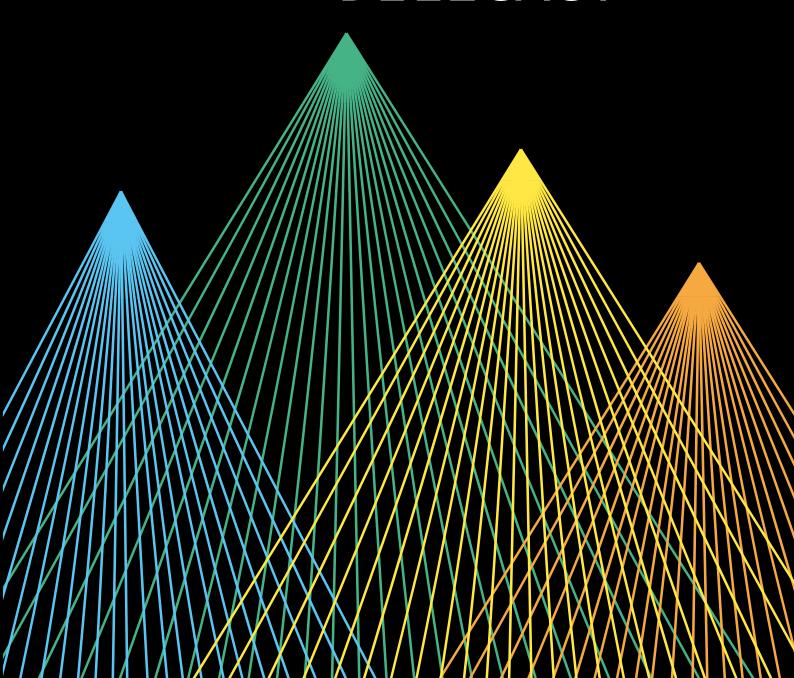
HANGZHOU DELICACY



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1 INTRODUCTION

About Us Business Philosophy

2 SUSTAINABLE MANAGEMENT

Waste water recycle system
Drying and heat setting machine
Photovoltaics program
Environmental Protection Certifications

3 EQUIPMENTS

Twist Yarn
Weaving & Dyeing
Finish
Extra Finish

4 PHYSICAL-MECHANICAL TEST

5 PRODUCT

Outdoor sports Eco-Friendly Leisure Furnishings

11 CONTACT US

INTRODUCTION

About Us

HangZhou Delicacy was founded in 1997, HangZhou, China. A sole proprietorship corporation owned by Delicacy Taiwan and is well known in fabric industry which provides vertical services from manufacturing to marketing. Our main products are the multiple cross-weaving textiles for casual wear, the functional textiles for athleisure, sportswear, and outdoor activities and furnishing textiles. We are also the main textiles supplier of international brands such as Adidas, Columbia, Uniglo and Decathlon.

In recent years, HangZhou Delicacy has extended our scope to upstream industry chain by investing in energy-saving and eco-friendly production technics and building up close relationships with international material suppliers and chemical manufacturers. Meanwhile, Delicacy launches various multi-function products by interweaving high functional fabrics and multiple fiber fabrics and expands to the downstream apparel supply chain. By cooperating with both upstream and downstream supply chains, co-developing functional fabrics and entering into technology alliance. Delicacy becomes a global leading corporation in textile field.

Since 2011, Delicacy has introduced environmental protection and energy saving production producing techniques and endeavored in developing watersaving dyeing system, upgrading sewage treatment system, recycle system and reducing emissions. With the phased upgrading programs, Delicacy renews the producing processes year by year and evolving into a green business to help saving the world.

With the increasing numbers of consumer demands of integrating functions, from high-end functional fabrics to comfortable daily wear fabrics. Which make the textiles express warm messages and become a life style all over the world. Hangzhou Delicacy knows the potentials of functional textiles thus integrates the production and design to better adapt this trend.

As a leading textile manufacturer in Asia, HangZhou Delicacy provides with competitive price and best quality. We contribute our special expertise and establish long term partnership with our worldwide alliances.

Business Philosophy

"Think big, think wide." is the core value of HangZhou Delicacy. We focus on our creative motivations, delicate products, greening and environmental protection and flexible responses as the fundamentals to drive Delicacy transforming into a new-style corporation which combines quality and quantity.

With the vertical production lines and experienced capability of producing city wear fabrics, Delicacy is launching functional products such as stretch, wicking and quick dry, anti-bacterial, UV protection fabrics and aiming at value-added synthetic textiles and developing versatile markets. Such efforts make Delicacy a trustable and stable corporation which provides the best service and quality of functional fabrics to global brands.

SUSTAINABLE MANAGEMENT

HangZhou Delicacy Enviromental Protection Division was established in 1997, mainly responsible for operating, monitoring and reporting of waste water, exhaust gas, noise, solid waste (including hazardous waste) to comply with government's emission standards and regulations. As close partner of international brands, HangZhou Delicacy emphasizes on environmental protection and adapts various actions to save the earth.

Waste water recycle system

HangZhou Delicacy invested CNY 15 million in waste water process system and reclaimed water recycle system. As of now, the actual processing capability is up to 8,000 tons per day and recycles 50% water which means 4,000 tons of water are recycled per day. This system has not only established a model of resource saving and pollutants decreasing but also a sustainable program of energy saving.

Drying and heat setting machine

In order to save energy, cost down and improve power resource efficiency. We improved our 5 drying and heat setting machines into directly burn gas to heat up, so the cycling mercury would stop working and reduce the heat loss from the second time energy transforming of heat conduction oil boiler and the electricity loss of high power recycling of mercury. This program will reduce the usage of 270 thousands square meter gas, 760 thousand kilowatt per year and saves over 1.8 million dollars annually.





Waste water recycle system



Photovoltaics Program

In order to increase the utilization of recycled and clean energy also to decrease the emission of pollutants. HangZhou Delicacy adapted EMC (Energy Management Contract) and built up 2.6MW photovoltaics program, which helps generating 2 million kw/hour per year. This program improves the recycled energy utilization and the clean energy utilization, indirectly reduces the pollutants' emission.

Environmental Protection Certifications

The product design and manufacture procedures are all qualified under environmetal requirements, completely prohibit toxic chemicals. Delicacy achieved Oeko-Tex Standard 100 since 2003 and continuously renews the certifications every year to ensure we provide environmental and user friendly products. In 2014, we renewed ISO9001:2000 the quality management systems standard and continuously execute our policies of providing best quality, best service and innovative research. With the cooperation with international brands, we develop high-tech and functional fabrics and becomes a leading brand all over the markets.

EQUIPMENTS

HangZhou Delicacy located on No. 15, 14 Avenue, Hangzhou Economic and Technological Development Area (HEAD). Totally 183 acres, the construction area is 80,000 square meter, which includes filament weaving workshop, staple weaving workshop and dyeing workshop. The equipments are automated weaving machines and dyeing machines, run by high-end technique and scientific managements.

Twist Yarn Twist Yarn Coverd Yarn

Fabric Dyeing & Relax (P/D)

Weaving & Dyeing Package Dyeing Beam Dyeing Fabric Dyeing & Relax Warping Warp Sizing Double Ends Harness Water - Jet Weaving Air - Jet Weaving Repier Weaving

Finish

Desizing Mercerizing Cold Batch Drying Setting Resin Finish

Cire Brush Shear

Finished Inspection

Packing

Extra Finish

Airo Finish Sanding / Micro Peach

Bonding / Lamination



Bonding / Lamination



Finish

PHYSICAL-MECHANICAL TEST

Our lab is equipped with the temperature and humidity control system. Certified professionals are hired to test the physical properties of the fabrics.

- Washing Shrinkage
- Pilling Resistance
- **Snagging Resistance**
- Abrasion Resistance
- Tensile Strength
- Tear Strength
- Rain Test
- **Spray Test**
- Air Permeability
- Water Vapor Transmission
- Water Resistance
- UPF
- **Bonding Strength**

- Absorbency
- Wicking Test
- Stretch And Recovery
- Seam Slippage
- Seam Strength
- Washing Colour Fastness
- Light Colour Fastness
- Crocking / Rubbing Colour Fastness
- Chlorine Bleaching Colour Fastness
- Perspiration Colour Fastness
- Bleeding
- Hot Pressing
- Flame Retardant



Water Vapor Transmission



Water Resistance

PRODUCT

OUTDOOR SPORTS

Our outdoor sports offer a huge range of outdoor clothing for your next climbing, hiking, fishing, skiing, hunting, camping adventure.

SPORTS

Representatives of activities are mainly Running, Yoga, Fitness, Dancing, Golf, all kinds of ball games, etc.

EXTREME FREE

Easy Move

Excellent Stretch

Using natural fiber / synthetic fiber / mixed blend, yarn dyed and piece dyed fabrics, Hangzhou De Licacy product a variety of elastic fabrics, by means of weft stretch / warp stretch /4-Way stretch. Our stretch fabric allows greater mobility in any direction and keeps athletes flexible during sports without altering the shape.

Mechanical Stretch

HDL proudly present poly version mech-stretch fabric, which can stretch naturally without adding in any spandex fibers. This mechanical stretch fabrics has good dimensional stability, recovers to its original shape very quickly, and feels soft.

■ DuPont Sorona, Sustans™

DuPont Sorona® renewably sourced fiber delivers superior performance benefits to sustainable clothing. Fabrics that use Sorona® are very soft, very strong and dry quickly.

DuPont Sustans[™] fiber is partially made with bio-based ingredients. Sutans fiber has completely changed the misconception that no stretch staple fiber can be used for yarn spinning, which has offered a comfort stretch, excellent hand-feel.

NylonCotton

Durable

Nylon Cottony

Nylon itself has high tear strength. Our products emphasize on the feeling of cotton. They feel soft and delicate but retain the characteristics of wearability, comfort, and durability.

CORDURA®

Durable, versatile and reliable.

CORDURA® fabrics are constructed using high-tenacity fiber technologies that provide exceptional abrasion resistance, comfort and durability. They're available in a wide range of weights – from ultra lightweight to heavy weight.

FUNCTION & PROTECTION

Wicking & Quick Dry

Creating a capillary effect, lines of highly dense hydrophobic microparticles draw moisture from the skin and spread it into the ultra breathable and keeping the body dryer without skin discomfort or adhesion. Drying fast to keep you comfortable during aerobic and outdoor activities.

Double Weaving

Base on the capillary siphon principle, the special three-dimensional textures in the inner layer can quickly lead sweat to outer layer of the cloth for evaporation and thus keep your body dry.

Sun Protection

Made of titanium dioxide TiO2 matt yarn, which provides durable UV protection function in its own right or treated by finish processing methods to enhance UV function. Our ultraviolet protective textiles can possess an Ultraviolet Protection Factor (UPF) of at least UPF30~50.



Wicking & Quick Dry



Double Weaving



Sun Protection

Anti-Bacterial

Anti-Bacterial protection inhibits the growth of odour causing bacteria, mould and mildew to keep fabrics cleaner and fresher for longer than ever before.

■ 3M[™] Scotchlite[™] Reflective

Our Reflective Yarn uses 3M[™] Scotchlite[™] Reflective Materials, which applies a technology known as retro reflection. Reflective yarn can reflect light directly towards the original light source. It is a product designed specifically for security.



Anti-Bacterial



3M™ Scotchlite™ Reflective No Reflection



3M[™] Scotchlite [™] Reflective Reflection

5

WARM TECH

Cozy Flannel & Wool Look

Cozy and stylish with functionality for the active lifestyle with our Flannel fabric. The Flannel is made from polyester, so it's easy to care for and easy to wash and wear, with a moisture-wicking finish.

Wicking + Warm

The innovative Cross Section yarn + Hollow fiber, this Flannel fabric has a characteristic of wicking and keep warm. The fiber cross-section is hollow, giving insulation through an interior air layer in the fiber.

INVISTA's THERMOLITE®

Thermal provides warmth and comfortable environment to the wearers. With high-performance fiber technology, Thermal creates a micro insulation layer to lock-in warmth and help managing your body temperature.



Cozy Flannel

FINE-LAYER PERFORMANCE

3 Layer Soft Shell

To combine surface fabric, functional membrane, and inner lining. Surface fabric can stretch and stand wear; Functional membrane is highly waterproof and breathable.

2 Layer Lamination

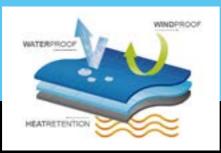
To combine the surface fabric and functional membrane to make garments which are windproof, water-repellent, and breathable. We provides a wide range of designed surface fabrics.

2.5 Layer

2 Layer Bonding

It's free to bond different materials of various thickness and weight to combine the windproof and water-repellent characteristics of the outer layer with the warmth-keeping function of the inner layer.

Functional Coating



3 Layer Soft Shell

2 Layer Bonding

ECO FRIENDLY

The Eco-friendly Fabric process includes the minimization of waste and hazardous by-products, air pollution, energy expenditure, among others.

Garment Recycle Poly

Compared with traditional materials, ECO CIRCLE fiber has high quality, multifunction and can be permanently recycled and is widely used in High-end sportwear, career apparel, and fashion.

Recycle Poly

To collect used polyester materials, to melt, to remove impurities, to decolor, re-aggregate them into polyester raw materials, to turn them into fibers, and then to have the fibers twisted into yarns and woven into fabrics.

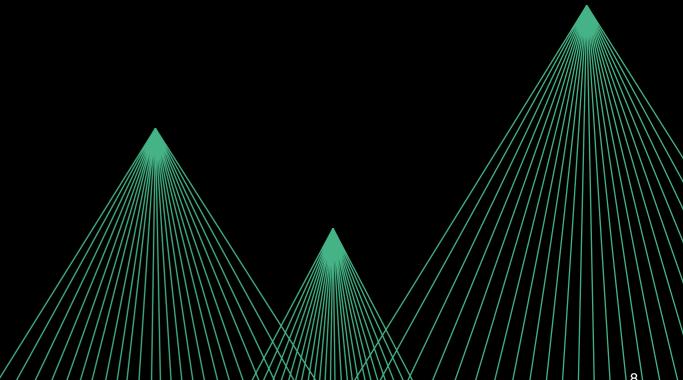
Better Cotton Initiative (BCI)

Tencel / Modal

PFOA / PFOS Free W/R, Fluorine-Free (CO), Zelan™ R3

Fluorine-free (C0) chemistry and long-lasting, high water repellence performance. The new technology can be applied to fabrics used in a wide range of outdoor, leisure and sportswear applications.

Zelan™ R3 finish is a renewably sourced, non fluorinated, durable water repellent for fabrics. R3 finish offer superior durable water repellency, are easy to clean and help to lower the impact of treated fabrics on the environment.



WONDERFUL LIFE

Leisure: This activities mainly on behalf of city life, daily life, commuting, street, week day, weekend, etc. For easy dressing and every day looks, this casual clothing collection has got daytime covered.

Drape Silky

Stretch fluidity fabrics with a sensual elasticity. It is soft to touch and feels like chiffon and drapes well. It's applicable to blouses or dresses.

Shape Memory

Shape memory fabrics feature their natural wrinkles and the ease to smoothen them out. In aesthetic, this series can be used to create a unique look of three-dimensional pleats.





Drape Silky

Shape Memory

Suede

Vent AIR

Fabric are weaved by dissolvable polyester. During dyeing process, yarn are dissolved to create knitting like construction.

- **Denim Look**
- 2 Tone & Melange Look
- Fancy Finish







Vent AIR Denim Look

2 Tone & Melange Look

HOME & FURNITURE TEXTILES

Furnishings: Our main products are sofa, curtain, pillow...etc.

Black out

PU or Acrylic resin can be coated on the surface of fabric so that the fabric can be made waterproof, breathable, and windproof.

Mat Weaving

This series of fabrics is woven to look like mat or linen with knots on the surface. It can be designed with blending of colors to look stylish and elegant.

■ Flame Retardant

Flame retardant fabrics are textiles that are naturally more resistant to fire than others through chemical treatment or manufactured fireproof fibers.

Our Flame retardant fabrics can pass the fire security ratings of French M1 Standards, German B1 Standards, British BS5852 Standards and United States NFPA 701 Standards.







Black Out

Mat Weaving

Flame Retardant

Suede

Suede-like fabric made of micro fibers feels soft but solid. Treated with embossing and other finish process, it can vary in many patterns.

Velvet

This series of fabrics is woven with velvety-like yarn.
Its brushed surface gives out a three-dimensional look and dense touch feeling.

Anti-microbial

Extra wide & Curtain Fabrics

Among our extra wide curtain fabrics you will find a great selection of curtain fabrics which have a width of 118 inch or more.

Fabrics in the category "curtain fabrics" can also be processed when tilted. That way they can be turned into drapery of any width without the need for connecting seams.





Suede

Velvet

9 10

Contact Us

Hangzhou Factory

ADD: No.15, 14th Street, Hangzhou Economic & Technological Development Area 310019, P.R China

TEL: 86-571-8691-2428 FAX: 86-571-8691-0595 E-mail: hzdl@mail.hzdl.com

Taiwan Office

ADD: 10F, No.188, Sec. 5, Nanjing E. Rd., Songshan Dist., Taipei City 10571, Taiwan (R.O.C.)

TEL: 886-2-8787-3798 FAX: 886-2-8787-6916 E-mail: defa@defa.com.tw

