

COOLTRANS



长胜纺织科技发展(上海)有限公司
NewTech Textile Technology Development (Shanghai) Co.,Ltd

cool transfer printing

A vibrant, multi-colored marbled background with shades of blue, purple, pink, red, orange, and yellow, resembling a watercolor or ink blot effect.

THE NEW ERA OF TRANSFER COLORATION

新时代转移印染技术

革命性印染工艺

Revolutionary printing & dyeing process

高质量印染品质

High performance printing quality

可持续绿色清洁生产

Sustainable green and clean production

获奖与证书

Awards & Certificate



2011年获得中国纺织科技一等奖。
Awarded 1st Prize of Advance Textile Technology from
China National Textile & Apparel Council (CNTAC) in 2011



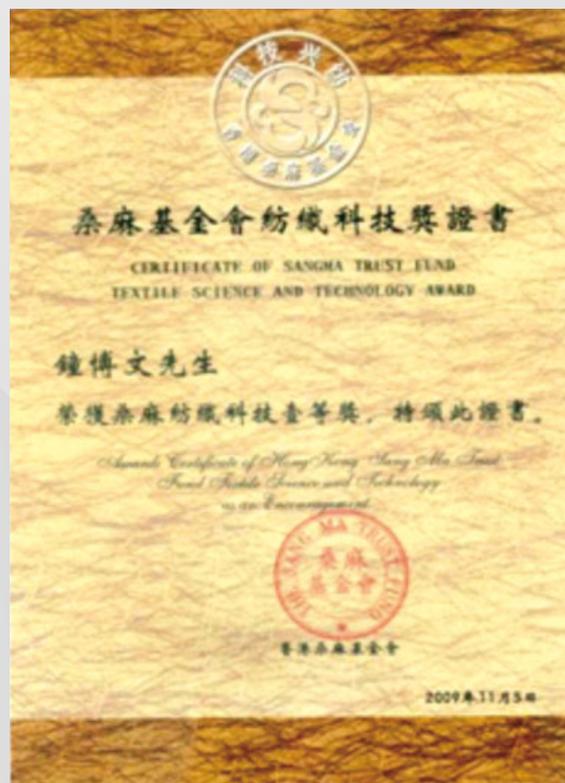
2010年获联合国开发计划署颁发
“低碳冷转移印花专利技术供应商”证书
“Low Carbon COOLTRANS Print on Cotton Patented Technology”
Supplier of DEVNET Pavilion of EXPO 2010

获奖与证书

Awards & Certificate



全棉冷转印针织面料获生态纺织品证书。
Certificate of "Confidence in Textiles-Tested for Harmful Substances According to Oeko-Tex@



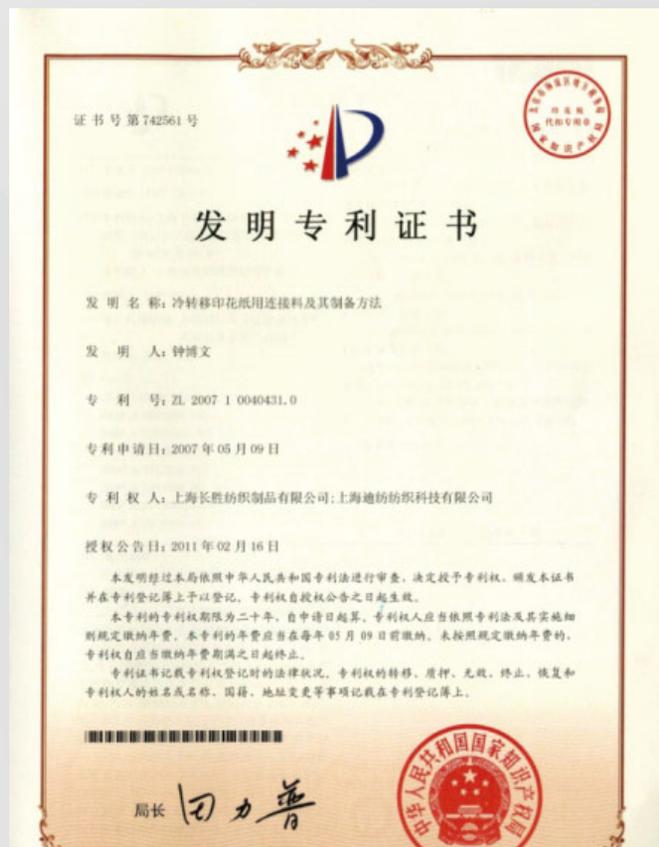
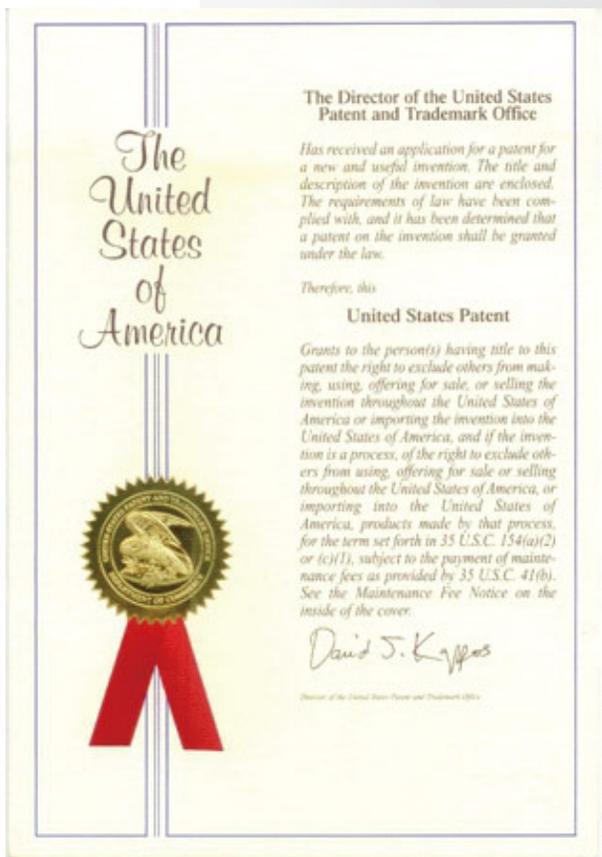
2009年获得香港桑麻纺织科技一等奖。
Awarded 1st Prize of Textile Science and Technology from Hongkong Sangma Trust Fund in 2009.



ISO9001证书Certificate

获奖与证书

Awards & Certificate



共获得专利61项
其中发明专利42项，实用新型技术专利19项
Totally 61 patents acquired in which
42 of invention & 19 of application
patents.

我们的愿景

Our vision

成为以“冷转移技术”为核心的数字化印染清洁生产技术的整体方案供货商。将染整工艺转型为生态环境友好、清洁和可持续性发展的工艺，并迈向低耗水与零排放化印染的终极目标！

To be the turnkey solution provider of COOLTRANS technology for digital clean printing & dyeing technology. Transform the textile coloration processes into environmental friendly, clean and sustainable development processes. Heading toward the low water consumption and zero water discharge dyeing & printing processes as our ultimate goal.

SOLUTIONS

完美解决方案



长胜整体解决方案业务模式的理念

NEWTECH business model and concept

长胜的成功来自于客户的成功

客户有竞争力，长胜才有竞争力

客户有持续性的生产销售，长胜才有持续性的发展

NEWTECH's success comes from the success of customers

NEWTECH's competitiveness comes from customers' competitiveness.

NEWTECH's sustainable development comes from customers' sustainable sales.

冷转移印染整体解决方案，确保客户有持续性的竞争力

专利的耗材技术，确保高质量的印染效果

专利的印染设备，确保客户取得领先地位

COOLTRANS turn key solution renders customers sustainable competitiveness

Patented consumable technology, ensures high quality printing & dyeing effects
Patented equipment, ensures customer's leading position.

生命共同体：

结合相同理念的产业合作伙伴

所有利益相关者互利共赢：环境、消费者、品牌、生产环节相关者与长胜纺织科技，皆受益于此科技快速、高附加价值与清洁生产所带来的效益！

Community of shared life：

Allying with partners who have same philosophy

All stake-holders win: environment, consumer, brands, production factories and NEWTECH they all benefit from the high value-added, fast and green production brought by COOLTRANS technology!

我们的信念

Our Belief

负责 Be Responsible

创新 Be Innovative

感恩 Be Grateful

可持续性发展 Go Sustainable



作为地球公民的一份子，我们对地球的环境负有责任感！

As a global citizen, we are responsible for our environment.

禀持创新的精神，执着环保科技！

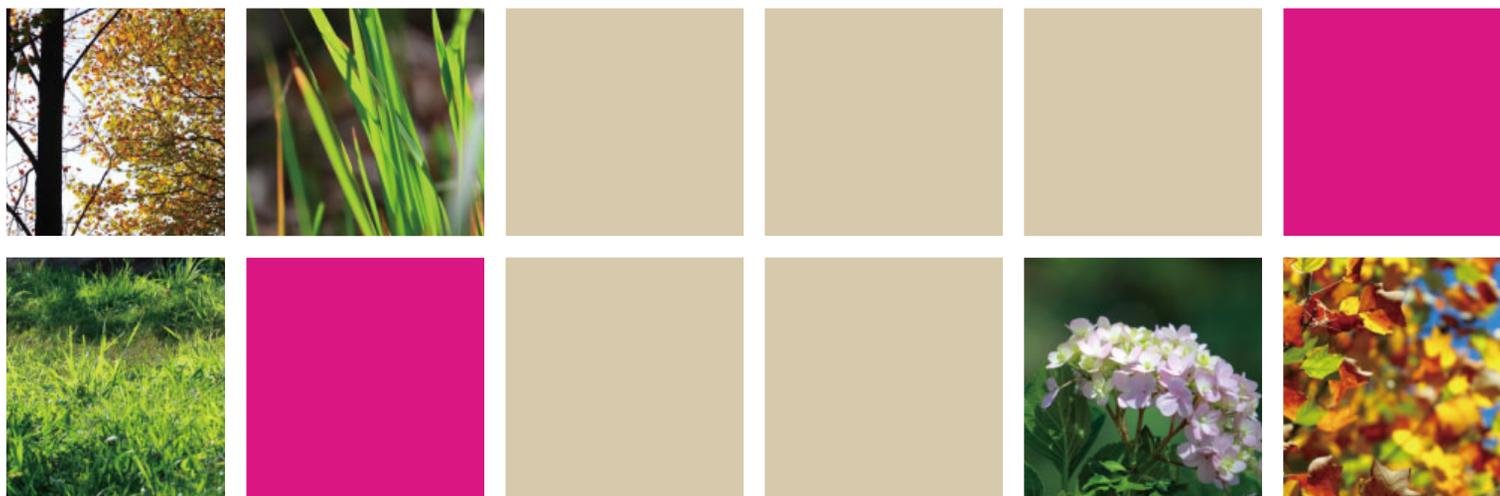
Keen on innovation and environmental technology.

珍惜大自然的资源并心存感恩！

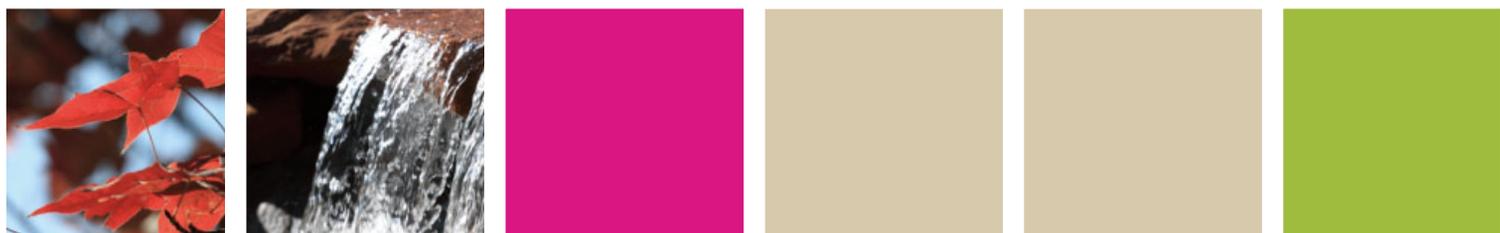
Be grateful and cherish the nature resources from mother earth.

为了我们的下一代，开发可持续发展的工艺流程！

Go sustainable production process for the good of our children, our next generations.



COOL TRANSFER PRINTING



我们的使命 Our mission

喷墨 Inkjet



数位版
Digital Plate



凹版印刷
Gravure



数位制版
CTP



柔版
Flexo



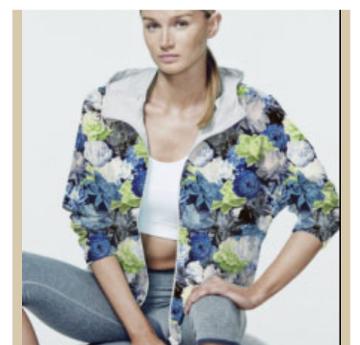
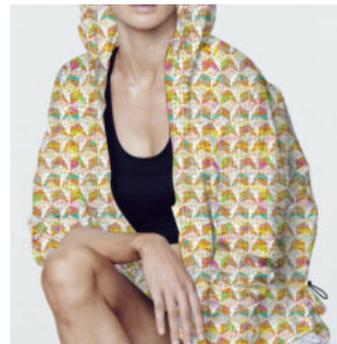
现代印刷科技

利用COOLTRANS冷转印技术平台，将现代先进印刷科技导入印染行业！
获得清洁、高效、高品质的生产！

Conducting modern publish printing technologies to textile printing industry thru COOLTRANS Cool Transfer Printing Technology for clean, high efficiency and high quality production.

冷转印 技术平台

纺织印染行业



冷转移印花技术介绍

Introduction of COOLTRANS Technology

科技 Technology

COOLTRANS冷转移印花技术是一项可解决染料印花环保问题，达到清洁生产的印花技术，且印花质量媲美数码喷墨印花质量，对提升印花加工附加值及改善环境污染与节能减排具有促进作用。

COOLTRANS Technology increases the added-value of textile printing, reduces the environment pollution, save energy and reduces waste effluents. The printing effect is comparable to digital inkjet printing. It is a green and environmental friendly production technology.

- 高印花表现力，高附加价值
High pictorial printing performance, high added-values
- 适合多种纤维面料
Applicable to various fiber types
- 高生产效能，高人员产出比
High productivity, high output per capita
- 全水性系统，健康安全
All water-based system, healthy and safe
- 节能低碳环保
Energy-saving, low-carbon emission and eco-friendly



冷转移印花技术介绍

Introduction of COOLTRANS Technology

品质 Quality

该技术工艺图案通过计算机分色，凹版雕刻，配以科技环保染料，将印花图案转移印至各种纺织面料上，具有耐光晒、耐水洗、色牢度佳、层次感强、色彩丰富、视觉逼真等优点，是纺织服装印花面料的理想选择，是绿色、低碳节能环保的现代纺织高新项目。

It employs gravure printing technology and eco-friendly dyes for textile printing, renders delicate and vivid prints on textile fabrics. It is the ideal technique for modern textile printing thanks to its low-carbon environmental friendly technology.

- 图案色彩生动逼真
Vivid pattern and rich colors
- 线条精细层次变化丰富
Fine, delicate and smooth gradation change
- 品质优越，色牢度好
Superior quality and excellent fastness
- 触感舒适，健康体验
Pleasant hand feel and healthy wearing experience



可持续发展

Sustainability

比较传统印花技术:

- 可节省能源65% .
- 节省染料用量40% .
- 节约用水量三分之二 .
- 并使排放水回收率达92% .
- 具有95%的染料高转移率及95%的固色率 .

Compared to conventional printing technology, it can:

- Save up to 65% of energy.
- Save up to 40% of dye.
- Save up to 2/3 of water consumptions.
- 92% of water can be recycled and reused.
- 95% dye transfer rate and 95% dye fixation rates.
- Maximizes the utilization of dye and minimizes the treatment cost of waste water.

- 室温转移印花节能65%

Transfer printing at room temperature saves up to 65% of energy

- 糊料非常少, 水洗简易, 耗水量少, 省水2/3

Less sizing agent, easily washable, less rinsing water, saves up to 2/3 of water consumption

- 高转移率95%、高固色率95%

95% high transfer rate, 95% high dye fixation rate

- 因色浅可回收再使用, 污水的COD量也低。

Less washed-off dyes, easily recycle of rinsing water, less COD in the waste water.

- 不含APEO和AOX。所符合严格的全面禁用物质清单

APEO-free, no AOX. All chemicals conform to rigorous RSL.



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冷转移定量给液印花机技术参数：

Transfer Printing Machine



布宽 Fabric width	幅宽范围2000mm Printable width 2000 mm
面料种类 Fabric type	针织布、梭织布、弹力布 Knitted, woven and elastane blends
机器工作速度 Machine Speed	最大机器速度30m/min, 印花速度5-25m/min Max. speed 30m/min, printing: 5-25m/min
机器外形尺寸 Dimension	长度16.8m, 宽度8.2m, 高度4.35m L=16.8m, W=8.2m, H=4.35m
机器总重量 Weight	约40吨 Approx. 40 tons
装机功率 Power	80KW (中心辊和烘箱另外采用热导油或蒸汽加热时) 80KW (Thermal fluid or steam heating system for dryer and central transfer drum)

COOLTRANS

Plus/Plus Duo

高速冷转移无纸化单双面印刷机技术参数：

Paper-less duplex printing machine Spec.



布宽 Fabric width	幅宽范围1650mm Printable width 1650 mm
面料种类 Fabric type	梭织布、梭织弹力布 Woven and woven elastane blends 双面转印克重280g / m ² 以上 duplex print: > 280 g/m ² fabric weight 单面转印克重100g / m ² 以上 Single face print: >100 g/m ² fabric weight
机器工作速度 Machine Speed	最大机器速度120m / min. Max. speed 120m/min 印纸速度60-120m / min. Paper printing speed: 60-120 m/min 印花速度30-120m/min. Fabric printing speed: 30-120/min
机器外形尺寸 Dimension	长度23.5m, 宽度8.5m, 高度7.5m (以订制规格为准) L=23.5m , W=8.5m , H=7.3m (Actual specification subject to orders)
机器总重量 Weight	约50吨 (以订制规格为准) Approx. 50 tons(Actual specification subject to orders)
装机功率 Power	120KW (烘箱为蒸汽加热时) 120KW (Thermal fluid or steam heating system for dryer)

COOLTRANS

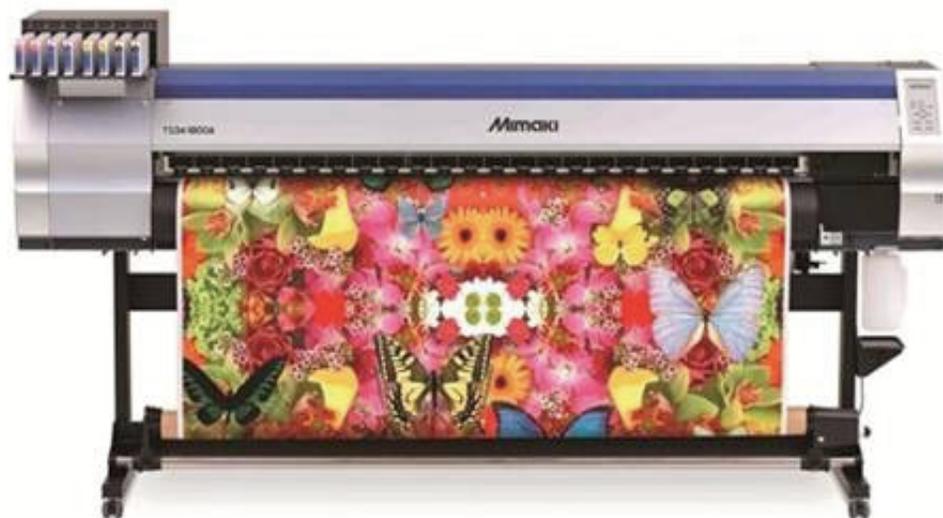
冷转移凹版打样技术参数：

Simulation Printing Machine



机器外形尺寸 Dimension	L=4m,W=2m,H=1.6m
样鼓直径 Diameter of drum	Φ900
打样最大版辊直径 Max. diameter of gravure cylinder	Φ450
打样最小版辊直径 Min. diameter of gravure cylinder	Φ145
打样版辊的最大长度 Max. length r of gravure cylinder	2100mm
打样版辊的最小长度 Min. diameter of gravure cylinder	800m
功率 Total power demand	7.5KW
机器重量 Weight Approx.	7.5 tons

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冷转移数码喷墨机
Digital Inkjet Printing Machine

机器外形尺寸 Dimension	L=2.538m, W=0.739m, H=1.424m
喷墨方式 Print Head Technology	微压电式, 4 色打印 (CMYK) Piezo type, 4 colors (CMYK)
喷头类型 Print Head Model	爱普生微压电式按需喷墨打印头 Epson drop-on-demand piezo print head
分辨率 Resolution	1440 DPI (Max)
喷墨幅宽 Printing width	有效喷印门幅1.6米, 长度不限 Effective printing width 1.6m, no length limit
喷墨速度 Printing speed	满幅打印, 根据用户计算机配置及RIP软件曲线设定而有所改变。 Full width printing, subject to RIP and computer settings 高速模式 (约) :17.5 平方米/小时 (4PASS) ; High speed mode: 17.5 sqm/hr (4PASS) 标准模式 (约) :11.9 平方米/小时 (6PASS) ; Standard mode: 11.9 sqm/hr (6PASS) 高画质模式 (约) :7.4 平方米/小时 (8PASS) High resolution mode: 7.4 sqm/hr (8PASS)
颜色 Colors	1600 万种 16 mio. colors
接受文件 Document type	TIFF(RGB&CMYK), BMP, JPEG, EPS, POSTSCRIPT LEVEL 3, (support WASATCH)
喷墨方式 Printing mode	微压电式, 4 色打印 (CMYK) Piezo type, 4 colors (CMYK)
RIP软件 RIP Wasatch	V6.7
加热系统 Heating system	石英管烘干装置 Quartz tube heater
机器总重量 Weight Approx.	Approx.160KG
机器总功率 Power	约2KW(含烘干装置) 2KW(incl. heater)

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冷转移印刷机技术参数：

Transfer Paper Printing Machine



印刷色数 Colors	8色 8 colors
印刷宽度 Printing width	1600-1950mm
最高印刷速度 Max. printing speed	100m/min
印版直径 Diameter of plate	Φ160mm-Φ450mm
套印精度 Register accuracy	L: 0.15mm(auto), H: 0.15mm(manual)
机器外形尺寸 Dimension	L=24.1m, W=5.2m, H=3.8m
承印材料 Printing substrate	转移印花纸 Transfer paper
装版方式 Clamp	气动锥顶式 Pneumatic cone mounted
装机功率 Power	蒸汽加热时100KW 100KW (steam heating)
机器重量 Weight	Approx. 54 tons

COOLTRANS

冷转移中样打样机

Pilot Scale Printing Machine



布宽 Fabric width	幅宽范围1800mm Max.1800 mm
面料种类 Fabric type	针织布、梭织布、弹力布 Knitted, woven and elastane blends
主转印辊直径 Diameter of transfer drum	Φ600mm
机器工作速度 Machine speed	转印速度2-8m/min Transfer printing 2-8m/min
机器外形尺寸 Dimension	L=8.52 m, W=4.28 m, H=2.4 m
机器重量 Weight	12 tons
装机功率 Power	12 KW

冷转印产品应用展示

Printing Products & Applications

适用纤维与布种

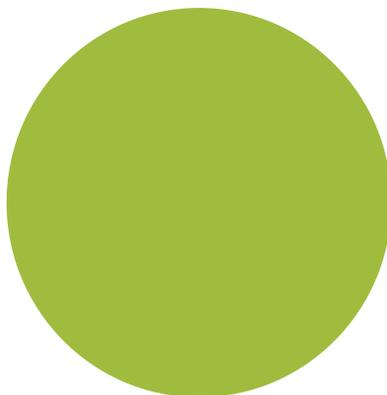
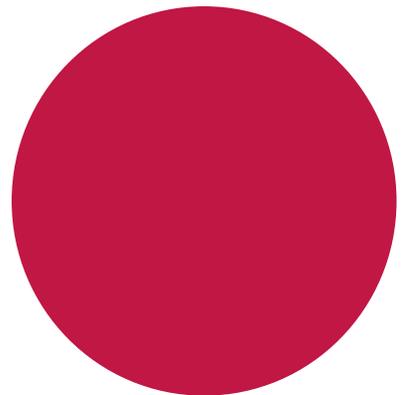
Applicable Fiber and Fabric Types

纤维素纤维 / 羊毛 / 蚕丝 / 尼龙 / 聚酯

Celluloses/Wool/Silk/Nylon/Polyester

梭织 / 针织 / 蕾丝 / 植绒 / 长毛绒

Woven/Knitted/Lace/Flocking/Plush



冷转印产品应用展示

Printing Products & Applications



户外休闲运动服

Outdoor Leisure & Sports Clothes

冲锋衣/羽绒服/皮肤衣

Windbreaker/Down Jacket/Packet Jacket



冷转印产品应用展示

Printing Products & Applications

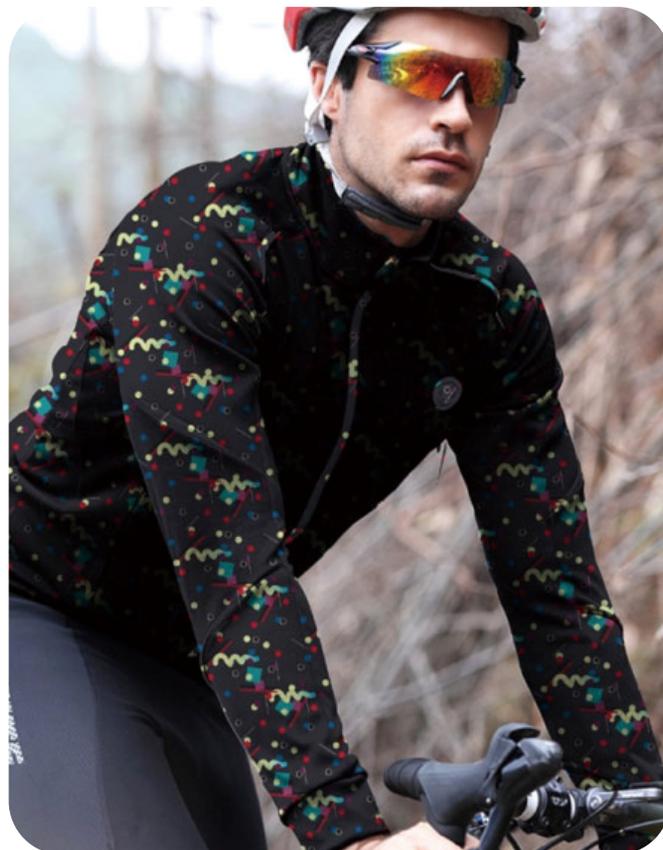


机能性运动服

Functional Sports Wears

训练服/瑜伽衣/泳衣

Training/Yoga/Swimming



冷转印产品应用展示

Printing Products & Applications



生活休闲服

Leisure Wears

牛仔/流行风格 - 双面印花

Jeans/Fashion - Duplex printing



冷转印产品应用展示

Printing Products & Applications



生活休闲服

Leisure Wears

洋装/裙/丝巾

Dress/Skirts/Silk Scarf



冷转印产品应用展示

Printing Products & Applications



生活休闲服

Leisure Wears

T-恤衫/裤

T-Shirts/Pants



冷转印产品应用展示

Printing Products & Applications



家纺面料

Home Textiles

家具布/桌布/窗帘/帆布

Furniture/Table Cloth/Curtain/Canvas



冷转印产品应用展示

Printing Products & Applications



产业用布

Technical Textiles

帐篷/迷彩/背包

Tents/Camouflage/Backpack



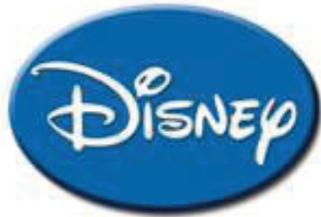
冷转印成品

COOLTRANS Printing Products



冷转印交付品牌

Brands adopting COOLTRANS



公司历史

Company History



2000

成立于2000年，是中国首家纺织品冷转移印花技术、设备、耗材、技术支持和培训整体解决方案供应商。

Established in 2000, the first COOLTRANS (cold transfer textile printing) turnkey solution (equipment, material, training and service) provider in China.

2003

2003年开始研发创造高质、节能、环保的冷转移印花技术；2007年冷转移印花技术研发成功并获得中国和国际多项发明和应用专利。

Started research and development of COOLTRANS from 2003. Achieved success and patents granted domestic and international in 2007.

2009

2009年起，冷转移印花产品正式进入纺织品印花市场，并迅速以其高品质的图案表现力和生动逼真的色彩效果获得市场肯定，其节能环保优势也被市场的同业广泛肯定。

Since 2009, COOLTRANS products entered the textile printing market and won great recognition and interest immediately with its high quality graphic performance and vividness as well as its ecological advantages.

2012

2012年，冷转移印花技术在轻薄尼龙面料印花方面取得应用突破，填补了尼龙面料印花的技术空白，轻薄尼龙印花面料（8D，15D，20D）在国际运动户外装的羽绒服市场上掀起印花时尚浪潮。

In 2012, COOLTRANS has achieved a great breakthrough in super thin (8D, 15D, 20D) nylon taffeta printing which opened a new page in textile printing history and soon ignited a new fashion trend in sports, outdoor and down wear markets globally.

2014

2014年开始，冷转移印花技术从有纸转印向无纸化转印方式发展，并升级技术和设备，满足不同层面和不同品类的面料印花市场需求，生产工艺更加低碳环保。

From 2014, COOLTRANS technology has evolved from paper transfer technology to paper-less transfer technology. The innovative technology fulfills the demands of various market segments and fabric types on lower carbon emission and environmental friendliness.

COOLTRANS
冷转移印染
COOL TRANSFER
COLORATION

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