commitment to provide Solis consumers a safe and environmental product, Solis is certified by OEKO-TEX® 100 since year 1999 and also in addition, Solis has obtained the certification of bluesign® to help the company eliminates harmful substances right from the beginning of the manufacturing!

Solis production lines cover various fabrics for outdoor, sportswear and functional fabrics, including Synthetic Fibers in Woven and Knitted Fabrics, Breathable Fabric as well as other Outdoor Functions such as Anti-UV, Wicking/Quick Dry, Anti-bacterial. Innovative Development Exclusively, Advanced Print Technology. Solis is very confident in offering the best quality and service to own customers, together with own strong innovative capability, launching nearly 1,000 new fabric items each quarter (three months) to meet market demand.

In the future development of the "Apparel Life", Solis will also remember "Perfection & Innovation" as their motivation and soul element. For more informatio, please visit the Booth M620.



## GRAND TEXTILE We Don't Just Make, We Create!

Celebrating its 30<sup>th</sup> Anniversary, 2017 has been a very special year for Grand Textile. New production facility located in Vietnam, Bing Duong province (50min from HCM) will start the very first production in 2018 Q1. Next, a new branch office "Grand Textile Korea" will also be established in 2018 Q1, this branch office is located in Seoul and will provide service to Japan and Korea on their environment.

Apart from new production and office, the most exciting project they are involved in is "Ocean Plastic Project", working with post - consumer ocean plastic waste and successfully converted the material into fabric. They

are also pleased to announce they have successfully converted 25% of virgin polyester orders to recycle polyester; Grand Textile will be looking forward to increase that as they go closer to 2020.

Finally, not just thinking what they do to reduce its environmental impact, Grand Textile also did not stop technology innovations. Its products including Reflective / Glow-in-the-dark/ iridescent / Color Change Materials, Ultra cooling technology "Stone Cold" with extraordinary handfeel, Thermal regulated technology that support ASTM test standard, Tri Color, Dye, "Color Max" Steam Dyeing Solution. For more information, please visit the Booth M511a.

## YU YUANG Specializes in High Functional Textiles

In 1961, Yu Yuang Textile was established in the textile hometown of Hemei Township, Changhua County, Taiwan. With the changes of time, improvement of equipment and contribution of people, Yu Yuang thrives gradually and pursues more hi-end technology, efficient production, and expands its product range step by step.

At TITAS 2017 Yu Yuang not only displays their unique fabric, but also a garment show. So that the customers can understand better what's the final product will look like. They will stand in the customer's position to develop a variety of functional fabrics. In addition, Yu Yuang wants to emphasize their expertise on Jacquard and Printing at TITAS 2017.

A variety of beautiful Jacquard design and colorful printing patterns, all of them can meet the customer's requirements for small volume / diverse types.

To be an international enterprise, Yu Yuang's strategies not only meet market demands for service, quality and price, but they also fulfill their environmental responsibility by manufacturing eco-friendly products that are consistent with bluesign® standards. They particularly emphasize the water re-use and recovery of thermal energy, and exceed international standards to protect their environment. That's why they are proud of their products.

For more information, please visit the Booth M606.

## GRANDETEX New Innovation in Synthetic Yarn

RICH-Y® is GrandeTex new innovation in synthetic yarn. The yarn self-benefit have anti-bacteria, anti-odor, anti-UV, and wicking with permanent function. No add any chemical extra. Safety procedure in dyeing and no worries in water pollution, aim on REACH standard are GrandeTex's SOP always.

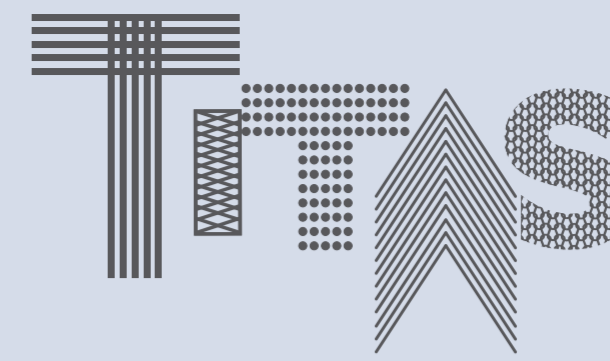
The company adds liquid transition elements into raw material, then yarn spinning incorporates with scientific nanotechnology, yarn itself has anti-UV, anti-bacteria. Besides, because of anti-bacteria, so its odor free with benefit as well. Also have wicking and cooling element adding together to have more benefit from a yarn. This yarn has self-benefited without any extra chemical adding during dyeing process. Also, its

long lasting effect, won't have washing worries as it's non dissolving type, it is insoluble in water. For winter collection, GrandeTex change cooling element to thermal elements to keep customer.

RICH-Y® has innovates synthetic yarn include Rich Nylon material and Rich Polyester material in woven and knitted fabrics. RICH-Y® Yarn preferring be inner side to have its nice performance. Suggest designed for base layer such as sportswear, active wear and golf wearing, clients can feel its nice performance while wearing easily. For washing method, it's same like normal sportswear which has wicking function, very safety and easy understands.

For more information, please visit the Booth M711a.

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



Day 1  
Show Daily

## TITAS 2017

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) now enters into its 21<sup>st</sup> year as one of the most important textile events in Asia. This year participants are from 11 countries and regions including China, Czech Republic, Germany, Hong Kong, India, Japan, South Korea, Sweden, Switzerland and United States as well as Taiwan with a total of 383 exhibitors in 789 booths. With its theme around the axis of smart textiles, sustainability, and functional applications, the event highlights an impressive lineup of companies offering high-tech and innovative textiles, as well as more than 1,000 one-on-one business meetings between over 100 invited international brands/retailers and exhibitors with high potentials for future collaboration.

### Major business platform for both domestic and international vendors

In addition to key players in Taiwan's textile industry such as Far Eastern New Century, Lealea, Li Peng, TexRay, New Wide, Eclat, Jintex, DingZing, Everlight, Kingwhale, Yi Jinn, Tri Ocean and Fu Hsun, Industrial Technology Research Institute, Taiwan Textile Research Institute, Southern Taiwan Textile Research Alliance, MIT Underwear Innovation Alliance, Taiwan Technical Textiles Association and other 15 textile related associations representing various segments of Taiwan's textile chain will also exhibit at TITAS 2017.

## Focuses on High Technology and Innovation Smart textiles, Sustainability, and Functional Applications

On the overseas part, a considerable proportion of vendors are from Japan, South Korea and China. The city of Kiryu in Japan will send a delegation to Taiwan to promote its local woven fabrics; Uni Textile and Mikiriken Industrial will be exhibiting for the first time. From Korea, Daegu Gyeongbuk Textile Industries Association continues to participate this year. There will also be Mainland China pavilions, too. Some other overseas exhibitors include Polygiene from Sweden, Green Theme International from the U.S., Indorama from India, bluesign technologies from Switzerland and EMTEC from Germany.

On top of that, ATOK, the Association of Textile-Clothing-Leather Industry from Czech Republic, will be leading a delegation of 6 members to hold a round-table session with the intention to stimulate business contacts and cooperation between Taiwanese and Czech textile industrialists. With regard to visiting delegations, we will have delegates from VITAS, Vietnam, and China Textile Entrepreneurs Association and Shishi Textile and Garment Chamber of Commerce, both from China.

### Smart textiles, Sustainability, and Functional applications

In response to the textile revolutionary innovation trend, circular economy concept and global climate change, TITAS 2017 takes on three most relevant topics as the theme for this year: Smart Textiles, Sustainability, and Functional Applications in order to showcase the strength of Taiwan's hi-tech textiles and the important role of TITAS as

an exhibition for innovative textiles in the world.

### Smart textile and clothing

Equipped with profound textile know-how and supported by a very strong electronics and high-tech industry, Taiwan enjoys obvious advantages to develop smart textiles and can play a key role in the value chain. Most promising products include nano conductive films with sensors to monitor vital signs and textiles for personal safety and healthcare emphasizing stableness and wearing comfort.

### Sustainable and eco-friendly textiles

Equipped with a well-developed and comprehensive supply chain from fibers, yarns and filaments, fabrics, accessories to finishing, as well as strong R&D ability, Taiwan's textile industry has been striving for the development of sustainable textiles and production processes which can reduce negative impact to the environment. An example is to adopt non fluorocarbon-based water and oil repellents for functional textiles to reduce the emission of VOCs.

### Multiple applications of functional textiles

According to a report by Research N Reports, an American market study company, the global consumption of innovational functional textiles is estimated to reach 34 million tons in 2017 and will reach 57 million tons in 2027 at a CAGR of 5.3%. Functional textile companies in Taiwan are now

able to provide products that can increase blood oxygen content as well as a variety of fabrics that are lightweight, down proof, high tear resistant, high abrasion resistant and durable water repellent.

### Major side event: one-on-one business meetings

At TITAS this year, representatives of approximately 100 international brands and retailers from 20 countries will be meeting with the exhibitors in more than 1,000 business rendez-vous for possible collaboration. Delegates from many professional outdoor or sports brands will attend TITAS this year for the first time, including MANDUCA, BLACK DIAMOND, RAIDLIGHT, YONEX, HONMA, and TITTALLON. Now performance textiles are widely used in fashion clothing, fashion brands such as BURBERRY, COACH, RALPH LAUREN and PERRY ELLIS have become regular heavyweight buyers for TITAS.

### Insightful seminars and product presentations

All together there will be 14 seminars organized by TITAS this year, which include: Evolution Tendency of Smart Textiles by Taiwan Textile Federation, together with more discussions on latest fiber and technology trends.

### TITAS 2018

TITAS has become an annual meeting point for professionals to explore, talk and source innovative and sustainable textiles. We look forward to seeing you again next year on 16-18 October.

## 2018-2019 Fall and Winter Fashion Trends



Sponsoring Authority



Organizers



## Highlights of Exhibition >>>



### FAR EASTERN NEW CENTURY

#### FENC® DynaFeed® Sport / Health / Therapy

FENC® DynaFeed® is a revolutionary smart garment system that seamlessly connects the textile and digital worlds. DynaFeed® empowers users by providing precise interface between the body's physiology and digital applications in sport & training optimization, health management and therapeutic recovery.

● FENC® PFC-Free Solutions (TopDry® Zero and TopClean®)

FENC® PFC-Free solution with TopClean® (Soil Release Filament) and TopDry® Zero (Durable Water Repellency Filament) products, two entirely new polyesters that eliminate further PFC pollution without compromising performance.

● FENC® TopGreen® Membrane

By utilizing the post-consumer recycled PET bottles as raw material, FENC® TopGreen® Membrane - a polyester based waterproof breathable membrane, reduces the damages of their planet without compromising the performance.

● FENC® Water Free Dyeing

FENC® has pioneered the use of

supercritical carbon dioxide (scCO<sub>2</sub>) for a water-free dyeing process. FENC® Water Free Dyeing not only eliminates waste water but also significantly reduces the energy use and time required to dye fabrics.

For more information, please visit the Booth M106.

FAR EASTERN NEW CENTURY will be debuting FENC®'s vision of how to create a better tomorrow in their new-product announcement series. Talks explore innovative solutions to facilitate brands for more sustainable and intelligent textiles. Please join the company at booth M106 at the following times.

- ◆ 10/16 11:00 Internet of textile  
Smarter-er solution for a smarter world
- ◆ 10/16 13:00 Our sustainability solution  
Leaving a better world for generations to come
- ◆ 10/17 11:00 Advanced Filament Technologies  
Simplifying complexities amplifying possibilities

### DINGZING ADVANCED MATERIALS

#### New High Performance Finished Fabric- Duopel

Drawing on over 35 years of R&D technology, DingZing has expanded into the high performance finished fabrics area with the premier of Duopel, its waterproof, breathable finished fabric solution available in an array of colors. Duopel, in addition to its high performance breathable, waterproof and durable features, can also be printed in various colors for fashionable and stylish design needs. Duopel also seamlessly integrates with other fabrics and materials, providing brand owners with flexible design solutions for outdoor accessories and sportswear finished fabrics.

Duopel fabrics are made from TPU waterproof, breathable film and can be applied to any kind of fabric. It is also an environmentally friendly biodegradable material that can be recycled and the perfect replacement for ePTFE applications. To demonstrate the radiant and eye-catching applications that are

possible with Duopel, leaving behind the typical boring selection of colors available for outdoor accessories, DingZing invited six design teams to create finished products using Duopel in their designs, thus providing all new design options for outdoor performance and style. Duopel can be printed and can be produced in a wide array of colors, thus providing even greater design options.

DingZing, a manufacturing company specializing in TPU (Thermoplastic Polyurethane Elastomers) production, has adopted an integrated production model that allows us to provide customized services for customers in different industry areas. They also provide real-time services for their customers via their global marketing channels, continuously expanding into diverse industrial applications through collaboration with its customers. For more information, please visit the Booth M220.



### ECLAT TEXTILE

#### Exhibition of New Concept of Intentional Knit

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.

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 Me time trends, Eclat creates components for people to live longer, healthier and more fun. If their products can keep people active and stress-free, they believe the world

will become a much better place.

ECLAT will focus on 3 themes for Titas 2017:

● Relax: Provide nice touch and comfort concept, so that consumers can feel relax.

● Connect: High performance concept for wind proof and DWR to meet the outdoor and casual request.

● Play: Play for yarn & patterns to reveal various and advanced jacquard knowledge and technical support.

Responding to globalize competition and challenge, they are committed to investing in its 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.

### YI JINN GROUP

#### Joins the TITAS 2017

Engaged in the textile business for 36 years, Yi Jinn Industrial Co., Ltd. has gone through the peak period of Taiwan's textile industry and has now transformed itself for further growth. In this exhibition, Yi Jinn Group will showcase its complete and consistent division of production process. Products to be displayed include the polyester Partially Oriented yarns / Fully Drawn Yarn from Hung Chou Fiber, Draw Textured yarns from Yi Jinn Industrial and the weaving fabrics and gray cloth from Kwang Ming Silk.

The Group has obtained several certifications, including the "ISO 14001 Environmental Management System, "the "OEKO-TEX® Standard 100 for Eco-textiles" and "Global Recycled Standard, Version 3.0" to prove the high quality of its products, which are sold to the world market under the brand names of HUNVIRA and SEA GULL.

This year, they work closely with New Wide Group to join the well-known supply chain of 37.5™ Special Volcanic Polyester Fiber Production. The 37.5™ technology can increase the water release mechanism for natural fiber, reduce the micro-climate humidity level, and improve the comfort of clothing. Mr. Haggquist, owner of

the 37.5™ technology, said that unlike the traditional wicking, the 37.5™ technology can first prevent sweating by temperature regulation and then quickly remit and evaporate the sweat through two functions: (1) Materials that use the 37.5™ chnology can absorb water from the skin by electrostatic force and drain it from the skin to provide a dry microclimate environment; (2) The material can absorb the natural infrared energy emitted by the body, so as to accelerate the thermal movement of molecules to speed up the evaporation of the body. In the future, Yi Jinn Group will not only continue its devotion to the development of differentiated new products but also actively strengthen its connections with world's clothing and apparel brands through the collaboration with New Wide Group and 37.5™.

For more information, please visit the Booth M130.



### TEX-RAY RAY's Series of Functional Products

TexRay Industrial Co., Ltd, the textile conglomerate with global production bases and offices located in North America, Africa, China and South East Asia, is prominent for the unprecedented vertically-integrated supply chain service including from design, R&D, Functional yarns, fabrics, laminating to garment and home textile...etc. Innovation is always the foundation to TexRay's business empire. For years, TexRay has dedicated to innovative development, especially on fields like Smart Textiles, Functional Materials, Sustainable Materials with the aims to incorporate the athleisure and functionality into daily life and to cope with different environmental and user scenarios in an eco-friendly methodology.

With rapid evolution of the technology and internet, Smart clothing market resonates with many companies for investment. As a textile pioneer, TexRay has engaged in Smart clothing for years with the service of integrated supply chain and the knowledge of smart clothing applications to environmental scenarios in wide spectrum from sporting,

outdoor, to long-distance caring. The company made the clothing not just a fashion garment hung in the closet but a media to a smarter and futuristic lifestyle.

T-Cool® and T-Hot® are the reinforced functional yarns developed by TexRay's R&D team after years of efforts with better cooling and thermal properties than most finish-processed products. Both yarns are extruded with additives of cooling and thermal chemicals respectively for prevailing durability after laundry and routine maintenance. Eco-lor® is the innovative water-free technology derived from TexRay's commitment to sustainability for a less impacts on environment and eco-system with lower water and energy consumption and lower carbon emission.

TexRay has re-branded and coordinated all the technologies into 8 categories of RAY's series to fulfill all the needs from different user scenarios and customers by one-stop shopping experience.

For more information, please visit the Booth M320.

### NEW WIDE GROUP It's the only Earth we've got

New Wide Group will release its CSR Enterprise White Paper during Shanghai's InterTextile exhibition. The TITAS exhibition in Taipei during 2017 will showcase the relevant fabric products produced under the CSR (Corporate Social Responsibility) concept and its design that has been made into exquisite sample clothing items. Their CSR products, whether in raw materials or production processes, are in line with environmental standards. The company also uses functional fabric to achieve the implementation of energy- saving and carbon reduction for the environmental needs.

The exhibition's theme is "It's the only Earth we got". They will restore the raw

materials back to its nature, invest in the system settings for environmental protection and strive for sustainable environment, life, products and business management from the manufacturing of living sector's earth-loving perspective.

The main products on display are Eco-Poly, OP Dope Dyed yarn, Cooling, Cocona coconut carbon fiber and other environmental related materials. Through their professional research and development team's grasp on the newest trends and the one-stop production of the design, production and manufacturing, the essence of their development will be brought together at the 2017 Taipei TITAS exhibition. For more information, please visit the Booth M810.

### LIBOLON Sustainable Environment Conservation

LIBOLON is one of the major vertical integrated manufacturers in Taiwan producing from chips to fabric. In TITAS of 2017, ECO-FRIENDLY as the main subject emphasizes that the recycled technology of product to the implementation of eco-concept by enterprise employees.

After proposing that Eco-flying is the system of recycled and re-use, LIBOLON focuses on the in-plant fulfillment of Eco-friendly. LIBOLON uses the scraps

of textile production and recycles to produce the construction material and pallet. Inside the plant, the eco-recycled pallets are used in order to reduce the waste of resources.

LIBOLON has established the new production field in 2014 - Knitting business and Yarn Dye (Nylon 6 / Polyester). Besides Weaving field, going into Knitting field and hi-tech fabric, and manpower is dedicated to the development of Nylon Yarn Dye.



### TRI OCEAN

#### DreamFel® Shows New Research and Development Results

Established in 1968, Tri Ocean operates on the basic concept of keeping performance and environment in balance.

New developments in 2017 including High CLO value DreamHeat polypropylene synthetic insulations, which comes in 3 different specs: 40 gsm<sup>2</sup>, 60 gsm<sup>2</sup>, and 80 gsm<sup>2</sup>. This new development fully utilizes polypropylene's low thermal conductivity and its light weight benefits. The 80 gsm<sup>2</sup> spec has the highest CLO value of all synthetic insulations available on the market, more than 1.2.

Because traditional wool is becoming scarcer and more expensive, Tri Ocean Textile has blended wool with its DreamFel® performance polypropylene. This development not only kept all the benefits of traditional wool but also added all the functionalities of DreamFel® performance polypropylene:

● The use of PP enhances the dimensional stability of wool, do not need to worry about shrinkage for wool and can be machine washed.

● Lightweight: PP is lighter than water, combining PP with wool will make it a lot less cumbersome.

● Wicking ability: adding PP to wool enables wicking ability, makes it suitable for outdoor actives and keeping the user warm. Suitable for 0 degrees to-25 degrees Celsius.

● Enhanced thermal insulation: PP thermal insulation ability is better than wool. By combining the two, it improves the wool's ability in keeping warm.

● Skin-friendly: using PP fine denier filaments allows the wool not to bother the user with itchiness.

● Lowered cost: wool price is high and unstable. Adding PP allows the overall price of the wool fabric to be lowered.

For more information, please visit the Booth M519a.

### HO YU TEXTILE

#### Materials Sustainability-Solvent Free PUDs

In recent years, HOYU Textile has devoted to the development of solvent free process polyurethane dispersion (PUD) to follow the Zero discharge of hazardous chemicals (ZDHC) regulations. Extreme weather has caused a lot of disasters all over the world lately. It is due to the increase of the emission of the volatile organic compounds (VOCs) which leads to the greenhouse effects and causes the global warming.

Solvent free PUDs by HOYU Textile can be produced by the modified solvent free process without using any solvent to melt the raw materials and to reduce the viscosity of the -NCO terminated prepolymer. The advantages of this process are reduce the capital investment, reduce the

energy consumption, increase the capacity, zero VOCs and these is no need the Regenerative Thermal Oxidizer equipment (RTO). The solvent free PUDs made by this novel modified solvent free process can reach the ZDHC standards, and they are environmental friendly products. HOYU Textile has developed a series of solvent free PUDs for top coating, solvent free PAUs (Polyacrylate-urethane) for bottom glue, low odor non-delocalized amine PUDs and biodegradable PUDs.

In the meantime, HOYU Textile has obtained bluesign® certificated company for Dyeing, Finishing, Coating and TPU Extrusion Lamination.

For more information, please visit the Booth N810.

### LIBOLON Superior Automated Computer Quality Control, high fastness, good hand touch and fast delivery. The supply is going to the brands globally. LIBOLON has been the first time in the overseas layout and diversified products are

extended to display in the exhibition. Inside the enterprise, the concept of eco circular economy is fully implemented and moving towards to sustainable development.

For more information, please visit the Booth M308.

