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# LIBOLON

From manufacturer to channel,
LIBOLON cares about sustainable environment development









**M** LEALEA ENTERPRISE CO.,LTD





LIBOLON ENTERPRISE CO., LTD





# Recycle to Recycle

## R2R系列產品 傳遞環保與資源永續的精神

大愛感思科技秉持著『續物命 造福慧』的精神·積極導入 Recycle to Recycle (R2R)「循環再循環」 的設計概念,全心投入研究「廢舊紡織品回收再製回原料」技術,使用物理法將廢毛毯二次回收,再製回 全新實用的紡織品與生活產品·實為環保 "心" 世代『循環經濟』成果。

#### R2R Spirit Conveys Environmental Sustainability

To promote sustainable waste management and fulfill global citizen's duty, DA.AI not only develops recycled textile raw materials, but also turns recycled Re-PET fabric back into new eco products. DA.AI invents R2R products to contribute to environmental sustainability, as well as convey spirits of health and safety protection.

# 以誇 Awards and Recognition



日本東京創新 天才國際發明展-金牌 World Genius Convention -Gold Medal



第七屆國際創新發明競賽 (IIIC)金獎 International Innovation

and Invention Competition-Gold Medal



莫斯科阿基米德登明獎-金牌 Moscow International Salon of Inventions and Innovation Technologies Archimedes



第16届馬來西亞 MTE國際發明展-銀牌 Malaysia Technology Expo International Invention Exhibition-Silver Medal



國際發明聯盟協會(IFIA) 特別學譽獎

International Federation of Inventors' Associations-Special Honor Award



中小企業創新研究獎 Small and Medium Enterprises Innovation Award



曲地利 Energy Globe Award Winner



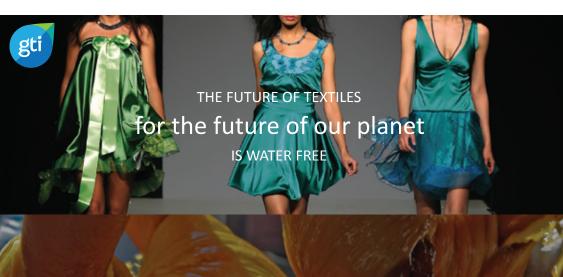




Excellence Awards



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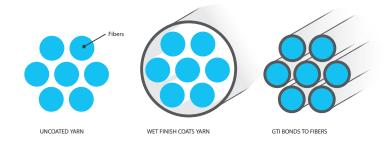


# not a drop used - not a drop wasted

There are more than seven billion people on this planet wearing and buying clothing.

The textile industry continues to pollute water at an unsustainable rate
and we continue to use water because there was no better alternative - UNTII NOW.

# GTI HAS THE SOLUTION FOR THE TEXTILE INDUSTRY TAKE THE WATER OUT OF THE PROCESS



Using Clean Chemistry™, GREEN THEME INTERNATIONAL has developed a process that permanently bonds finishes to fibers–all without using a single drop of water or releasing any hazardous discharge.

Our first GT process is a fluorine-free HDF™ (High Definition Finish) treatment that outperforms previous water repellent finishes (including C6 and C8). The GTI process provides a versatile platform for additional anti-odor, anti-bug, anti-microbial and fire resistant finishes.

BETTER PERFORMANCE - A CLEANER PLANET



#### Why?

There is major environmental impact when we use fossil fuels as it significantly devastate the planet's biodiversity, climate and other natural systems.

Managing our natural resources in a sustainable manner and finding alternatives of fossil fuels are both business and environmental imperatives. For the purpose of reducing the dependence on petroleum-based plastics; Far Eastern New Century Corporation have built up its new technologies to produce PET plastics from plants (Bio-MEG).

#### How?

Bio-based Polyester Yarn

PET resin is manufactured by the etherification of 70% PTA (Purified Terephthalic Acid) with 30% MEG ( Monoethylene Glycol). The renewable-based raw material is agricultural wastes & non-food plants to replace petroleum.

**SPEC /** 75/36 75/72 150/48 , SD; other NPDs

#### 為什麼?

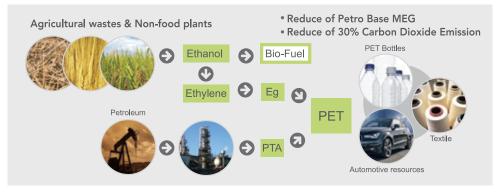
近來世界潮流莫不致力於改善或減少使用如-原油等石化 產品,對於地球上環境、自然生態、甚至生物多樣性與永 續生存做努力。

永續管理自然環境與資源並尋找石化能源替代品不僅僅是 一項商業化產品,也是企業迫切與不可避免之社會責任。 因此,遠東新世紀一直致力於可持續發展之化纖產品技術 ,並已成功將生質聚酯纖維商業化。

#### 方法?

生質聚酯的原料約是30%的Bio-MEG(生質乙二醇)及70%來自石化的PTA(對苯二甲酸)。生物質聚酯纖維的生質原料來源是利用非農作植物(農業生技)及海藻(海洋生技)…等提煉生產而來。

規格 / 75/36 75/72 150/48, SD & NPDs



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# HONMYUE keeps advancing for environmental sustainability

# 弘裕不斷進步 是為了給環境更多保護

- bluesign® System Partner
- Recycled PET Fabric
- Recycled Nylon Fabric
- Solution Dye Fabric
- Polypropylene Fabric
- PVC-Free Solar Screen

- Eco Friendly Processing:
  - PFC-Free Water Repellency
  - T.P.E Lamination Finish
  - T.P.U Lamination Finish
  - Water-Based Coating Finish
- Multi-Functional Fabric







# **Talent**



www.talentyarncom

### **Spring & Summer**

- Cooling Touch
- Anti-odor
- Moisture-absorbing
- Anti-Microbial
- Wicking

• UV Cut

#### Fall & Winter

- Keep warm
- Odorless
- Anti-static
- Anti-bacterial

### **ECO-friendly yarn**

- Dope dye
   Solution dyed fiber

### **Healthy energy**

• FIR • Negative lons • Trace element







Four Elements Energy Biotech. Co., Ltd 三加一能量科技股份有限公司

TEL: +886-2-2562-4913 E-mail: service@talentyarn.com





#### 原液染色纖維 (尼龍、聚酯、聚丙烯) DOPE DYED YARN (NYLON, POLYESTER, POLYPROPYLENE)

#### 產品特性 Features:

不需染色,省去大部分的染整二氧化碳與廢水的排放,並大幅度節省用水與化學品。
SAVE WATER, CHEMICALS & ENERGY CONSUMPTION NO DYEING POLLUTION & REDUCE CO2 EMISSION.



#### 產品範圍 Product range:

- (1) NYLON DTY & ATY DOPE DYED COLOR
- (2) POLYESTER DTY DOPE DYED COLOR
- (3) P.P. ATY DOPE DYED COLOR

### |其他功能性/節能纖維 | OTHER FUNTIONAL/ ENERGY SAVING YARNS

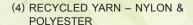
(1) NYLON 6 COOL YARN

(2) NYLON 6 QUICK DRY YARN





(3) PES ANTISTATIC YARN











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E-Mail: service@acelon.com.tw http://www.acelon.com.tw

# Reduce Reuse Recycle

With plastic bottles polluting the oceans and the nature, it is our responsibility to recycle. GAC recycles polyester from used plastic bottles and nylon from industrial waste.



Constantly striving to make production more eco-friendly, GAC uses dope dyed nylon as well, to save water and energy while reducing CO2 emissions and the use of chemicals during the dyeing process.



#### Reputation

GAC has gained excellent reputation all over the world from our high standard service.

#### Quality

GAC ensures that all products are delivered in the best quality by means of our strict inspection process.



#### Innovation, Creativity

GAC aims to provide you with the best solution for what you need, and develops tailor-made fabrics for you.

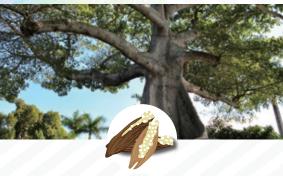
#### GAC Team

GAC has built strong and cohesive teams in both production and sales departments, which results in effective communication with our customers.



#### Seaweed

SeaCell<sup>™</sup> is 100% natural fiber from seaweed. Harvested below the sea level so it can regrow again, seaweed is 100% biodegradable. GAC Green fabrics with seaweed feature not only an amazing hand feel, but are also revitalizing and protecting your skin due to many vitamins and minerals present in the fiber.



#### Kapok

Originating in a dried fruit from a kapok tree, the kapok fiber is a fine example of a natural material with amazing functional properties. Due to natural waxing, kapok is not only grown without the use of chemicals, it is also moth & mite resistant and anti-bacterial. On top, as a hollow fiber, kapok has excellent thermal properties and highly comfortable touch.



# SOMETIMES LEAVING THE LAND BETTER THAN WHEN YOU FOUND IT STARTS WITH LEAVING IT ALTOGETHER.

James is a 4th generation cotton farmer whose family has always been passionate about farming sustainably. Today, he uses Unmanned Aerial Vehicle (UAV) technology to examine his field so he can apply water only where it's needed. Look closer at the people of COTTON USA. You'll see eco-friendly technology that's truly innovative.

WWW.COTTONUSA.ORG



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### 台灣環保紡織品精選專刊 出刊日期2017年10月

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Sustainable
Innovative
Functional
Fashionable





# FORMOSA CHEMICAL & FIBRE CORPORATION YOUR BEST CHOICE FOR ENVIRONMENT-FRIENDLY NYLON FILAMENT.

From the finest 4 denier to the coarsest 2,500 denier, a complete product line, from polymerization pilot trial to mass production, dedication to product differentiation.

#### **Dope Dyed Nylon Filament**

We develop dope-dyed color yarn that does not need most of the dyeing and finishing process and therefore can reduce emission of CO2 and COD, save water and increase color fastness.

#### **Recycled Nylon Filament**

With our special recycle equipment, wasted nylon yarn can be recycled into CPL. The material is 100% recycled into nylon chips and then made into various types of nylon yarn to meet customer needs.

#### **N/C One Process Dyed Nylon Filament**

会>台湾化學纖維

The nylon/cotton one process dyed nylon filament is a new image for our nylon yarns.





Global Recycles Standard



<── 台湾化學纖維

# **Editor's Notes**

### 編者的話

Sustainable products are an integral part of the green consumerism as well as a key element for a successful business in a very competitive global textile market. Adopting substantial eco-friendly practices is the responsibility of every individual and corporate citizen. International brands, retailers and manufacturers are taking long-term plans and actions to source and produce textiles that have the least impact on the environment and are made in a socially responsible manner. Eco textiles are not just a new wave but already a mainstream in the global textile industry.

For the 2017/2018 issue of Taiwan Eco Textiles, topics encompassing product, market, technology, certification and corporate social responsibility are covered to present the latest trends and development on international and Taiwan's sustainable textiles. Recycled PET bottle textiles, biodegradable textiles, solution dyed textiles, waterless dyeing technology and PP, cooling and bamboo fibers are specifically pinpointed together with other energy-saving and waste-reducing textiles. Some leading eco textile brands, makers and certification organizations in Taiwan are also introduced according to their products and services.

We hope that the annual publication of Taiwan Eco Textiles can serve as a valuable tool for those who are looking for reliable and determined textile business partners. More information on eco textiles in Taiwan can be found at eco.textiles.org.tw

今日環保紡織品在消費市場已成為一股不可抗拒的綠色浪潮,也是紡織企業要在激烈競爭環境中勝出不可或缺的關鍵元素。落實環保是每位地球公民應善盡之責,採用環保紡織品已成為全球通路暨品牌商履行企業社會責任的具體表現,加上符合節能減碳、永續經營的國際企業潮流推動,環保紡織品已然成為各國紡織業發展的主流。

本期專刊聚焦報導台灣環保紡織品最新發展現況以及國際環保趨勢,包含市場、技術、產品、驗證、企業責任等主題,除將台灣產製聚酯寶特瓶回收再生、生物可分解紡織品、生質紡織品、原液染色、聚丙烯、涼爽、竹炭纖維、無水染色等各項環保紡織品彙編成冊,並邀集台灣環保紡織品優質供應商、知名環保驗證機構、染助劑供應商及推廣單位參與本刊推廣。



# Taiwan Eco Textiles: a Marriage of Fashion plus Function

Green innovation makes our life better!

### 台灣環保紡織品結合流行與機能

創造你我生活無限可能

After more than 60 years of development, Taiwan's textile industry has evolved from a mass production textile supplier to a textile innovator equipped with a comprehensive yet integrated value chain. While traditional textiles still have an important share in Taiwan's textile output, the extraordinary performance achieved by local enterprises in the field of eco and multifunctional textiles has redefined Taiwan's status in the global textile marketplace.

The core competencies of Taiwan's textile industry lie in its R&D, technology and innovation. These features have supported the industry to survive difficult times and challenges, still standing out as one of the leading textile players in the world. For Taiwan's textile companies, trash can really mean cash while our Planet becomes cleaner. With some creativity plus technology, used PET bottles can turn into blankets, and coffee grounds become sportswear. Now the industry is incessantly seeking to develop green textiles by incorporating functional innovations and fashion aesthetics with eco-friendly production in order to ameliorate our daily life.

This year marks the 9th edition of Taiwan Eco Textiles. This publication aims to keep international professionals and buyers updated of the latest developments and advantages of Taiwan's eco textiles, and to facilitate potential alliance partnership. As the only professional publication of its kind in Taiwan, the book is a must-have guide to locate Taiwan's eco and functional textile suppliers.

This issue focuses on sustainable fashion and functional textiles. More than 20 enterprises including Formosa Taffeta, LeaLea/Li Peng, Nan Ya Plastics, Acelon and Formosa Chemicals & Fibre are chosen to represent the strength of Taiwan's eco textiles. Nowadays authoritative eco labels are becoming a necessity to step into major international markets, well known eco labels and certifying bodies including Testex Swiss, Bureau Veritas, Intertek, TÜV Rheinland, and Taiwan Functional Textiles (TFT) are those working closely with Taiwan's textile industry. In addition, Messe Frankfurt, Cotton Council International are all long-term partners in introducing Taiwan's textile products to overseas markets.

台灣紡織業歷經60餘年的發展,循序漸進地戮力整合供應鍵體系有成,進而建立生態保護、節省能源與資源的價值創新商業模式,並且以生產對環境友善之機能性紡織品在全球市場領先群倫。台灣不斷地研發與創新,將生活美學、高科技與創新機能完美結合,賦予紡織品新的定義,利用物質特性,化腐朽為神奇。生活中可能被隨手丟棄的寶特瓶,台灣紡織業將它回收再利用,織成保暖、耐用的綠色織品,就連人人慣以展開一天生活的調劑品咖啡,在台灣紡織業的嶄新創意下也變成了創造舒適生活的原料。台灣紡織業以驚人的豐沛創新能力,創造你我生活的無限可能,致力開創人類未來美好的每一天。

為協助國際專業買家瞭解台灣紡織業者長期致力於環保領域的發展成效與競爭優勢,進而媒合買賣雙方找到優質合作夥伴,紡拓會特別出版「台灣環保紡織品精選專刊」並建置網站,彙集台灣環保紡織品發展現況及供應商資訊。本刊為台灣首創聚焦環保議題,發行量最大的專業刊物,為採購台灣環保暨機能紡織品的必備指南。

本刊係以台灣時尚與機能之環保紡織品為主軸,介紹力麗/力鵬企業、台灣化學、南亞塑膠、福懋興業、聚隆等涵括上中下游之二十餘家環保紡織品供應商以及染助劑供應商,顯現台灣發展環保紡織品的強大實力。此外,環保紡織品外觀與一般紡織品難以區別,需經由具公信力之專業驗證機構檢驗通過,以確保買主及消費者的權益,並有利業者行銷與拓展市場。鑑此,本刊特別介紹瑞士紡織檢定、立德國際、全國公證檢驗、台灣德國萊因、台灣機能性紡織品驗證等台灣紡織產業已取得之環保與機能標章或認證通過之主要機構,以及法蘭克福商展公司、美國國際棉花協會等重要合作機構,期藉此協助國際瞭解台灣環保紡織品的綠色價值與優質形象。

#### Hightlights

- The eco-friendly brand Da.Ai believes in "co-existing with earth" and maintains complete tracking records of products from materials to final articles. Da.Ai's textile products are made from recycled PET bottles via a production process that saves 84% of energy and cuts down about 77% carbon emission compared to a traditional one. (P.3)
- With the eco policy to conserve earth resources and contribute to people's health and life quality, Everlight Chemical produces high added-value, low energy consuming and low polluting hi-tech chemicals including color chemicals, specialty chemicals, pharmaceuticals, electronic chemicals and nano-materials. (P.38-39)
- In addition to high wet modulus rayon fiber Formotex and high tenacity rayon fiber Crayon, Formosa Chemicals & Fibre also offers eco and functional yarn collection Sunylon including recycled nylon yarn and cooling nylon yarn. (P.13)
- Formosa Taffeta is an expert in producing multifunctional eco fabrics, a favorite choice of international sportswear brands. (P.41)
- Fabrix Plus is a specialist in woven, denim, jacquard and knitted fabrics. Enjoying long-term cooperation with many experienced mills and equipped with rich professional resources, the company is capable of developing custom novelty and fashion textiles.(P.44)
- Using Clean Chemistry™, GREEN THEME INTERNATIONAL has developed a process that permanently bonds finishes to fibers—all without using a single drop of water or releasing any hazardous discharge.(P.5)
- GAC specializes in making high performance fabrics with a clientele of over 10 leading global brands. Product offers include fabrics with advanced thermal, moisture-managing, anti-bacterial, anti-mosquito, UV protection and eco-friendly properties for outdoor and sports applications. (P.10)
- Honmyue produces bluesign® approved recycled polyester fabrics and nylon fabrics. With its high-quality inkjet printing technology, the company is expanding its share in the digital print fabrics market. (P.7)
- Libolon (a label owned by LeaLea/Li Peng) created a unique Ecoflying recycle system to produce recycled PET bottle polyester fiber RePET® and solution dyed nylon fiber Ecoya®. Libolon is the first company in Taiwan to obtain GRS (Global Recycle Standard) certification. (P.2)
- Further to its innovative yarn made from coffee grounds, Nan Ya Plastics introduces Bio-PET fiber. With
  the material EG coming from natural renewable resources, Bio-PET can help decrease the dependence on
  petrol and effectively reduce carbon emissions by 25% compared with the traditional PET fiber production
  process. (Back page)
- DyStar®Group is a textile solutions provider, offering customers across the globe a complete range of colorants, auxiliaries and related services. Its customers can be assured that all the dyes and chemicals supplied meet with legal requirements. DyStar also provides consultation to ensure that products selected by customers are compliant with voluntary and brand & retailer RSL (Restricted Substance List) requirements. (P.42)
- For the 28 years after its founding in 1988, in addition to its specialty products, namely polyester, nylon and colored PP yarns, Acelon has been an introducer of innovative functional textiles, such as heat generating yarn, cooling yarn Acelce and anti-static fiber AceStatic. The company has also developed cellulosic fiber GreenCell to respond to the increasing environmental concerns. (P.9)

(The companies are listed in alphabetical order.)

#### Taiwan: The Best Sourcing Center for Functional + Eco Textiles

Further to functionality, eco friendliness is now a textile DNA for Taiwan's textile industry. Whether it's material, manufacture process, technology, product or environment, our green-minded industrialists are working hard to make Taiwan the best source for eco and functional textiles.



台灣紡織業為全球品牌商精實、可靠的合作夥伴,堅持以合理的價格提供消費者高品質且具有創新性的產品,以滿足消費者追求時尚、功能、環保的需求,例如:

- 力寶龍(力麗/力鵬企業品牌)擁有獨步全球的Ecoflying回收系統、以聚酯寶特瓶回收再生纖維 RePET®、原液染色Ecoya®等優質產品聞名國際,是台灣第一家獲得GRS(Global Recycle Standard)認證的 寶特瓶回收纖維廠商。(P.2)
- 大愛感恩科技推動環保品牌「DA.AI」,秉持「與地球共生息」的理念,從原料到成品,都有完整的生產履歷回溯表。DA.AI環保紡織品,由回收的寶特瓶再製造成PET聚酯纖維,比原生材料製程節省約84%的耗能,及減少約77%的排碳量。每件DA.AI環保紡織品,都有志工無私的奉獻和篇篇感人的故事,企業每年屢獲殊榮。(P.3)
- 台化除生產高濕係數棉(Formotex)、彩麗縈(Crayon)外,並提供Sunylon品牌系列產品包括台化耐隆環保 絲、涼感耐隆絲,均屬兼具機能與環保功能之優質產品。(P.13)
- 永光化學以生產世界級品質的色料化學、特用化學、醫藥化學、電子化學及奈米材料等高附加價值、 低耗能、低污染的高科技化學品,經由全球客戶的使用,對提升人類生活的品質與健康做出實質的貢獻。(P.38-39)
- 弘裕獲得bluesign®認證,積極研發推廣寶特瓶回收製成的聚酯環保布及環保耐能布,並應用客製化生產模式的「高品質裝飾材噴印產品應用技術」,訴求快速、環保、無毒性、多元及符合國際檢測標準, 搶攻數位印花布市場。(P.7)
- 伍佳興公司專門從事梭織、牛仔布、提花面料和針織面料,與許多紡織廠合作,有能力和豐富資源以 開發新穎及時尚的紡織品,滿足客戶的要求。(P.44)
- 南亞繼萃取咖啡渣製成創新環保素材後,再接再厲成功開發Bio-PET纖維,Bio-PET中EG原料來自天然可再生資源,相較傳統的PET纖維製程,可有效減少25%碳排放量。(封底)
- Green Theme International (gti)使用 Clean Chemistry<sup>TM</sup>,開發了一種將染助劑永久粘合到纖維上的技術, 而不使用一滴水或釋放任何危險的化學物質。(P5)
- DyStar<sup>®</sup>德司達集團是紡織業解決方案的專家,為全球客戶提供染料、助劑產品與相關專業服務。德司達向顧客保證所供應的紡織染料和化學品均符合法規要求;也為客戶提供諮詢,確保其所選用的產品是符合品牌及零售商對RSL的要求。德司達藉此建立完整的紡織供應鏈夥伴關係,並促進紡織業的永續發展。(P.42)
- 聚隆創立30年,以聚酯、尼龍、聚丙烯色紗,以及纖維素纖維(GreenCell)等環保素材聞名。此外,聚隆 也推出最新最夯的機能性紗線布種,包括發熱紗、冰晶紗(Acelce)以及抗靜電纖維(AceStatic)等產品, 成功達成顧客需求、企業再造、生態環境均衡共生之三贏目標。(P.9)
- 瀧丰專門生產品質良好、耐用且功能性優的運動布料,並以不斷創新的研發技術,將產品至臻完美,產品線完整,功能涵蓋有抗 UV、抗菌、遠紅外線、透氣快乾、防水等戶外運動布品應用範圍,受到國際知品牌青睞。(P.10)

(註:依公司名筆畫排序)

#### 台灣一最佳環保與機能性紡織品採購中心

台灣具備環保紡織品的高度發展潛力,業者落實環保從根本做起,不僅重視產品源頭符合綠色設計、導入環保製程,並將環保思維納入企業文化,為企業注入綠色DNA,堅持創新開發環保與機能兼具的多元紡織品。累積多年的用心與努力,台灣推出的優質紡織品除經常榮獲國內外相關獎項,並屢獲國際認證通過,品質深受國際品牌商肯定。台灣已被全球買主視為最佳機能性紡織品採購地,現亦成為國際買主心目中值得信賴的環保紡織品採購來源,未來將積極結合環保理念、時尚美學及科技功能,提供更多創新的優質環保紡織品。



# 寶特瓶回收再生紡織品一 回收、生產、銷售系統最完整

The journey where drinking water bottles turn into a beautiful dress starts from the recycle bin around the corner of your neighborhood. Once the bottles are collected and then crushed, they will be made into staple fibers for spinning or into filament yarns for weaving, and then are ready for end-product applications. The production of recycled PET bottle textiles in Taiwan benefits from a thorough reclamation scheme. Consumers are encouraged to recollect used bottles. About 90,000 tons of PET bottles are reclaimed every year in Taiwan, equivalent to 4.5 billion drinking water bottles (bottle volume: 600 ml). per year.

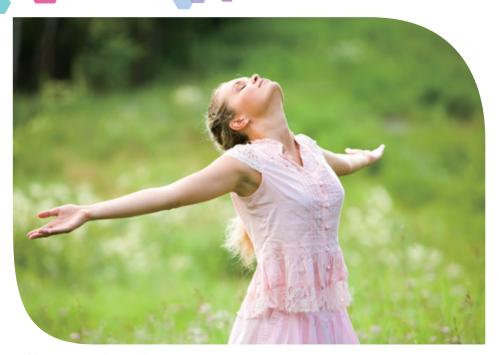
The production and application of recycled PET bottle polyester fibers are optimized with the upstream spinning technologies for functionality, micronization and compound effects, and the downstream finishing technologies of weaving, dyeing, coating and lamination. Taiwan's position as the most reliable source for functional and ecological textiles was further proved at various international sports events such as the 2014 FIFA World Cup Brasil, where many teams wore jerseys made from recycled PET bottle textiles developed by Taiwanese textile companies.



# Recycled Nylon Textiles – Reserve & Recover Resources! 尼龍回收再生紡織品一資源再利用

Threads and shreds from a textile factory are more valuable than you think. Through a process of sorting, screening, crushing, extruding, chipping and spinning, these wastes can be transformed into clothing, home and industrial textiles.

Taiwan-made nylon textiles are renowned for their "value for money" quality, an advantage now extended to recycled nylon textiles. With their advanced development in recycled nylon production technology, Formosa Chemicals & Fibre, Honmyue, and Toung Loong substantially help reserve and recover resources for the planet.



# Cellulosic Fibers – from Nature, Back to Nature 纖維素纖維一來自大自然的環保原料

Plant fibers such as cotton, linen, bamboo and pineapple leaves, seaweed and fibers such as rayon, Modal and Tencel, of which the materials are derived from plant fibers, are biodegradable cellulosic fibers. They do not generate any negative impact on environment when burned and are thus classified as typical eco fibers.

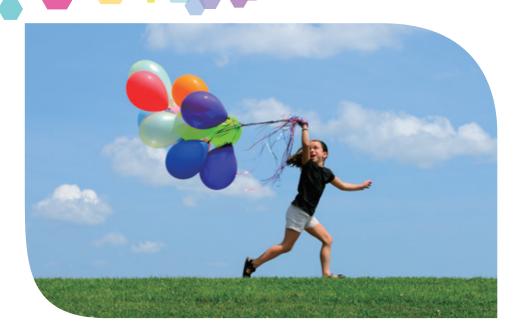
In the category of cellulosic textiles, Formosa Chemicals & Fibre, Formosa Taffeta, Acelon and Fabrix Plus have successfully developed various high-end fibers, yarns and fabrics using local eco materials.



## Solution Dyed Polyester Yarn – a Best Choice for Water Saving Textiles 原液染色聚酯纖維一節水減碳的最佳選擇

Among the whole production process of textile industry, the dyeing sector usually plays an important role in creating special effect for and adding value to products, but is also recognized as the most environmentally unfriendly part due to the huge consumption of water and chemicals. The production process of solution dyed polyester yarn is in line with the concept of "design for environment". There is no need to go through any dyeing process once the weaving is done, which can therefore cut down water and energy consumption as well as effluents and waste gas generation by 70~82%.

Green Theme International is a company with a mission. They invent, commercialize and sell water free textile technology to create the best performing fabrics and to eliminate water pollution. their first product provides the most effective rain protection on the market without using or polluting any water.



# Solution Dyed Nylon Yarn – Performance for Consumers, Protection for Earth 原液染色尼龍纖維一機能兼具環保的材料選擇

The development of nylon textiles has reached full bloom in Taiwan. The production of nylon filament yarn, textured yarn and finished fabrics can fully satisfy the demand of local down-stream manufacturers.

Nylon textiles have a soft and natural hand feel. They are light-weight with high tenacity. Taiwan's development in nylon textiles ranges from CD-Nylon 6, high-shrinkage nylon 6, multi-functional nylon textiles (antibacterial, UV proof, deodorant and moisture-transferring), microporous nylon fabrics with cross section, functional nano-nylon fiber/textiles, anti-electrostatic lubricant for nylon production, to nylon non-woven fabrics.

LeaLea/Li Peng offers branded solution dyed nylon fiber Ecoya<sup>®</sup>; Formosa Chemicals & Fibre provides solution dyed nylon filament and solution dyed rayon fiber; and Formosa Taffeta, Toung Loong and Acelon are the suppliers of solution dyed nylon fabrics.



## Ecological Polypropylene Fiber 聚丙烯纖維一符合生態環保訴求

Polypropylene(PP) fiber is a polymer made up of carbon and hydrogen molecules. It is biodegradable with very low environmental impact, and meets the standards on environmental safety and hazardous content.

Traditionally the fiber is colored by way of solution dyeing, which is environmentally friendly in terms of saving energy and reducing carbon dioxide emission.

Honmyue has introduced a new-generation dyeing method by using disperse dyes on PP textiles. The PP fiber not only can be dyed in relatively low temperature but also allows end products to keep multiple functions.



# Normal Pressure Dyeable Polyester Fiber – Environment Matters!

### 常壓染色紡織品一節能減碳高手

The molecules of a polyester polymer are strongly bound together. It requires high temperature and pressure to saturate the fibers with dye solutions. The great thing about normal pressure dyeable polyester fiber is that during the coloration, the dyeing temperature can be brought down to 95~100°C without compromising color quality.

While the lowered dyeing temperature saves our environment from heavy use of heating energy, manufacturers at the same time can benefit from the saving on cooling time and dyeing cost. Major suppliers of this eco fiber in Taiwan include Nan Ya Plastics, Honmyue, Far Eastern New Century and Formosa Taffeta.



Solvent Spun Fiber – the Most Eco-minded Manmade Fiber 溶劑可回收纖維一符合生態平衡原則

The main ingredient of solvent spun fiber is cellulose, which is derived from woods. Up to 99.5% of solvents used during the fiber manufacturing process are recoverable and reusable, and the finished products are naturally biodegradable. What's more, less water and energy are used in the manufacture. All these environmentally sustainable characteristics win this kind of fiber a name as the most eco-minded manmade fiber in the last 50 years. Formosa Taffeta is a major supplier of eco textiles made of this kind of fiber in Taiwan.



## Biodegradable Textiles – Sustainable Textiles for the Earth 可分解紡織品一地球永續發展

Biodegradable materials open a new window for the textile industry with environmental and business sustainability in mind. Biodegradable materials cause almost zero environmental impact even before and after their product lifecycle, making them a perfect example of green textiles.

 $APEXA^{\otimes}$  is a biodegradable polyester from DuPont. Formosa Taffeta and Nan Ya Plastics are using this material to make eco-friendly textiles.



# Heavy Metal Free Polyester Fiber – Safety Guarantee

### 無重金屬聚酯纖維一安全有保障

In the process of producing polyester, catalysts are often added to reduce the time required for polymerization in order to significantly increase the efficiency. The most common catalyst is a heavy metal called antimony (Sb). The European Union has stipulated in its legislation that only fabrics with an antimony content less than 30ppm are qualified for eco labels.

Heavy metal free polyester fiber shares similar properties to regular polyester fiber; moreover, it does not have the unfavorable yellowish problem which regular polyester fiber using Sb-free catalysts usually has. It can be applied to various textile products and PET bottles, and can also be recycled and reprocessed.

In Taiwan, major providers of heavy metal free polyester textiles include Nan Ya Plastics for filament yarn, Four Elements for spun yarn, Formosa Taffeta and Far Eastern New Century for fabrics, and Atics for zippers.



# Bio-based Textiles (Bio-PET and Sorona®) – Reducing Petrol Consumption and CO<sub>2</sub> Emission 生質環保紡織產品一有效減少石油資源消耗與二氧化碳排放

Though still a petroleum-based material, about 30% of bio textile's composition is plant-based, effectively helping reduce the consumption of fossil energy resources. The most commonly-known bio textiles are Bio-PET and Sorona<sup>®</sup>. Bio-PET is an innovative fiber from Nan Ya Plastics. Different from the traditional PET fiber production, the material EG used to make Bio-PET fiber is from natural renewable resources, successfully reducing the dependence on petrol and effectively lowering 25% of carbon emissions.

Sorona<sup>®</sup> is a breakthrough made by DuPont in renewably sourced materials for textiles. With 37% of its basic raw material drawn from natural sugar, the production process of Sorona<sup>®</sup> reduces 30% of energy consumption and 63% of CO2 emission compared with that of nylon chips, making it an ideal choice for eco textiles.

Nan Ya Plastics, Toung Loong, Far Eastern New Century and Formorsa Chemicals & Fibre, among others, are the leading producers of bio-based textiles in Taiwan.



## Instant Cooling Fiber – Feel Cool in the Summer 散熱涼爽性纖維一夏天涼爽

The performance of instant cooling textiles comes from the mineral compound powders which possess the properties of slow heating and quick cooling. The fibers with mineral powders added help wearers drive out body heat and have a comfy chilling feel.

When wearers are in instant cooling clothing, A/C temperature setting can be raised by 2°C, which helps save energy and cut carbon footprint.

Toung Loong, Da.Ai, Formosa Chemicals & Fibre, Formosa Taffeta, Four Elements, Nan Ya Plastics and GAC are all innovators in this sector.



## Organic Textiles – It's Green, It's In! 有機紡織品一符合綠色潮流

Organic cotton refers to the cotton cultivated on fields over 3 years free from any use of pesticides and chemical fertilizers. No insecticides, herbicides and defoliators are allowed in the growth of organic cotton. It is one of the best material options for responsible brands and enterprises to realize their commitment to protect our planet.

The organic cotton yarns made by Formosa Chemicals & Fibre, Formosa Taffeta and Far Eastern New Century have passed certification from international professional bodies such as IMO of Switzerland and Control Union of the Netherlands.



# Cotton – Natural and Sustainable 棉花一天然和永續

Cotton is natural, renewable and biodegradable. The fiber has been used to dress and protect mankind for at least 7,000 years. Today cotton textile is a global industry. After 30 years of efforts and thanks to the new agritechnology, American cotton farmers are now able to increase water-use efficiency by 80% and decrease energy consumption and pesticides use by 31% and 50% respectively.

To ensure people can continue to reap cotton's natural benefits now and in the future, U.S. cotton industry is committed to producing cotton in the most sustainable manner possible, taking into account the economy, environment and social responsibility.



# Charcoal Fiber – Keep Warm in the Winter 炭類纖維一冬天保暖

Once through fire and flame, bamboos and coconut shells are transformed into porous charcoals. The charcoals are further grounded into nano-sized powders, mixed well with polymers and then undergo a series of fabrication process—from spinning, false twisting to weaving—before ready to be made into a variety of textile products. Formosa Chemicals & Fibre, LeaLea/Li Peng, Nan Ya Plastics and Acelon are Taiwan's major manufacturers of charcoal fiber. Nan Ya Plastics transforms coffee grounds via carbonization process into coffee fibers for a wide range of applications. Formosa Taffeta has launched collections of bamboo charcoal and coconut shell charcoal fabrics. Atics uses bamboo charcoal fiber to make zippers and accessories.



# Smart Textiles – Sense and React 智慧型紡織品一環保紡織品未來新方向

Smart textiles, which offer new function and performance by adding advanced technology on traditional textile techniques and materials, is a fast growing market sector for the textile industry.

Smart textiles offer wide-ranging applications such as products combining electronic technology to provide entertaining function, adopting biological monitoring technology to provide healthcare function, incorporating light emitting technology to create human security function, and applying solar power storage system to generate mobile energy.



# Eco Composite Textiles – New Opportunity for Eco Textiles 環保複合材料一環保紡織品發展新契機

Composite materials are materials formed or engineered from two or more constituent materials which have considerably different functional and physical properties. Composite materials play a significant role in the development of textile application.

Eco friendly composite textiles providers in Taiwan include yarn producers LeaLea/Li Peng, Nan Ya Plastics, Far Eastern New Century and Four Elements, and fabrics maker Da.Ai.



#### Green Business is Good Business 綠色消費成為市場主流

The worldwide green wave directly and indirectly generates great demands for eco friendly products, evoking the thriving research and development of green textiles in the global market. And eco textiles are emerging from a new wave to a mainstream in the industry. With the uprising awareness of the deteriorating environmental conditions, it can be expected that ecology will finally come first before economy for both the industry and consumers. The forming of the ZDHC (Zero Discharge of Hazardous Chemicals) group and its Joint Roadmap illustrates how and what the textile, apparel and retailing industries are going to do to reduce and even eliminate the negative impact caused across the supply chain to the environment and human health.

Under the gloomy economic climate, green remains to be the color of money as green products proved to be good for business. Eco friendly practices are found to create jobs and generate business opportunities.

Eco textiles and its related services are now also the appealing focus of international textile exhibitions. TITAS (Taipei Innovative Textile Application Show), organized by Taiwan Textile Federation, have special sections devoted to eco textiles and relevant certification services.



#### Get Certified – a Ticket to the Global Market 驗證標章一進入市場的必要工具

Textile industry around the world has a reorientation of thinking about the environment. When ecology finally does not have to come behind economy, many textile enterprises have their green policy and green actions reinforced as a marketing force for elevating corporate/brand image and increasing sales performance as they cope with the inconvenient truth of global warming.

While the world is going green, eco textile labels and certificates issued by internationally authoritative certifying bodies have become not only the quality insurance of products but quite often the minimum criteria to enter major markets like Japan, USA and EU. As a major textile supplier in the world, over 100 textile and apparel companies in Taiwan have received international eco labels and certificates from Oeko-Tex®, bluesign®, GOTS and Organic Exchange, to name a few. Testex Swiss, Bureau Veritas, Intertek, TÜV Rheinland and Taiwan Functional Textiles (TFT) are well-known certifiers in Taiwan to provide testing and certification services.



#### Development in Printing Technology Helps Save Energy 印染技術日新月異一節能又環保

Digital printing and paper transfer printing can be done directly on fabrics, saving the consumption of energy and skipping the waste water treatment process. They are thus considered as eco-friendly technologies. The advances in digital printing have greatly enhanced dyeing efficiency and printing speed. Meanwhile, remarkable progresses have also been made in transfer printing, inkjet printing and electrostatic printing technologies.

Well aware of the rising environmental concerns in the market, Grand Printex specializes in eco-friendly heat sublimation transfer printing to create green value for its customers. In addition, the company set up an electronic engraving department in 2009 and is now able to provide high-speed, high volume print service - 4 times the volume of previous transfer paper printing - as well as customized service for small quantity, large variety and quick response orders.

#### 永光化學 提供安全及環境友善的染料

#### 安全保證/認證會員

- TRCA, 中華民國化學工業責任照顧協會
- ETAD, 染料及有機顏料製造商生態和毒理學協會
- ZDHC, 有害化學物質零排放組織





**HE LIST** 



#### 通過第三方認證

- Bluesign, 藍色標誌標準(Bluesign standard)
- GOTS, Global Organic Textile Standard 全球有機紡織品標準
- Inditex 集團合格化藥供應商

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#### Better Chemistry Better Life





永光化學追求進步創新,以滿載的研究熱情,透過不斷的加乘與連結, 創造出許許多多的可能。

永光,以化學專業給予客戶最大支持,協助客戶邁向成功,也為美好的 社會及永續的未來,做出具體貢獻。

我們相信,運用對的化學品,可以讓生活更美好!

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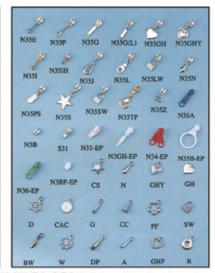
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Dianix XF2 dyes have been designed to offer excellent wet fastness performance on critical fabrics, particularly on polyester microfiber and polyester/elastane blends.

Dianix Red XF2 and Dianix Turquoise XF2 are two new dyes in the Dianix XF2 range.

Cadira Polyester is a low impact exhaust dyeing process for best performance and highest resource efficiency.

Dianix XF2 and Cadira Polyester – The perfect solution for sportswear, workwear and fashion apparel.

Dianix XF2系列染料對於特定織物,尤其是超細聚酯纖維和聚酯/彈性纖維交織物上有優異的高水洗牢度表現。Dianix Red XF2及Dianix Turquoise XF2是Dianix XF2系列中的兩項新染料。

Cadira Polyester染程可實現最佳染色效果及最高資源效率,是一種對環境低衝擊的染色製程。 Dianix XF2與Cadira Polyester染程是運動服裝、工作服和流行服飾等紡織工業的完美解決方案。

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The **ZDHC Academy** provides brands and manufacturers with ZDHC certified training to improve their knowledge and practice of responsible chemical management.

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The ZDHC Programme includes a collaboration of over 70 contributors, including Signatory Brands, Value Chain Affiliates and Associates. Together, we are working to support implementation of safer chemical management practices. For a full list of our Contributors, please scan the QR Code:





# Fabrix PLUS























Fabrix Plus Co.,Ltd is specialize in Woven, Denim, Boardshort, Jacquard and knit fabrics, we have many textile mills to cooperate with, such as Weaving, Dyeing, Foil Printed & Paper Printed mill etc., we have the ability and plentiful resource to develop the novelty, latest quality in fashion to reach the request of our clients.

Fabrix Plus is an experienced fabric manufacturer and exporter for overseas markets. Based on the rigid quality control (QC) and cost effective, we have the confident to provide the best products with highly competitive price and punctual delivery to our clients.

Our principle and goal is to provide good quality and reliability product to our clients from all over the world. We are trying our best to be the supplier with good reputation.

For further information, please contact with us by e-mail at

tony@fabrix-plus.com or clwu@fabrix-plus.com

#### **FABRIX PLUS**

7F-8,No.20, Lane 609, Sec.5, Chongxin Rd.,Sanchong Dist,New Taipei City 241,Taiwan Tel: +886-2-29956700 Fax: +886-2-29955977

#### FABRICTEX INDUSTRIAL CO., LTD.

Our factories are located in China & Indonesia and main markets are South America, Middle East and Europe. We have a branch office in Sao Paulo, Brazil for almost 20 years



#### Spun Yarn Product:

- 1. 100% Spun Polyester Sewing Thread & Yarn (Two For One & Air Splicer Knot) :  $Ne10/3 \sim 40/2 \sim 80/2$
- 2. 100% Spun Micro Polyester Yarn: Ne80/1, Ne60/1, 40/1, 30/2 (Dyed & Natural)
- 3. 100% Spun Rayon (Viscose) Yarn: Ne80/1, Ne60/1, 40/1, 30/2 (Dyed & Natural)
- 4. 100% Linen NM 1/26, .... on dyeing tube
- 5. Polyester/ Linen 75/25 Nm 32/1,... with slub
- 6. 30% Nylon/ 70% Cotton spun yarn Ne16/1, Ne30/1,...
- 7. PVA water soluble yarn from  $20 \%^{\circ}\text{C} \sim 90^{\circ}\text{CNe}201 \sim \text{Ne}801 \dots$ PVA water soluble thread from  $20 \%^{\circ}\text{C} \sim 90^{\circ}\text{CNe}202$ , ...Ne402...
- 8. Viscose Fiber 1.2Den, 1.4Den and 1.5Den x 38mm ....
- 9. Polyester Metallic Fiber



# Professional Sublimation Printing Transfer Paper Printing

Our specialty

- High-speed, high-volume printing Producing 4 times the volume of previous transfer paper printing, with exquisite color and gradation effects.
- Experience & expertise Prints and graphic design, color separation and typesetting, digital transfer printing, electronic engraving.
- Integrated services Combining e commerce management system with digitized printing process to provide stable quality and fast delivery. Also provide customized services for small quantity, largevariety and quick response orders.
- Green value An expert in eco-friendly heat sublimation transfer printing to create green value for customers.

本公司具35年以上專業及豐富的熱昇華(紙)轉印花加工經驗·於2009年設立電子雕刻製版部門·導入e化管理·廠內一貫生產:印花圖案設計、分色排版、數位轉印、雕刻製版、提供比以往更迅速及高品質的產量·並致力於生產印製前的耗損風險控管·降低製成品異常的協力·努力貫徹服務客戶之熱忱與客戶穩定互動·且提升企業綠色競爭力·從印花流行趨勢結合技術設計·透過客戶產品將專業口碑推向全世界。

















### 「PGRAND PRINTEXCO.,LTD. 廣懿股份有限公司

Contact: Ms. Chung 開發聯絡:鍾小姐 Tel:+886-2-8295-6877 Ext. 16

<sup>o</sup>Fax:+886-2-8295-5595

NO.2-11, Ln 48, Sec. 2, Minyi Rd., Wugu Dist., New Taipei City 24858, Taiwan Web:www.grand-printex.com E-mail: business@grand-printex.com globe.gravure@grand-printex.com



#### TAIWAN HIPSTER ENTERPRISE CO., LTD

ADD | No.10-10 Shu Tan Street, Shu Lin District,

New Taipei City, Taiwan TEL | +886-2-2687-0911

E-mail | hipster@ms14.hinet.net

Website | www.hipster.com.tw



SYSTEM PARTNER

CONFIDENCE IN TEXTILES

Tested for hormful substances occording to Cuita-Text\* Standard 100 000000000 Institute.

Excellent Waterproof Materials



# Elastic Yarn

#### **MAJOR PRODUCTS**

#### 1. Elastic Yarn

• Eycra / Spandex with Nylon / Polyester Yarn (Single / Double / Air-Jet Covering)

 Rubber Thread with Nylon / Polyester Yarn (Double Covering)

• Lycra / Spandex with Cotton Yarn (Single Covering)

2. Cotton Core Yarn

3.X'Yarn(for gloves top use)





#### SHINWITTEX CO., LTD. 新惠碁股份有限公司

Office: 7F-4, No. 19, Kuan Chien Road, Taichung City, Taiwan Factory: No.6,Zhongcun,Citong Township, Yunlin County 647, Taiwan

Contact Person : Ms. Jane Hu / President TEL : 886-4-23235752 / 23235762

FAX: 886-4-23232593

E-mail: sales1@shinwittex.com.tw jane.hu@msa.hinet.net



#### 一站式服務追蹤化學物質流向

#### One-stop Solution to KeepTrack of Chemicals

為協助時尚產業一同達成去毒化承諾,德國萊因TÜV已開發相關的服務和解決方案,從培訓到廢水測試、原材料和產品測試、化學品管理審核、風險評估和化學品管理培訓,以建立可持續性的服裝及鞋類產業供應鏈。

To accompany the fashion industry in achieving DETOX commitments, TÜV Rheinland has developed an impressive portfolio of services and solutions. These range from training and effluent testing, to raw material & product testing, to chemical management audits, risk assessment, and chemicals management training, to building sustainable apparel and footwear supply chains.

- 限制物質 (RSL/MRSL) 檢驗
   Restricted substances list / Manufacturing restricted substances list testing
- 歐盟 REACH 高度關切物質檢驗 EU REACH substances of very high concern (SVHCs) testing
- 時尚供應鏈適用的DETOX方案
   DETOX services for fashion supply chains
- 揮發性有機物質 (VOCs) 檢驗 VOC emission testing

Tel: 886-2-25287007 Email: service-gc@tuv.com

- 食品接觸材料與產品安全驗證 Food contact material/ product testing
- 兒童玩具與照護產品檢驗
   Toy and child-care product testing
- 生物可分解測試
   Biodegradability testing
- 環境荷爾蒙化學物質檢測
   Endocrine disrupter substance testing



# intertextile SHANGHAI apparel fabrics



potential at the industry's leading trade fair

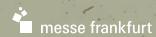
Autumn Edition: 11 – 13.10.2017 Spring Edition: 03.2018

National Exhibition and Convention Center (Shanghai), China

For enquiries, please contact us at itx-service@hongkong.messefrankfurt.com www.intertextileapparel.com







#### 紡織及鞋類製品服務

#### SGS SOFTLINE SERVICE IN TAIWAN





#### 重業服務

#### 紡織品測試

- 縮率及相關測試:水洗、乾洗、洗後外觀、蒸汽燙縮、織物及成衣歪斜測試
- 成份及組織分析: 紗支數、經緯密、布重
- 強度測試: 抗張強力、單紗強力、爆破強力、縫線滑脫、撕裂強力、 黏合強力…
- 功能性測試:消臭、吸濕發熱、接觸瞬間涼感、耐磨性、抗起毛毬性 鈎紗、透氣性、抗透濕阻力、透濕性、抗UV、抗菌測試、抗靜電…等

#### 鞋類製品測試

- 為Nike、Adidas、New Balance、Puma、Geox…等品牌所認可實驗室, 熟悉各廠牌測試要求與測試規格
- 鞋材部件、材料、原料測試:依照Satra / CNS / ISO / ASTM / BS AATCC / DIN ···等各種標準,針對一般鞋類、運動鞋、休閒鞋···產品測試 色牢度、抗拉強度、剝離強度、透濕、耐候、耐曲折、耐磨耗、鞋材止滑測試···等
- 有害限制物質: 偶氮、重金屬、甲醛、五氯酚、可塑劑、六價鉻、PVC…等

#### 測試訓練課程

針對實驗室人員提供實際操作、標準解說的訓練課程。 針對業務人員提供完整測試操作流程影片介紹,使其了 解並具備測試要求的能力。



#### www.sgs.tw

台灣檢驗科技股份有限公司 SGS Taiwan Ltd.

電話: 02-2299-3279轉5220、5223、5227、5228 07-301-2121轉4203







The Best Source For

# TAIWAN FUNCTIONAL TEXTILES



#### A bridge for global functional textile world

Taiwan Functional Textiles have been equated to premium quality. In general, the grades of functional textile are tested by the equitable laboratory according to specified requirements by the certification committee for functional and technical textiles. Meanwhile, buyers and consumers could be sure of the quality through certification and certified tags.

TFT certification has gone into the 17th year and is moving towards becoming abridge to global functional textiles for quality assurance.

台灣機能性紡織品已成為國際品牌買主對機能性紡織品品質信賴的保證;根據驗證評議委員會嚴格制定的標準・委由國際認證的實驗室進行檢測・經台灣紡拓會進行等級驗證・針對通過驗證產品頒發證書及發放產品吊牌・為通過機能性紡織產品背書。

目前TFT驗證服務與市場行銷推廣已邁入第17年·未來發展目標將以成為"全球機能性紡織品品質保證的驗證品牌獲推"。



#### 驗證流程

#### **Procedure of Taiwan Functional Textiles**



#### 全球展覽拓銷活動



產品範圍

#### **Campaigns of Taiwan Functional Textiles**

台北魅力國際時裝展(TIS)

展覽名稱

德國 Techtextil 產業用紡織品展		法蘭克福	
中國 Cinte Techtextil 產業用紡織品展	*,2	上海	高科技及產業用紡織品
北美 Techtextil 產業用紡織品展		亞特蘭大	
運動及戶外用紡織品拓銷活動			
美國 Outdoor Retailer 冬季戶外活動用品展		鹽湖城	
德國 ISPO Munich 慕尼黑運動用品展		慕尼黑	
德國 European Outdoor 戶外活動用品展		腓特烈港	功能性成品布、副料及戶外活動服裝、服飾品
美國 Outdoor Retailer 夏季戶外活動用品展		鹽湖城	· 划形住规印册、删料及户外点到旅表、旅剧印
上海 ISPO 運動用品展	*2	上海	
Asia Outdoor 亞洲戶外用品展覽會	*/	南京	
台北紡織展 (TITAS)	*	台北	纖維、紗線、布料、副料、服裝、服飾品、產業相關服務
衣著用紡織品拓銷活動			
拉斯維加斯 (春夏 / 秋冬) Magic Show 國際紡織品展		拉斯維加斯	成品布、副料、服裝、服飾品
Avantex Paris Autumn 巴黎創新紡織品展			成品布、副料
中國國際紡織面料及輔料 (春夏 / 秋冬) 博覽會 ( 上海Intertextile展 )	*,2	上海	· 从 和 ① 、 画 》 44

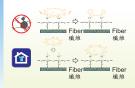
台北

成品

城市

#### FTTS-FA-001

#### Antibacterial Textiles for General Use



ORMANCE	

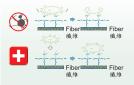
	Туре	Grade	Classification	Washing cycles	percent reduction of bacterial, R
		AAAAA	Excellent	50 Washing	R ≥ 99.9
	U	AAA	Good	50 Washing	99 ≦ R < 99.9
		AAAAA	Excellent	20 Washing	R ≥ 99.9
		AAA	Good	20 Washing	99 ≦ R < 99.9
		AAAAA	Exce <b>ll</b> ent	No washing required (disposable)	R ≥ 99.9
<b>'</b>	•	AAA	Good	No washing required (disposable)	99 ≦ R < 99.9

#### **CERTIFIED SUPPLIERS**

• Shen Ji Technology Co., Ltd.

#### FTTS-FA-002

#### Antibacterial Textiles for Medical Use



#### PERFORMANCE SPECIFICATION

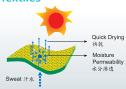
Туре	Grade	Classification	Washing cycles	percent reduction of bacterial, R
	AAAAA	Exce <b>ll</b> ent	100 Washing	R ≥ 99.9
O	AAA	Good	100 Washing	99 ≦ R < 99.9
<b>(II)</b>	AAAAA	Excellent	No washing required (disposable)	R ≧ 99.9
	AAA	Good	No washing required (disposable)	99 ≦ R < 99.9

#### **CERTIFIED SUPPLIERS**

Gauss Furniture L. L.C.

#### FTTS-FA-004

#### Moisture Transferring and Quick Drying Textiles



#### PERFORMANCE SPECIFICATION

Туре	Diffusion ability	Drying ability	Absorbency speed (Dropping)	Absorbency speed (Byreck)	Classification
1	5	5	Pass	X ≧ 130mm	Exce <b>ll</b> ent
11	4	4	Pass	130mm > X ≧ 100mm	Very Good
•	3	3	Pass	100mm > X ≧ 80mm	Good

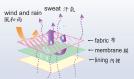
#### **CERTIFIED SUPPLIERS**

- Yi Bao Originality Life Accessory Co., Ltd.
- Globe Trotter Industrial Co., Ltd.
- Mitas Co., Ltd.
- ShinKong Synthetic Fibers Corp.
- Chin Hsiang Shun Co., Ltd.
- Diamond Hosiery & Thread Co., Ltd.
- Chin Hsiang Shun Co., Ltd.
- Chin Hsiang Shun Co., Ltd.
   Handseltex Industrial Corp.,
- Yea Chin Co., Ltd.
- Hana Fashion Co., Ltd.

- Sain Sou Co., Ltd.
- Can Link Textile Co., Ltd.
- Rui Yuan Co., Ltd.
- Yi Jinn Industrial Co., Ltd.
- S.B.Motif Co., Ltd.
- Li Dai Industrial Co., Ltd.
- Rui Yuan Co., Ltd.
- Tai Chin Co., Ltd.
- Glowtex Co., Ltd.

#### FTTS-FA-005

#### Water-Vapor Permeable and Liquid-Water Impermeable Textiles



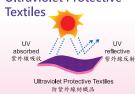
PERFORMANCE SPECIFICATION						
Hydrostatic Pressure (mmH <sub>2</sub> O)	Grade	Classification				
15000 ≦ Wp	5	Exce <b>ll</b> ent				
8000 ≤ Wp < 15000	4	Very good				
4000 ≦ Wp < 8000	3	Good				
2000 ≤ Wp < 4000	2	Moderate				
300 < Wp < 2000	1	Fair				

#### **CERTIFIED SUPPLIERS**

- Rui Yuan Co., Ltd.
- Li Dai Industrial Co., Ltd.

#### FTTS-FA-008

#### **Ultraviolet Protective**



#### PERFORMANCE SPECIFICATION

UPF	Erythemal ultraviolet penetration rate (%)	Grade	Classification
40 - 50 \ 50+	≦ 2.5	А	Excellent
25 - 39	2.6 ~ 4.1	В	Very Good
15 - 24	6.7 ~ 4.2	С	Good

#### **CERTIFIED SUPPLIERS**

- Globe Trotter Industrial Co., Ltd.
- XunYing Co., Ltd.
- Yumoza Co., Ltd.

Evaluation

- Yi Bao Originality Life Accessory Co., Ltd.
- Advance Hitech Textile International Co.
- Handseltex Industrial Corp.,
- Cheng Ji International Co., Ltd.

- 3D Clothing Company
- Zig Sheng Industrial Co., Ltd.
- Can Link Textile Co., Ltd.
- Levon Outdoor Co.,Ltd.
- Li Dai Industrial Co., Ltd.
- Hung Yi Clothing Enterprises Ltd.
- Shunyin International Co., Ltd.

#### FTTS-FA-010

#### **Far Infrared Textiles**

# SOLAR ENERGY 光能 Far Infrared Textile 遠紅外線紡織品 Heak-Regeneration by Far—Infrared Tax 描述外線紡織品 接近外線紡織 多種能量 SKIN 皮膚

#### PERFORMANCE SPECIFICATION

	Far Infrared Spectral Emissivity : The average emissivity of light waves with the wavelength of 2-22 $\mu$ m is not less than 0.80, as measured by Far-Infrared spectrophotometer.
Far Infrared Characteristics	Re-radiating Characteristics: Difference in temperature between the test sample and reference sample is not less than + $0.5^{\circ}$ C and the effective difference is better than the reliable limit of 95%
Temperature Characteristics	Thermograph / Monitor Test: Difference in average skin temperature of specific body part while wearing test sample as opposed to wearing reference sample is not less than +0.5°C.
Туре	Scope of the requirements
Α	Qualified standard by passing far infrared characteristics.
A+	Qualified standard by passing far infrared characteristics and temperature characteristics.

Qualification

#### **CERTIFIED SUPPLIERS**

- Hana Fashion Co., Ltd.
- Nan Ya Plastics Co., Polyester Fiber Division
- Healthin International Co. Ltd.
- DNV International Co., Ltd.
- Chiun Der Enterprise Co., Ltd.

#### FTTS-FA-011

#### **Water Repellent Textiles**



#### PERFORMANCE SPECIFICATION

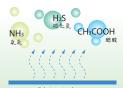
	Washing Condition				
Туре	As Received	After 10 times washing	After 20 times washing	Usage Reference	
1	Above 90		Above 80	Durable Water Repellency	
1	Above 90	Above 80	<u>—</u>	Durable Water Repellency	
	Above 90			Normal Water Repellency	

#### **CERTIFIED SUPPLIERS**

- Crystal Profit Boutique Co., Ltd.
- Chi Hsin Weaving Fty Co., Ltd.
- Globe Trotter Industrial Co., Ltd.
- Kings Family Industrial Co., Ltd
- Shikiori Enterprise Co., Ltd.

#### FTTS-FA-018

#### **Deodorized Textiles**



Fabric 紡織品

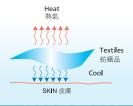
#### PERFORMANCE SPECIFICATION

		Percentage of Odor Reduction (%)		
Grade	Test Time (Hour)	Ammonia	Hydrogen Sulfide	Acetic Acid
A+	2	≥ 80	≥ 80	≧ 85
А	24	≧ 70	≥ 70	≧ 80
В	24	≥ 50	≥ 50	≥ 50

- **CERTIFIED SUPPLIERS**
- Chyau-Ke Co. Ltd.
- Tsinmei Textile Co., Ltd.
- Tung Tung Enterprise Co., Ltd. Formosa Chemical & Fibre Corporation (Textile Division)

#### FTTS-FA-019

#### **Cool Feeling Textiles**



#### PERFORMANCE SPECIFICATION

#### Maximum heat loss per unit (W/cm2)

Knit	≧ 0.130
Weave	≥ 0.170
Item	Test method
Washing durability	Washed based on CNS15140 8B for knitted fabrics.
wasning durability	Washed based on CNS15140 7B for woven fabrics.

#### **CERTIFIED SUPPLIERS**

- Xiamen YizuanTrading co.,Ltd.
- Zig Sheng Industrial Co., Ltd.
- XunYing Co., Ltd.
- Yea Chin Co., Ltd.
- Chardlin Co., Ltd.
- Chin Hsiang Shun Co., Ltd.
- Levon Outdoor Co.,Ltd.
- Handseltex Industrial Corp.,

- Zig Sheng Industrial Co., Ltd.
- Cheng Ji International Co., Ltd.
- Four Elements Energy Biotechnology Co., Ltd.
- Kangcheng Sheng Medical Technology Co., Ltd.
- Tsinmei Textile Co., Ltd.
- Mega Master Technology Co., Ltd.
- ShinKong Synthetic Fibers Corp.
- Nan Ya Plastics Co., Polyester Fiber Division

#### TFT CERTIFICATION SYSTEM Quality | Comfortably | Safe | Healthy





FTTS-FA-001 -般用途抗菌加工紡織品 Antibacterial Textiles for General Use



醫療用途抗菌加工紡織品 Antibacterial Textiles for Medical Use



FTTS-FA-003 防電磁波紡織品 Electromagnetic Shielding Textiles



FTTS-FA-006 防黴性紡織品 Antifungal Textiles



FTTS-FA-007 防縐紡織品 Wrinkle Free Textiles



FTTS-FA-004 吸濕排汗速乾紡織品 Moisture Transferring and Quick Drying Textiles



FTTS-FA-009

Antistatic Textiles

FTTS-FA-013

易去污紡織品

抗靜電紡織品

FTTS-FA-005

透濕防水紡織品 Water-Vapor Permeable and Liquid-Water Impermeable Textiles



FTTS-FA-011 潑水紡織品 Water Repellent Textiles



FTTS-FA-008

Ultraviolet Protective Textiles



FTTS-FA-010

遠紅外線紡織品

Far Infrared Textiles

FTTS-FA-012 撥油紡織品 Oil Repellent Textiles

### Stain Release Textiles

FTTS-FA-015 防焰紡織品 Flame-Resistant Textiles





保暖性含炭填充纖維紡織品 Charcoal Contained Filler Fiber Textiles for Warmth Retention



FTTS-FA-017 含炭填充材消臭性紡織品 Deodorization for Charcoal Contained Filler Textiles

#### FTTS-FA-018 消臭加工紡織品 Deadorized Textiles

FTTS-FA-019 瞬間涼感紡織品 Cool Feeling Textiles





Jogging Clothing

FTTS-GA-024 運動用自行車衣 Cycling Clothing

FTTS-GA-025 FTTS-GA-026 慢跑服

節能衫 Specified Requirements of Energy-saving Clothing



FTTS-FA-023 吸濕發熱紡織品 Generating Heat-Textiles by Moisture Absorption





經濟部國際貿易局 Bureau of Foreign Trade Ministry of Economic Affairs



更多資訊可至官網查詢 http://tft.ttfapproved.org.tw

經濟部國際貿易局 廣告 AD by Bureau of Foreign Trade

# Taiwan Innovative Wool Textiles New Design & Innovation

#### Fine & New Blend Yarn

#### **New Techniques & Functionality Fabrics**

#### **New Products**

Bamboo Charcoal Fiber Cashmere Extrafine Wool Merino Wool Microfiber Natural Stretch Solvent Spinning Super 80's and finer Super Wash Wool Top Winter-Gauze Wool Grease Colorful Down Apparel Bio-degradable Polyester

#### **New Blends**

Wool plus Lycra Wool/Bamboo Wool/Linen Wool/Metallic Wool/Silk Wool/Cotton Wool/Rayon Wool/Nylon Wool/Polyester W/N/R T/W Wool/PP Tencel®/Wool Modal®/Wool

#### **New Techniques** Burn Out

Carbonized Wool Coated & Bonding Comfort and Elegance Crashed/Crinkle Finishing Felted/Boiled Wool Laser Techniques Luxury & Technology Machine Washable Quilted/Embossed Stretch Flannels Tie & Dye Total Easy Care Transfer/Pigment Print

#### **New Functionality**

**Antibacterial** Antifungal Textiles Antistatic Deodorization Electromagnetic Shielding Far Infrared Flame-Resistant Moisture Transferring and Quick Drying Oil Repellent Stain Release Ultraviolet Protective Water Repellent Water-Vapor Permeable and Liquid-Water Impermeable Wrinkle Free

#### **Member List**

3C-TEX INTERNATIONAL CO., LTD All Magic Sport Co., Ltd. Anndywell Co., Ltd. Carol Textile Co., Ltd. Chia Her Industrial Co., Ltd. Chia Industrial Co., Ltd. Chuwa Wool Industry Co., (Taiwan) Ltd. Creative Tech Textile Co., Ltd. Danken Enterprise Co., Ltd. Derwel Textile Co., Ltd.

#### DJIC Limited

E.Textint Corp. Gemloom Textile Co., Ltd. Handseltex Industrial Corp. Hans Global Textile (Taiwan) Co., Ltd. Interational Landmard Machine Co., Ltd. Jeneten Enterprise Co., Ltd. Jenn Shyana Textile Co., Ltd. Juey Huang Enterprise Co., Ltd. King Yung Mo Trading Co., Ltd. Kuon Tai Textile Co., Ltd.

Ming Ho Wool Industry Co., Ltd. Polyunion Ind. Ltd. Protect Accessory Co., Ltd. Reward Wool Industry Corporation San Shing Spinning Co., Ltd. Seaward Wool Textile Co., Ltd. Sunshune Textile Co., Ltd. Tai Fu Textile Co., Ltd. Tomlong Techstile Corp. Victorytex International Co., Ltd.

10万分分别人的第三人称形式

Dingtex Fashion Company ..Ltd

Tel: 886-2-23913544, 23518774 Fax: 886-2-23518771 Taiwan Wool Textile Industrial Association E-mail:wooltia@textiles.org.tw http://www.wool.org.tw

動紗、織布染色及整理一貫作業廠 Spinning、Weaving、Dye & Finishing Manufactory

#### 佳和實業股份有限公司

Chia Her Industrial Co., Ltd.

負責人: 翁茂鍾 董事長 PRESIDENT: Maw-Jang Wong 業務代表: 翁 特肋 偉翙 MANAGER: Chose Wong 聯絡電話: 886-2-25065151 聯絡傳真: 886-2-25065160

主要產品:功能性羊毛、棉紗、合成纖 維紗、混紡及純毛、戶外運 動用品布

PRODUCTS: Functional Wool worsted
Yarn worsted Blended
Yarn All Wool & Blended
Fabric for Outdoor Sports

Email: services@chgtex.com <mailto:faxuser@mail.ihwa.com.tw>

Website:www.chgtex.com <a href="http://www.ihwa.com.tw">http://www.ihwa.com.tw</a>



#### ◎ 梳毛紡紗廠 Worsted Spinning Manufactory

瑞皇企業股份有限公司

Juey Huang Enterprise Co., Ltd. 負責人:黃文瑞 董事長 PRESIDENT: Wen-Ruey Huang 業務代表:黃志賢 總經理 Gen Manager: Chin-Hsien Huang TEL: 886-2-29713590 FAX: 886-2-29853959

主要產品:梳毛紗、紡毛紗、兔毛 PRODUCTS : Worsted Yarn

> Worsted Blended Yarn Angora Hair Yarn

E-mail: jueyhuan@seed.net.tw



#### 勤益股份有限公司

新加及の GXX G GTM Corporation 負責人: 顧擎基 董事長 PRESIDENT: George Gu 業務代表: 顧克基 協理 VICE PRESIDENT: Kenneth Gu

TEL: 886-2-27415000 886-2-25523466

FAX: 886-2-27765073 主要產品: 梳毛紗、梳毛布料、西服

PRODUCTS: Worsted Yarn
Worsted Blended Yarn
Woolen/Worsted Fabric

Suits

E-mail : kengu@gtm.com.tw



#### 郡隆纖維股份有限公司

Gemloom Textile Co., Ltd. 負責人: 林基福 重事長 PRESIDENT: J. F. Lin 業務代表: 許偉賢 副總經理 VICE MANAGER: Rocky W. H. Hsu TEL: 886-2-28756262 FAX: 886-2-28756363

主要產品: 梳毛紗、AW混紡紗、織布紗 、花式撚紗

PRODUCTS: Worsted Yarn Blended Yarn Wool Weaving Yarn

Fancy Yarn E-mail: sales@gemloom.com.tw



#### 信華毛紡股份有限公司

Seaward Wool Textile Co., Ltd. 負責人: 簡茂男 董事向 PRESIDENT: M. N. Chien 業務代表: 黃志揚 經理 MANAGER: Eddy Huang TEL: 886-2-25312161 FAX: 886-2-25362124

主要產品:純羊毛紗、成衣、梳毛混紡紗、 毛衣、紡毛混紡紗、梳毛織品(男、 女裝手約1、純手繼品(男、女裝手約1

文芸毛科)、約毛橋品(男・文芸毛科) PRODUCTS: Worsted Spun, Garments, Wool Sweater, Woollen Yarn, Worsted Fabric (Man's & Ladies) Woolen Fabric

(Man's & Ladies)
E-mail: seaward@ms21.hinet.net
hungsir@seawardwool.com.tw



#### 山象紡織股份有限公司

Sunshune Textile Co., Ltd. 負責人: 陳輝權 董事長 PRESIDENT: Chen Huei Yau TEL: 886-2-25582349 FAX: 886-2-25582448 主要產品: 羊毛紗、羊毛混舫紗 PRODUCTS: Woollen Yam

Blended Yarn
E-mail: ching.george@msa.hinet.net



#### 三新紡織股份有限公司

San Shing Spinning Co., Ltd. 負責人:吳中堅 董事長 PRESIDENT: C.G. Wu 業務代表:吳中和 總經理 Gen Manager: C. H. Wu

TEL: 886-2-25524233 FAX: 886-2-25525881

主要產品:毛混紡紗、毛混紡織物、T/R混紡 色紗、T/R格子布、聚酯加工絲

PRODUCTS: Worsted Blended Yarn
Worsted Blended Fabric
T/R Check Fabric
Polyester Texturized Yarn

E-mail: robert@colortex.com.tw Website: www.colortex.com.tw



#### 瑋霖有限公司

DJIC Limited 負責人: 吳正忠 董事長 PRESIDENT: Daniel Wu 業務代表: 張雅華 CONTACT: Grace Chang TEL: 886-2-2516-4766 FAX: 886-2-2516-4768 主要產品: 毛納棉約化纖針織布的染整

王要產品:毛紡/棉紡/化纖/針纖布的染蓋 、織造和印花

PRODUCTS: wool/cotton/polyknit fabric for dyeing/printing/knitting

E-mail: sale@djic.com.tw Website: www.djic.com.tw



☑紡毛紡紗廠 Voolen Spinning Manufactory

#### 綱泰毛紡股份有限公司

Kuon Tai Textile Co., Ltd. 負責人:吳正宗 董事長 PRESIDENT: J. T. Wu 業務代表:吳曉玲 經理 MANAGER: Charlene H.L. Wu TEL: 886-2-25995816 FAX: 886-2-25991649

主要產品: 紡毛紗、混紡紗、毛毯、混 紡織物、紡毛織物、針織紗 、織布紗、點子紗

PRODUCTS: Woolen Hosiery Yarn, Woolen Blend Yarn, Woolen Blanket, Woolen Blend Fabric, Woolen Fabrics, Woolen Knitting Yarn, Woolen Weaving Yarn, Nep Yarn E-mail: charlenewu@symcointl.com



#### 中和羊毛工業股份有限公司

Chuwa Wool Industry Co., (Tajwan) Ltd. 負 責 人:陳植英 董事長 PRESIDENT : C. Y. Chen 業務代表:黃進財 總經理 MANAGER : G. T. Huang TEL: 886-2-26591506 FAX: 886-2-26591509 主要產品:毛條、炭化毛、防縮毛條、 防縮散毛

PRODUCTS: Wool Top Carbonized Wool Wool Grease Machine Washable Wool Top Machine Washable Loose Wool

E-mail: chuwa@ms15.hinet.net



#### ●毛織布廠 Wool Weaving Manufactory

#### 泰福紡織股份有限公司

Tai Fu Textile Co., Ltd. 負責人:陳順理 董事長 PRESIDENT : S. L. Chen 業務代表: 陳俊賢 總經理 GEN MANAGER : Chun-Hsien Chen TEL: 886-6-2703331 FAX: 886-6-2703333 主要產品:毛織布

PRODUCTS: Wool Fabric E-mail: taifu.tex@msa.hinet.net



#### 明和羊毛股份有限公司

Ming Ho Wool Industry Co., Ltd. 負責人:楊明達 董事長 PRESIDENT : Steve Yang 業務代表: 甘建民 Jason Gan TEL: 886-2-2451-8996 FAX: 886-2-2451-9236 主要產品:紡紗 PRODUCTS: Wool Top

E-mail: gan225896@kimo.com



#### 振翔紡織股份有限公司

Jenn Shyang Textile Co., Ltd. 負責人:王波濤 董事長 PRESIDENT : P. T. Wang 業務代表:王元材 總經理 GEN MANAGER: Y. S. Wang TEL: 886-6-2705161 FAX: 886-6-2705164 主要產品: 混紡毛織布、毛織布 PRODUCTS: Woolen Blend Fabric

E-mail: js.textile@msa.hinet.net

Wool Fabric



#### ■功能性紡織品供應商 Functional Textile Suppliers

#### 駿賢企業股份有限公司

D.A.G. Co., Ltd. 負責人:張大鈞 董事長 PRESIDENT: David Chang TEL: 886-2-25551355 FAX: 886-2-25580067

主要產品:男裝及女裝一精紡,粗紡毛料 及化纖混紡面料:各種紗、 布及其他紡織品

PRODUCTS: Worsted, Woolen And Synthetic Fabric For Men's And Ladies'

E-mail: dag.ckmain@msa.hinet.net



#### ■原料廠 Raw Material Manufactory

#### 利華羊毛工業股份有限公司

Reward Wool Industry Corporation 負責人:應柔爾 董事長 PRESIDENT: King Rosa Roueel 業務代表:陳朝銘 總經理 GEN MANAGER : C. M. Chen

TEL: 886-2-27811161 FAX: 886-2-27521193

主要產品:毛條、炭化毛、防縮毛條、 防縮散毛

PRODUCTS: Wool Top Carbonized Wool Wool Grease Machine Washable Wool Top Machine Washable Loose Wool E-mail: reward@reward.com.tw



#### 湯姆隆實業股份有限公司

Tomlong Techstile Corp. 負 責 人:吳明顯 董事長 PRESIDENT: Vincent Wu TEL: 886-4-26815977 FAX: 886-4-26815663 主要產品:各種纖維紗類、紡織品、TPU 紡織品貼合業務

PRODUCTS: Fiber, Textile Fabrics, TPU Laminated Fabrics

E-mail: info@tomlong-tpu.com Website: www.tomlong-tpu.com



#### 得維紡織股份有限公司

Derwei Textile Co., Ltd. 負責人:陳金德董事長 PRESIDENT: Chen Chin Te TEL:886-4-23505001

FAX: 886-4-23505005

主要產品:粘扣布、苯卡印花、旅行箱用布、 嬰兒車網布、成衣用布、PET環保 紗、抗UV、吸濕排汗、防電抗菌、 防火組燃、功能性網布、網布貼合

PRODUCTS: Velcro, Lycra Printed, Luggage Net, Baby Cart Net, Garment Fabrics, Anti-UV, Wicking, Anti-Bacterial, Flame Retardant, Functional Fabrics, PVC, TPU, PEVE, EVA And Lamniation... E-mail: denvei@denveitex.com.tw

derwei@ms34.hinet



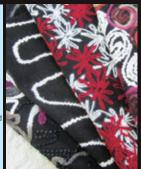
#### **鼎順紡織有限公司** DINGTEX FASHION COMPANY., LTD. 負責人:陳憲忠 總經理

PRESIDENT: Johnson Chen
TEL: 886-2-82956069
FAX: 886-2-82956029

主要產品:平纖,針纖,棉,麻,提花。 牛仔布及各種流行布料。

PRODUCTS: Woven, knitted, cotton, linen, jacquard, denim and

fashion item.
E-mail: dingtex@ms6.hinet.net



#### 翰新實業股份有限公司

Handseltex Industrial Corp.

負責人:蔡錦芳董事長 PRESIDENT: Teason Tsai 業務代表:吳彥欣Jenny Wu TFI: 886-2-25217356

FAX: 886-2-25211055 主要產品: 針織布料買賣 PRODUCTS: Fancy Knits E-mail: jenny@hst.com.tw Website: www.hst.com.tw



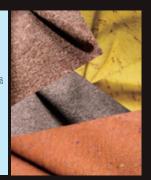
#### 詠祥紡織股份有限公司

Carol Textile Co., Ltd. 負責人:林壽山 董事長 PRESIDENT: Michael Lin TEL:886-2-25583730 FAX:886-2-25590007

主要產品:各種針織品、紡織品、梭織品 等各種流行布料。

PRODUCTS: Jackets,outdoor-wear, shirts, sportswear and

varieby of Actire-wear.
E-mail : sunny@caroltex.com
Website : www.caroltex.com



#### 鼎祐國際實業有限公司

Protect Accessory Co.,Ltd. 負責人:王金菊 董事長 PRESIDENT:游胶龍 Wayne TEL: 886-2-29860022 FAX: 886-2-29899451 主要產品:成衣輔料

PRODUCTS: Accessories for outdoor wear.

E-mail: service@dragon-times.com Website: www.dragon-times.com



#### 信岳織造廠股份有限公司

Polyunion Ind. Ltd. 負責人:邱岳坤 董事長 PRESIDENT:Chiu Yueh Kun 業務代表:李勇達 經理 MANAGER:Darren Li TEL:886-4-26816356 FAX:886-4-26815194 主要备品:編帶、腰帶、縣緊帶、提花

主要產品:概帶、腰帶、鬆繁帶、提化 帶、圓繩、大小帶等 PRODUCTS: Webbing, Elastic Band,

Jacquard Webbing,

Variable Webbing, Cord E-mail: tehgoang@ms15.hinet.net Website: www.polyunion.com.cn



#### 鼎祥國際興業有限公司 3C-TEX

INTERNATIONAL CO., LTD 負責人:游炳和 董事長

PRESIDENT: JALVIN YU 業務代表: 曾玉宜 CONTACT: YUI JENG TEL: 886-5-2348898 FAX: 886-5-2348896

主要產品:尼龍布針織布,彈性布,聚脂布 PRODUCTS: NYLON,POLYESTER E-mail: alvin0519@gmail.com

Website: www. 3c-tex.com



#### 國際置地股份有限公司 Interational Landmard Machine Co., Ltd.

負責人:吳正忠 PRESIDENT: Daniel Wu 業務代表:張雅華

CONTACT: Grace Chang 聯絡電話: 886-2-2508-1668 聯絡傳真: 886-2-2516-4768 主要產品: 毛紡/棉紡/化纖/針織布的

染整、織造和印花

PRODUCTS: wool/cotton/polyknit fabric for dyeing/printing/knitting., E-mail: sale@djic.com.tw 公司網址: www.djic.com.tw

#### 金羊毛貿易有限公司

King Yung Mo Trading Co., Ltd. 負責人:張萬華董事長 PRESIDENT: Wan Hua Chung 業務代表:鍾佳侃 Ken Chung TEL:886-2-25598846-48 FAX:886-2-25598849

主要產品:尼羢布匹、毛紗買賣;各 種服裝服飾買賣及進出口

業務
PRODUCTS: Cashmere fabric,wool yarn sale;clothing sale and

import and export business

E-mail: kym.tcl@msa.hinet.net Website: www.kymtcl.com

#### 泰昇貿易股份有限公司

Victorytex International Co.,Ltd. 負責人: 林世權 董事長 PRESIDENT: Lin Shih-Chuan TEL: 886-2-25312028

TEL: 886-2-25312028 FAX: 886-2-25312069

主要產品:男裝女裝面料,運動用布,襯衫布 PRODUCTS: Polyester, T/R, T/C, cotton for menswear, ladieswear, sportswear

E-mail : Joy@victorytex.com.tw



#### 東肯企業有限公司

Danken Enterprise Co., Ltd. 負責人: 陳慶鍾 董事長 PRESIDENT: Bell Chen 業務代表: 陳美燕 MANAGER: Mary Chen TEL: 886-2-28883070 FAX: 886-2-28804174 主要產品: 襪子: 手套

主要產品:襪子,手套 PRODUCTS:Socks, Glove E-mail:mary@danken.com.tw danken@danken.com.tw Website:http://www.danken.com.tw



#### 依田股份有限公司

E.Textint Corp. 負責人:陳清樂 董事 PRESIDENT: CL. Chen 業務代表:王月娥 經理 MANAGER: Y. L. Wang TEL: 886-3-327-8155

FAX: 886-3-327-7027 主要產品: 成衣/紡織品用熱轉印標業製

PRODUCTS: Heat Transfers for Garments & Textile etc.

E-mail: transale@textint.com.tw Website: www.textint.com.tw

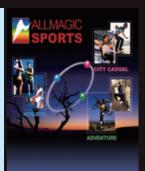


#### 澳美針織有限公司

All Magic Sports Co., Ltd. 負責人:張冷豐 董事長 PRESIDENT: Arron Chang 業務代表:吳美華 小姐 MANAGER: Monica TEL: 886-2-29956199 FAX: 886-2-29954560

主要產品:各類紡織品、針織布、布疋 、成衣等業務

PRODUCTS: Functional Fabrics etc. E-mail: allmagic@ms24.hinet.net Website: www.allmagicsports.com



#### 誠佳科技紡織股份有限公司

Creative Tech Textile Co., Ltd. 負責人:王葉訓董事長 PRESIDENT: Eddie Wang TEL:886-6-2727287 FAX:886-6-2727282

主要產品:各種紡織品、布疋,衣著… 等各種流行布料

PRODUCTS: Jackets,outdoorwear,shirts,sportswear and varieby of Actirewear

E-mail : eddie@hansglobaltextile.net



#### 庭鋒企業有限公司

Anndywell Co., Ltd. 負責人:洪振耀董事長 PRESIDENT: Chia-Pei, Chang 業務代表:洪振耀總經理 Gen Manager: David, Hung TEL: 886-2-22693530 886-2-22693531

FAX: 886-2-22693532 主要產品:彩色羽絨服 PRODUCTS: Colorful Down Apparel E-mail: d1@rainbowdown.com Website: www.rainbowdown.com



#### 宗展股份有限公司

聯絡傳直:886-2-25583160

Chia Industrial Co., Ltd. 負責人:簡裕宗 董事長 PRESIDENT:Y.T. JEAN 業務代表: 林紹德 MANAGER: EDWARD LIN 聯絡電話: 886-2-25580208

主要產品: 功能性衣著用布、環保用約品、透潔的水約織品、吸濕速乾約織品。 吃紫外線紡織品

PRODUCTS: international trade, textile industry, dyeing and finishing, industry, clothing industry. Email:tzong.jain@msa.hinet.net

Website: WWW.elitexglobal.com

#### 偉僑國際股份有限公司

Hans Global Textile (Taiwan) Co., Ltd. 負責人:蘇文華 董事長 PRESIDENT: Robert Su TEL: 886-6-3133353, 3133354 FAX: 886-6-3133347

主要產品:抗紫外線吸濕快乾機衫料: 回收環保布:竹鐵及竹炭機衫 料:防水透濕布:三層布 二層布料

PRODUCTS: UV-Protect & Q-Dry,
Moisture Release Shirting,
ECO-Textile, Bamboo
Shirting, Bamboo Charcoal
Shirting
E-mail: hansroc.tainan@gmail.com

#### 真麗展企業有限公司

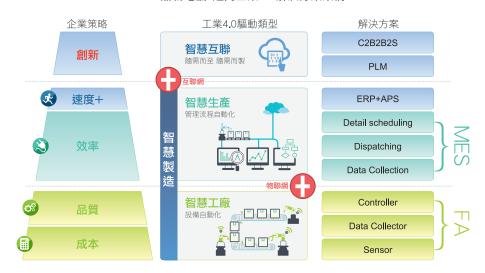
其他RELE 本 日以公可 Jeneten Enterprise Co., Ltd. 負責人: 范基正 總經理 PRESIDENT: Fang Chi Cheng TEL: 886-2-232/32208 FAX: 886-2-23973225 手機:886988659448 主要番品: 吸熱布

PRODUCTS: Inhale Hot Textile E-mail: Jeneten.co@msa.hinet.net Website: www.heatingz.com





#### 鼎新電腦 邁向工業4.0解決方案架構



▼立即搜尋鼎新,或一掃QR瀏覽完整解決方案

紡織成衣業 鼎新

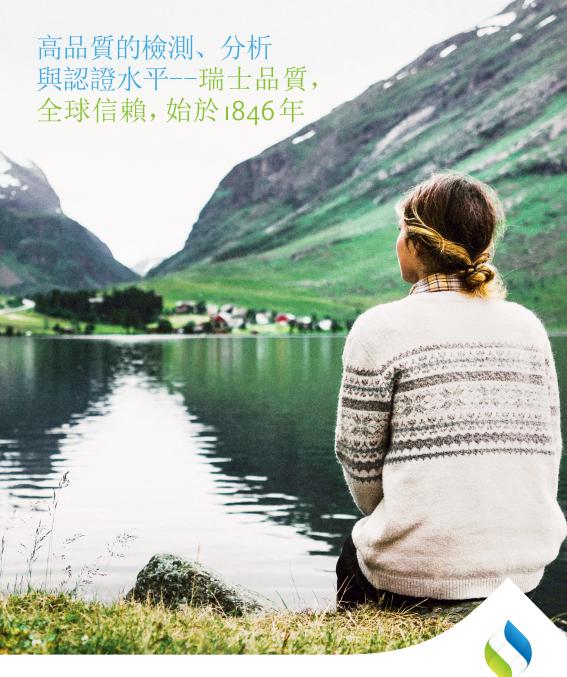






▶ 客戶服務專線: 0800-888-162

鼎新電腦·鼎捷軟件·鼎捷軟件(越南)·鼎捷軟件(馬來西亞)·鼎華系統·智互聯(深圳)科技



TESTEX代表高品質的檢測、分析與認證水平--瑞士品質,全球信賴。我們是全球認可的獨立 檢測實驗室。更多信息請訪問

www.testex.com | TESTEX® 臺北代表處 Tel:02-2706-2828 Fax:02-2706-0202 E-mail:taipei@testex.com

TESTEX®





## **Chromuch** Dope Dyeing Go Beyond Traditional Dyeing.

It is very great and proactive to reach significant ratio of environmental friendly dyeing fabric by 2020 ,but not easy at all.

Please contact with Nan Ya **Chromuch**, we would make it realized. **Chromuch** is the best dope dyeing, we believe.

- Amount all dope dyeing colors, *Chromuch* <sup>®</sup> has the deepest and the most brilliant color with good fastness.
- Within certain color range, changing color the fastest and spinning production flexibility the best.
- Due to better solvent resistance and better light fastness than traditional dyeing, the application of **Chromuch** Fiber is wilder.





