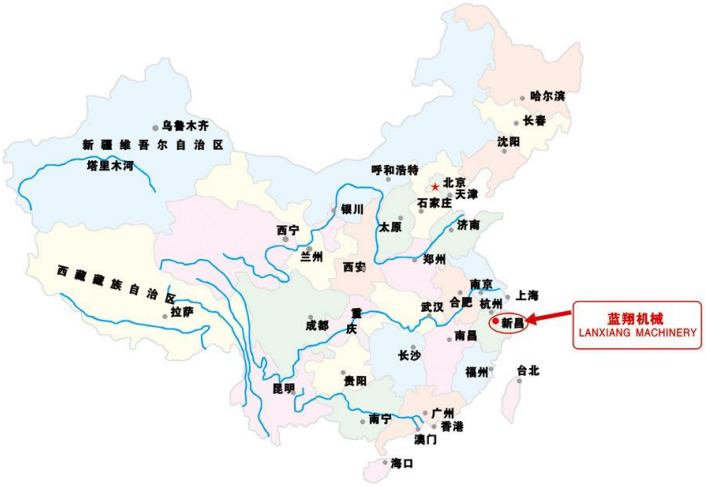

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翔风
xiangfeng

纺机专家 倍可信赖
TEXTILE EXPERTS TRUSTED TIMES

加弹包覆一体机丨一步法假捻机丨无边倍捻机
Draw Texturing and Air Covering All-in-one Machine
One-step False Twister
Rimless Twisting Machine

浙江新昌县蓝翔机械有限公司
ZHEJIANG XINCHANG LANXIANG MACHINERY CO.,LTD

公司简介
Company Profile

新昌县蓝翔机械有限公司创建于2002年，是一家专业研发生产加弹包覆一体机、一步法假捻机、无边倍捻机的企业。公司位于人杰地灵，风景秀丽的浙江新昌省级高新技术产业园区。公司坚持依托科技进步，走创新发展之路。

“让每个客户放心使用蓝翔产品”是我们始终的理念。

“诚信待客户，敬业做产品”，蓝翔人立志做百年纺机实体企业。

Xinchang Lanxiang Machinery Co.,Ltd. is founded in 2002, which is specialized in research and development draw texturing and air covering all-in-one machine,one-step false twister,two-for-one rimless twisting machine. The company is located in Xinchang Provincial High-tech Industrial Park in Zhejiang.The company sticks to the path of achieving innovation development through technological progress.

“Let the customers be assured to use Lanxiang machine” is our basic philosophy.

“Treat customers with integrity, produce excellent machine.” Lanxiang is determined to be a time-honored textile machine industrial enterprise.

客户工厂 Customer

加工中心 Machining center

LX1000型高速加弹包覆一体机

LX 1000 High-speed Draw Texturing and Air Covering All-in-one Machine

翔风 xiangfeng

设备特点 Features

该机可将锦纶无捻原丝加工成具有高弹性能的弹力丝，同时在机器上将氨纶丝和锦纶弹力丝复合，通过特制的节能网络喷嘴，实现锦（涤）氨空气一步实现，流程短，能耗低，效率高。

The machine is used to process untwisted chinlon into high stretch fiber.At the same time, it can make spandex and stretch chinlon to be air covering. Through the special intermingle nozzle to achieve chinlon/polyester air covering in one step. The machine is the most advanced, low energy consumption,but high production.

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性能 Performance

- 机器D1，D2，D2.2，三道罗拉全部采用导丝盘结构，导丝盘均采用单独的微电机控制，对丝的握持性好，保证牵伸的一致性。
- 机器A-B面独立传动，均采用同步节能电机直接传动，取消同步带，工艺参数可分别设置，二面可加工不同的品种。
- 采用特制的节能喷嘴，降低气耗，节省用电。
- 采用二道D2罗拉结构，提高锦氨包覆的结点均匀和牢度。
- 采用独特的丝道结构，提高加工细丝时工艺速度，效果明显。
- 采用可调柔性万向调节的氨纶支架，保证氨纶在高速喂入时不会断头。
- 电动生头，引丝方便快捷（选用部件）
- 变形热箱采用联苯气相加热，温度精确控制在±1℃，确保每锭温度的一致性，保证后道染色的均匀性。
- 该机结构布局合理，传动可靠，噪音低，易于工艺调整，可单锭位保养维修，提高生产效率。

- Three rollers named machine D1,D2,D2.2,all adopt the godet mechanism. The godet is controlled by the micro-motors. It control the fiber well and ensure the stretching.
- The machine's two sides (A-B) running relatively independent, both adopt energy-saving motor instead of belt, the process parameters can be set separately. Two sides could process different productions.
- The specially energy-saving nozzle can save air and power.
- Two-step D2 roller structure improve the node uniformity and fastness of the nylon spandex.
- The special fiber structure is adopted to improve the efficiency of fiber processing.
- The adjustable spandex universal support is adopted to ensure the spandex feeding well during high speed running.
- Electric structure ensures convenient and quick threading.(Optional)
- Machine's deformation heater adopts biphenyl air heating.The temperature precision is exact to ±1 ℃ assure every spindle's temperature to be same.This is beneficial for dying.
- Excellent machine structure reliable drive system and low noise. It is easy for process adjustment, and maintained by single spindle to improve productivity.

技术参数 Technical Specification

型式 Type	V型 V type
锭数 Spindle Number	240锭，24锭/节x10=240锭 240spindles ,24 spindles/section X 10 =240spindles
锭距 Spindle Gauge	110mm
假捻方式 False Twisting Type	叠盘式摩擦假捻方式 stacked disc friction false twister
变形热箱长度 Length of Heater	2000mm
变形热箱温度范围 Heater Temperature Range	160℃-250℃
热箱加热方式 Method of Heating	联苯气相加热 biphenyl air heating
最高极限速度 Maximum Speed	1000m/min
工艺速度 Process speed	800m/min~900m/min
卷装规格 Take-up Package	Φ250xΦ250
卷绕型式 Winding Type	槽筒式摩擦卷绕方式，双锥形卷装 groove drum type friction winding , packaged with double tapers bobbin
纺纱范围 Spinning Range	氨纶15D~70D;锦纶20D~300D spandex 15D~70D; chinlon 20D~300D
装机容量 Installed power	163.84KW
有效功率 Effective power	80KW~85KW
外形尺寸 Machine Size	18730mmx7620mmx5630mm

LX528大卷装智能假捻机

LX 528 Large Package Intelligent False Twisting Machine

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设备特点 Features

本设备主要用于将涤纶长丝（FDY）进行倍捻，定型（预缩），假捻的一步法连续加工，变成有弹性和绉柔的纱线，提供后道大圆机、喷水织机、无缝内衣机、织带机使用，织成风格丰富的面料。

The machine is mainly used for the one-step continuous processing of fully drawn yarn(FDY), including two-for-one twisting,ironing(preshrinking) and false twisting,and turn FDY into elastic and soft yarn, It applied to circular knitting machine,water jet loom,seamless knitting machine and ribbon loom to produce various fabric.

技术参数 Technical Specification

型式 Type	双面单层 double sides single layer
锭数 Spindle Number	基本锭数192锭，16锭/节x12=192锭 basic spindles 192, 16spindels/section X 12 = 192 spindles
锭子 Spindle	锭带轮直径Φ34mm，锭子转速8000min~12000min Diameter of belt wheel Φ34mm，spindle speed 8000min~12000min
假捻范围 False Twisting Range	卷绕和锭子电机分离，捻度可任意设定，假捻器速度160000/min The winding motor is separated from the spindles,twisting stepless adjustable,false twister speed:160000/min
捻向 Twisting Direction	S或Z捻 S or Z twist
最大卷装容量 Maximum Package Capacity	Φ230x195 KG
卷绕 Winding	20° ~40° 任意可调 20° ~40° adjustable at you will
张力控制 Tension Control	多断式张力珠和张力圈并用 Multi-sectional tension ball and tension ring are join use
适纺范围 Suitable Yarn Range	50D~400D FDY
外形尺寸 Machine Size	27000mmx1000mmx1750mm

LX2017一步法精密假捻机

LX 2017 One-step Precision False Twisting Machine

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设备特点 Features

本设备适用于涤纶长丝进行倍捻、定型（预缩）假捻的一步法加工，生产的绉丝用作涤纶仿真丝织物的纬线。由于装备在这个设备上的各个工艺环节都是功能性的加工环节，每个环节都可以对绉丝的功能产生决定性的影响，因此，本设备科提供的绉丝风格是无限的，开发的新品种是非常丰富的。同时，与传统的绉丝方法相比，它明显有效率高、产量大、成本低、资金周转快、管理方便的优势。

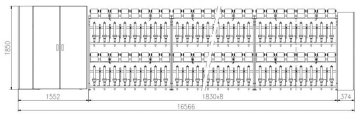
This machine is applicable to the twisting,preshrinking and false twisting of the polyester filament yarn,the production crepe yarn is used as raw material for the silk-like polyester fabrics.Because each technological provided on this equipment is a functional processing,each of the step can exert a decisive influence on the crepe yarn.Therefore, the crepe yarn styles the equipment provides are unlimitedly obtainable along with a very enriched new variety that may be developed. At the same time compared with the traditional shrink yarn method, it boasts a series of advantages,such as high efficiency,large production,low cost,quick of turn over funds,and convenient management.etc.

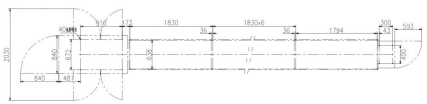
技术参数 Technical Specification

锭数Spindle Number	基本锭为160锭(16的倍数) basic spindles 160(16 spindles per section)
型式 Type	双面单层 double sides, single layer
锭子 Spindle	锭带轮直径 ϕ28 spindle belt wheel diameter: ϕ28
锭子型式 Spindle Type	固定式 fixed type
锭距 Spindle Gauge	225mm
锭速 Spindle Speed	8000-12000
假捻范围 False Twist Range	卷绕和锭子电机分离，捻度理论上任设定，无级调整 The winding motor is separated from the spindles,twisting stepless adjustable in theory
捻向 Twist Direction	S 或 Z 捻 S or Z twist
最大卷绕容量 Maximum Winding Capacity	ϕ160×152
退解管子规格 Unwinding Bobbin Specification	ϕ110× ϕ42×270
卷取管子规格 Winding Bobbin Specification	ϕ54× ϕ54×170
卷绕角 Winding Angle	20～40任意可调 20～40 adjust at will
张力控制 Tension Control	多段式张力珠和张力圈并用 Multi-sectional tension ball and tension ring are join use
适用范围 Suitable yarn range	50D～400D的涤沦化纤长丝 50D～400D polyester and filament fibre
动力装机功率 Installation Power	16.5KW
电热功率 Electro-thermal Power	10KW
工作温度 Working Temperature	140℃～250℃
热箱过丝长度 Heater Yarn Pass Length	400mm
假捻器转子最高速度 Maximum Speed of the Magnetic Spindle Rotor	160000RPM
工作环境要求 Working Environment Requirement	相对湿度≤85%；温度≤30℃ Relative Humidity≤85%；Temperature≤30℃
外形尺寸Machine Size	(2500+1830×N)×590×1750mm

LX318高速无边倍捻机

LX 318 High Speed Two-for-One Rimless Twisting Machine





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设备特点 Features

应用：用于各种规格化纤丝的加捻生产。
Application:The machine is used for series of chemical filament fiber twisting.

- 成型机构采用了伺服电机和高强度同步齿形带，代替了机械凸轮，维护方便，功耗小，噪音低。导杆用精密导轨控制，实现了精确的电子卷绕，无级可调，确保筒子良好的成形和顺利退绕。
- 电气系统采用了同步电机变频器调速控制技术，卷绕采用伺服控制系统，全机传动通过测速反馈，实时监控工艺速度，显著提升了纱线品质。既能控制传动精度，又能降低能耗，使成品极易褪解。
- 运用触摸屏人机对话操作，更方便直观调试各项工艺参数。
- 使用最长320mm直管，卷装容量可达1.8KG。

- The machine is adopt servo motor and high strength belt, instead of mechanical cam, convenient maintenance, low power consumption and low noise. The guide rod is controlled by precise guide rail, it realized the precise electronic winding, stepless adjustable to ensure the good forming and unwinding of the bobbin.
- The electronical system is adopt synchronous motor transducers technology, servo control system adopted to winding. The quality of yarn improved by real-time monitoring process speed.It can not only control the transmission precision,but also reduce the energy consumption, that caused unwinding easily.
- It is more convenient operation by touch screen.
- Using 320mm straight bobbin, maximum take-up capacity is 1.8kg.

技术参数 Technical Specification

结构形式Type	双面双层 double sides double layer
锭数 Spindle Number	256 锭 256 spindle
锭距 Spindle Gauge	225 MM
最高锭子转速 Max. Spindle Speed	13000 RPM
捻度范围 Twist Range	60-3000 T/M
捻向 Twist	S or Z
供丝筒子尺寸Bobbin Size	L240-320*Φ42*Φ38
卷绕筒子尺寸 Winding Bobbin Size	Φ175*Φ57.5*Φ62
工艺调整方式 Process Adjustment	触摸屏人机界面operation by touch screen
速度调节 Speed Adjustment	变频器同步调速 converter speed-regulated
成型方式 Take-up Type	伺服驱动，程序控制 servo drive, program control
卷绕方式 Winding Type	伺服电机传动，实时反馈 servo drive, real-time feed-back
张力控制 Tension Control	钢珠张力器和垫圈式张力器并用 tension ball and tension ring are join use
卷绕角 Winding Angle	无极可调（5-34° ）Adjust at will
主电机功率 Main Motor Power	5.5 KW*2
外形尺寸Machine Size	16570*840*1850 mm

LX 310 化纤倍捻机

LX 310 Two-for-one Twisting Machine for Filament Fibers

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设备特点 Features

- 合理的层高，无需工作小车，操作更为方便。
- 经特殊处理的锭子，使产品使用范围更广泛。
- 简捷的传动系统，使维修更为方便。

- Height of machine is suitable and easy operation.
- Filament fiber spindle with special processing and with wider suitable range.
- Simple driving system and easy for maintenance.

技术参数 Technical Specification

锭数 Spindle Number	256
供应筒子尺寸 Bobbin Size	Φ37.5 x Φ42 x 240-320
卷取筒子尺寸 Winding Bobbin Size	Φ140(160) x Φ90 x 165 x 173
锭距 Spindle Gauge	225 mm
最高锭子转速 Max. Spindle Speed	18000 RPM
捻度 Twist	300-4000T/M
捻向 Twist Direction	S or Z twist
锭子传动方式 Spindle Driving	龙带循环传动 Belt Driving
电机功率 Motor Power	2 X 7.5 kw
外形尺寸Machine Size	(1780+1830 X N) X 750 X 1950mm