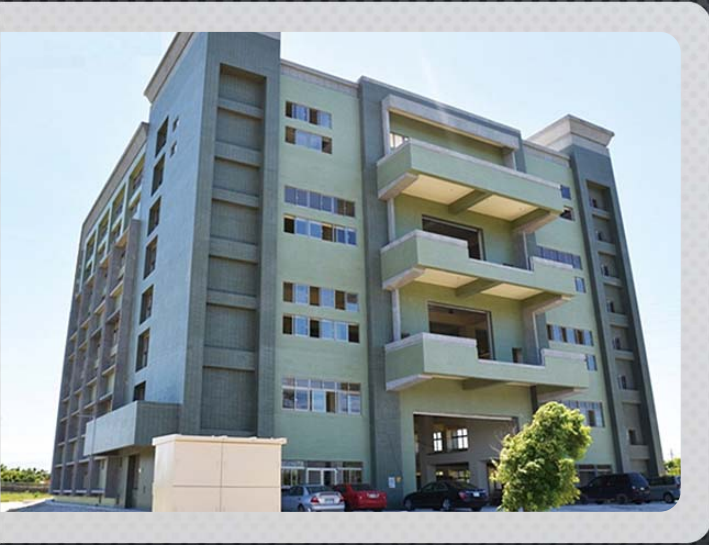




BESTEX ENTERPRISE CO., LTD.



COMPANY HISTORY



1990

Established as a woven trading company



1995

Bestex Dyeing & Finishing Mill (Woven) established



2005

Bestex Dyeing & Finishing Mill relocated and focusing on knitted fabric



2013

Acquired new property for new production facility and R&D center



2015

New dyeing and finishing facility became operational



2018

Successfully commercialized Waterborne Foam Coating & Bonding

OUR CUSTOMERS



CORE COMPETENCES (I)

Yarn Development / Sourcing

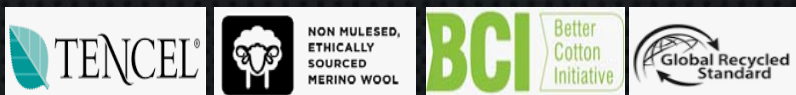
- Novelty Yarn



- Performance Yarn



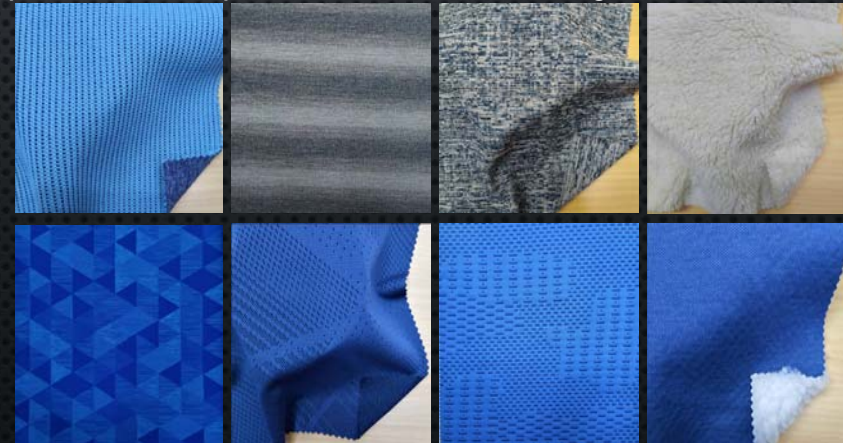
- Eco-Friendly Yarn



Fabric Design (Subcon / JV)

Access to following construction in various gauges

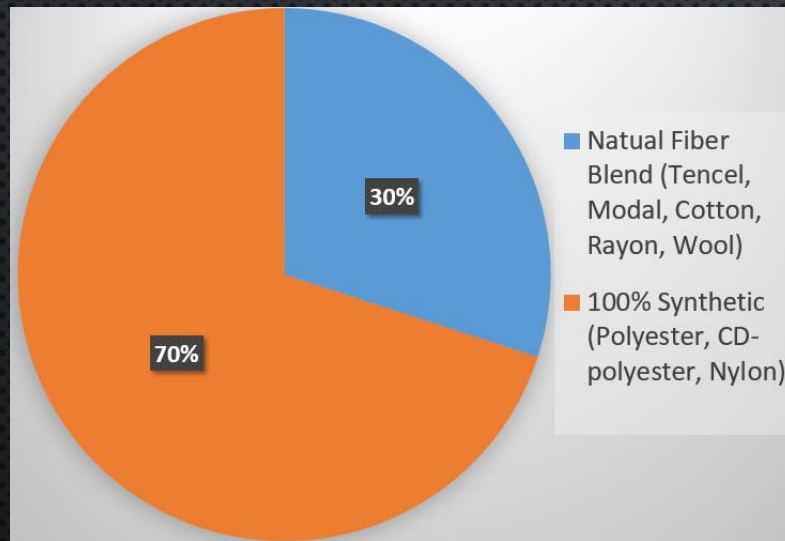
- Jersey (plated, pique)
- Double knit (pique, spacer, insulation knit, variable)
- Terry (French terry, plated)
- Flat Bed
- Auto Striper (96 feeder, 244 feeder)
- Computer Jacquard (Terrot, Jersey, Double, & Terry)



CORE COMPETENCES (II)

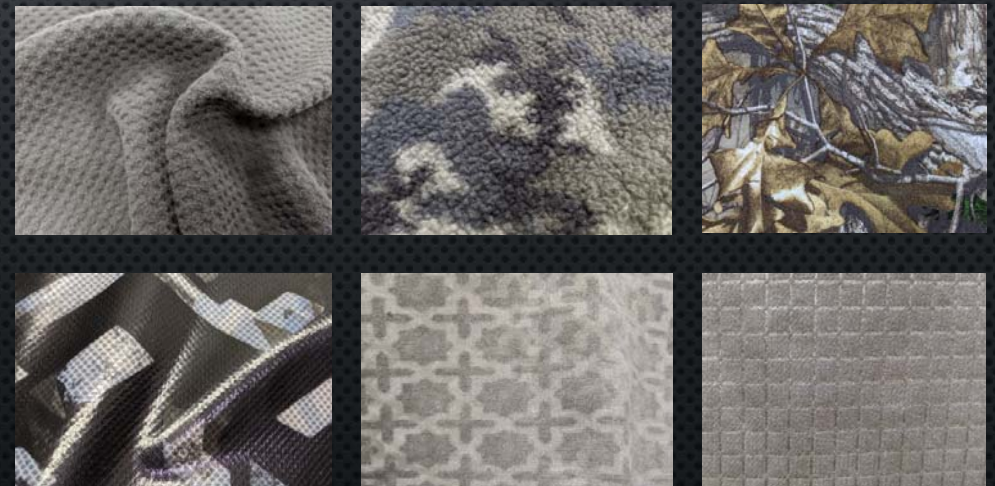
Dyeing & Finishing

- Daily Capacity: ~ 25K KG / Day
- Chemical finishing: DWR, Wicking, AM, Odor Control, UV cut



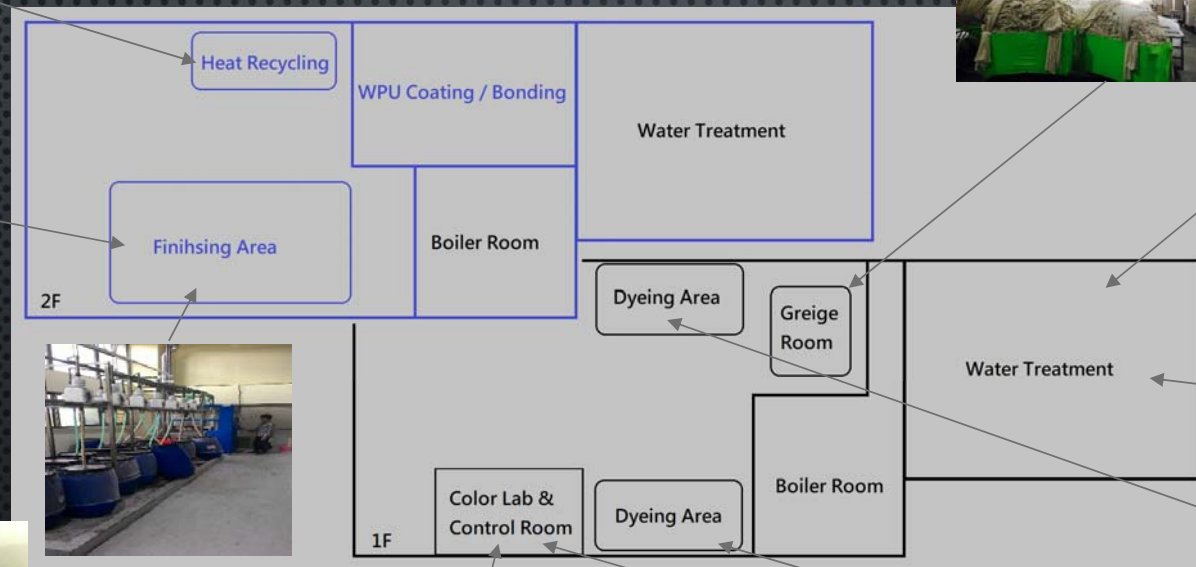
Additional Finishing (Subcon)

- Bonded 2L, 2.5L, and 3L knit softshell
- Mechanical finishing: peaching, shearing, brushing, tumbling
- Sublimation print, wet print, emboss, cire, burnout, reflective

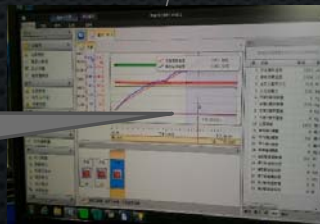


OUR FACILITY

Reduce ~970,000 kg of CO2 emission yearly



MES Controlled for Production Optimization = GREEN!



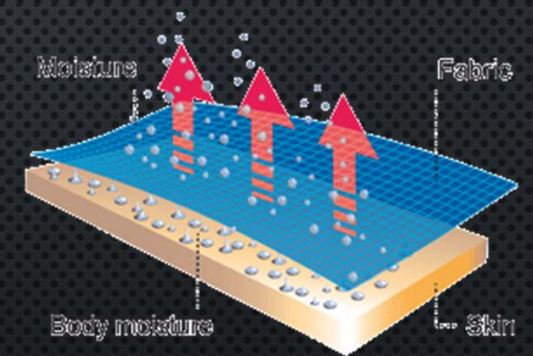
R&D / BULK QUALITY TESTING LAB

| Description | Test Method |
|---|-------------------------------|
| Air Permeability 透氣 (cfm) | ASTM D737 |
| Bursting (Ball Burst) 爆破, (LBF) | ASTM D6797 |
| Bonding Strength 剝離強度, □kgf/3in □lbf/3in □N/3in | ASTM D2724 |
| Colorfastness to Water 水牢, (Grade) | AATCC 107 |
| Colorfastness to Water 水牢, (Grade) | ISO 105-E01 |
| Colorfastness to Washing 水洗, (Grade) | AATCC61-1A |
| Colorfastness to Washing 水洗, (Grade) | AATCC61-2A |
| Colorfastness to Washing 水洗, (Grade) | ISO 105 C06 |
| Colorfastness to Crocking 磨擦, (Grade) | AATCC 8 |
| Colorfastness to Crocking 磨擦, (Grade) | ISO 105X12 |
| PH Value 酸鹼, (Value) | AATCC 81 |
| Dimension Stability- Shrinkage 縮率, (%) | AATCC 135 |
| Dimension Stability- Skewing 歪斜, (%) | AATCC 179 Method 1 Opt 1 |
| Fabric Weight 布重, (GSM) | ASTM D3776 |
| Fabric Width 幅寬(可裁/全幅), (Inch) | |
| Growth: Knit 伸長率, Length(經) (%) | |
| Growth: Knit 伸長率, Width(緯) (%) | ASTM D2594, □60 s □1 hr |
| Stretch: Knit 延伸率, Length(經) (%) | |
| Stretch: Knit 延伸率, Width(緯) (%) | ASTM D4964, ____ LBF |
| Recovery: Knit 回復率, Length(經) (%) | |
| Recovery: Knit 回復率, Width(緯) (%) | ASTM D4964, ____ LBF |
| Rain test 雨淋測試, (Pass/Fail) | AATCC 35, 600 mmH2O x 120sec |
| Pilling Resistance 起球, (Grade) | JIS L1076 |
| Pilling Resistance 起球, (Grade) | ASTM D3512 |
| Pilling Resistance 起球, (Grade) | UATM |
| Snagging Resistance 鉤紗, (Grade) | ASTM D3939 |
| Thermal Stability 熱穩定性, (%) | UATM 013 |
| Thickness 厚度, Knit/Woven Fabrics, (mm) | ASTM D1777, □Option1 □Option5 |
| Water Repellency 撥水, Initial, (%) | AATCC-22 |
| Tearing Strength, Woven 撕裂強度, (g) | ASTM D1424 |
| Washing Appearance | AATCC 135 |



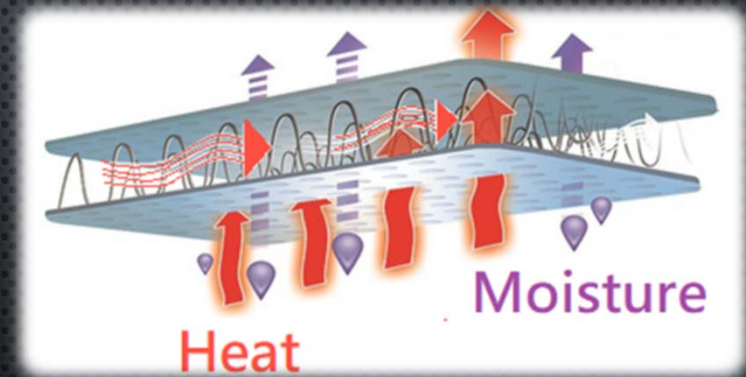
BASE LAYER – NATURAL INFUSED

- TENCEL, MODAL, COTTON, & WOOL INFUSED (HIGH MOISTURE RETENTION FOR MICROCLIMATE CONTROL)
- PLATED JERSEY, DOUBLE KNIT CONSTRUCTION ALONG WITH FILAMENT YARN TO ALLOW MOISTURE TRANSPORT AWAY FROM SKIN [PUSH PULL]



MID LAYER – FAKE SPACER / INSULATED KNIT

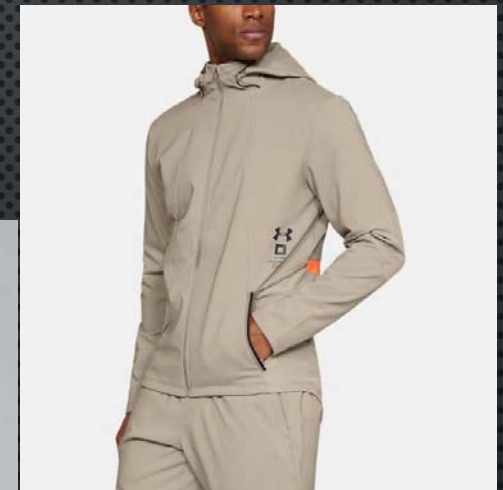
- Encapsulates air like a fleece to form a micro climate control inside the fabric
- Efficient Warmth / Breathable
- Sheds Less Microfibers during washing



OUTERWEAR – TRUE SOFTSHELL

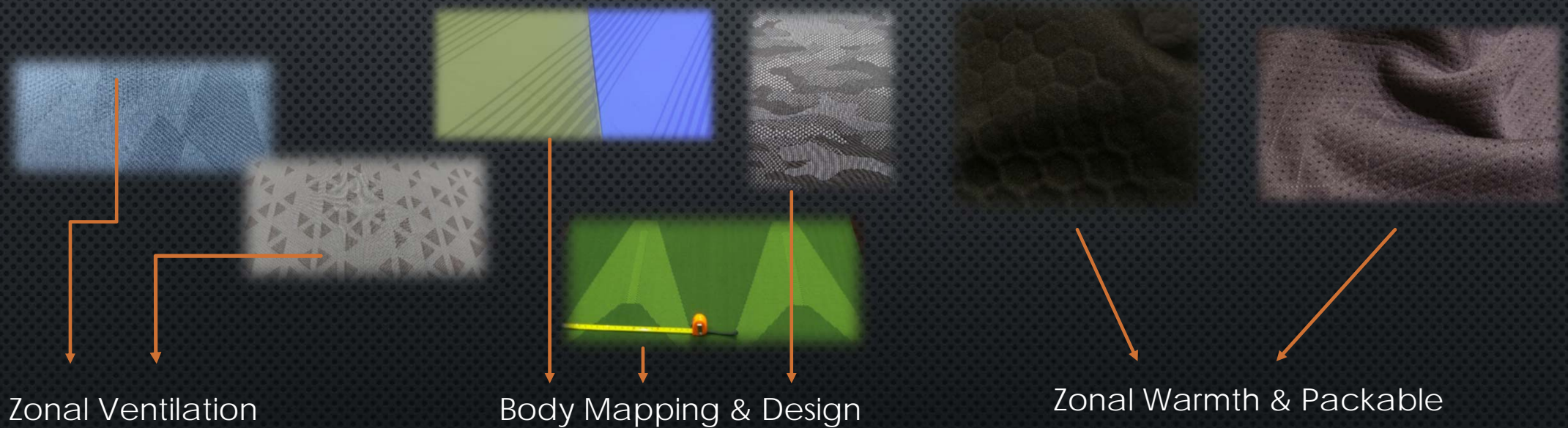
Soft & quiet, Packable, Warm, weather Resistant, and Extremely Light Weight

- AVAILABLE FABRIC TYPE: TWO WAY & FOUR WAY STRETCH
- AVAILABLE WEIGHT RANGE: 145 GSM – 250 GSM
- AIR PERM: 10 – 25 CFM
- PILLING (ASTM D3512): 4-5
- SNAGGING (ASTM D3939): 4-5
- DWR / PASS RAIN TEST



COMPUTER JACQUARD / BODY MAPPING

BESTEX OFFERS COMPUTER JACQUARD KNITS IN JERSEY KNIT, DOUBLE KNIT, AND TERRY KNIT CONSTRUCTIONS
THE COMPUTER JACQUARD OPENS MANY DESIGN POSSIBILITIES AS WELL AS ADDING PERFORMANCE ATTRIBUTES



SEAWOOL

THERE IS A LARGE VOLUME OF OYSTER YIELDED IN TAIWAN AND CARRY OUT 160 THOUSAND TONS OF "OYSTER SHELL-WASTE" EVERY YEAR. WE USE SHELL-WASTE TO PRODUCE BIO-CALCIUM OXIDE POWDER, SO THAT IT CAN REDUCE THE SHELL-WASTE AND PREVENT THE ENVIRONMENT POLLUTION.

ANTISTATIC

- OYSTER-SHELL CONTAINS 80% OF CALCIUM CARBONATE AND 20% LIGHT METAL ELEMENTS. THE RAW-MATERIAL HAS A LOT OF MICRO-PORE ON HIGH SURFACE AREA. THEREFORE BIO-CALCIUM OXIDE CAN ABSORB MOISTURE EASILY IN ORDER TO HAVE FREE IONS TO INCREASE CONDUCTIVITY.

THERMAL CONSERVATION

- OYSTER-SHELL POWDER(BIO-CALCIUM OXIDE) HAS HIGH MOISTURE ABSORPTION AND LOW HEAT CONDUCTION AND THE MOISTURE IS RETAINED TO AVOID FROM HEAT LOSS

- SIMILAR THERMAL CONDUCTIVITY TO WOOL



Bestex has developed recycle polyester with Seawool infused in both staple and filament yarn form.

We also offer Seawool print on fabric which would help to enhance the warmth (clo) property.

COOLVISIONS DYEABLE POLYPROPYLENE

Extremely Lightweight

- Provides better coverage with less garment weight.

Superior Moisture Management

- Unlike performance polyester, CoolVisions® engineered moisture management channels are not blocked during laundering by the use of fabric softeners or dryer sheets

Excellent Thermal Insulation

- has excellent thermal insulation properties, surpassing even wool

Inherently Antimicrobial

- is not attacked by organisms like mold, mildew, and bacteria

No MCQ & Low MOQ

- Unlike doped PP yarn requiring high MCQs, dyeable PP can allow regular MOQ.



Note: Although its dyeable PP, when compare the color depth of it to regular polyester, the color depth can only reach ~30% of regular poly. However, our design has focused on using PP against skin side so color depth is not that big of concern.

COMFORT STRETCH

Sometimes You Just Need a little more stretch and stability

- Reduce the use of spandex has been our goal to become more environmentally friendly
- Using mechanical stretch yarns such as T400, PBT, Bi-Component yarns and with our knowledge in knitting to aid the stretch & recovery performance
- By adjusting the amount of mechanical stretch yarn, we are able offer different level of modulus, recovery, and better breathability than fabric with spandex.
- Adding mechanical stretch yarn with natural fiber blend yarns can also help the dimensional stability



WATERBORNE POLYURETHANE DISPERSIONS (PUD) FOAM COATED PROCESS

- FOAM COATED PROCESS IS TO UTILIZE THE AIR TO MIX THE CHEMICAL INTO FOAM, WHICH CAN REDUCE THE MOISTURE CONTENT, EFFICIENTLY LESSEN THE HEAT CONSUMPTION AND FASTEN THE FABRIC DRYING SPEED

Advantages of WPU Foam Coating

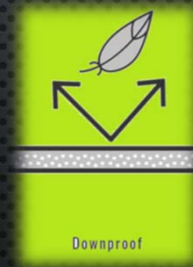
- Soft handed stretchy products
- Relatively less chemical consumption
- Relatively less energy consumption
- Replace traditional solvent type products, DMF Free, Heavy Metal Free, and Low VOC



FOAM BARRIER

「FOAM BARRIER : FEATHER」

BY APPLYING OUR SPECIAL FOAM COATING TECHNIQUE ON EXTREME LIGHT WEIGHT KNITTED FABRIC, WE ARE ABLE TO ALLOW THE FABRIC TO REMAIN SOFT, QUIET AND STRETCHY AND ACHIEVE THE AIR PERMEABILITY LESS THAN 1 CFM FOR DOWNPROOFNESS AT THE SAME TIME. COMPLETELY DIFFERENTIATES OUR PRODUCTS AWAY FROM TRADITIONAL COATED OR FILM LAMINATED PRODUCTS.



FOAM BARRIER

「Foam Barrier: Storm」

This is a highly eco-friendly and innovative bonding technique! Bestex is able to perform coating and bonding in one process. This saves tremendous energy, waste and time. By using different foam parameters, we can engineer the air permeability, modulus, and handfeel of the bonded fabric for different applications.

