TEXPRO®
stentex

T1886E 高效节能拉幅定形机

ENERGY-EFFICIENT STENTER FRAME RANGE T1886E

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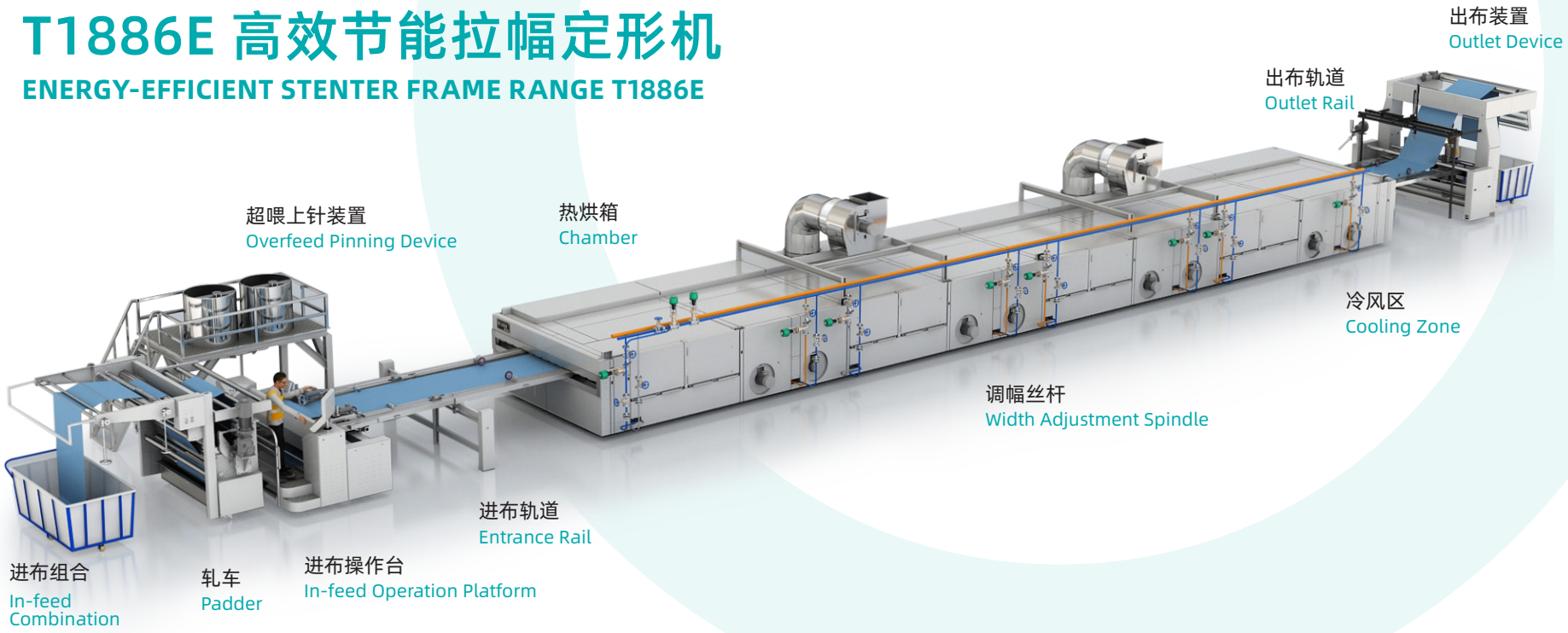


TEXPRO STENTEX T1886E 拉幅定形机是三技精密深度研发后推出的一款高效节能的机型。整机高智能控制并采用 PLC 触屏接口，其配备特殊的斜喷咀设计，满足对针织物、梭织物不同的工艺要求，大幅度提升定形机的适用性和环保性，为卓越的质量生产提供了硬件基础。

Through the past in-depth development experience of stenter, TEXPRO has launched the model TEXPRO STENTEX T1886E to the market. Besides the high intelligent control system and PLC touch screen interface, TEXPRO STENTEX T1886E is equipped with specially designed inclined nozzles to meet varies types of knitted and woven fabrics' processing requirements. The model not only improves the applicability and environmental friendly of the machine, but also provides a hardware foundation for superior quality production.

基本技术参数 Basic Technical Parameters	
织物种类 Fabric Type	梭织物、针织物、无纺织物 Woven Fabric, Knitted Fabric, Non-Woven Fabric
公称宽度 Nominal Width	180-360cm
进布速度 Speed Range	5-100m/min
烘箱箱数 Number Of Chambers	4-12
加热方式 Heating System	导热油 / 天然气 / 蒸汽 Thermal Oil Heating/Gas Heating/Steam Heating
链条类型 Chain Type	水平回转链条 Horizontal Reversed Chain
控制系统 Control System	PLC

专利 CONVEY-AIR 喷咀

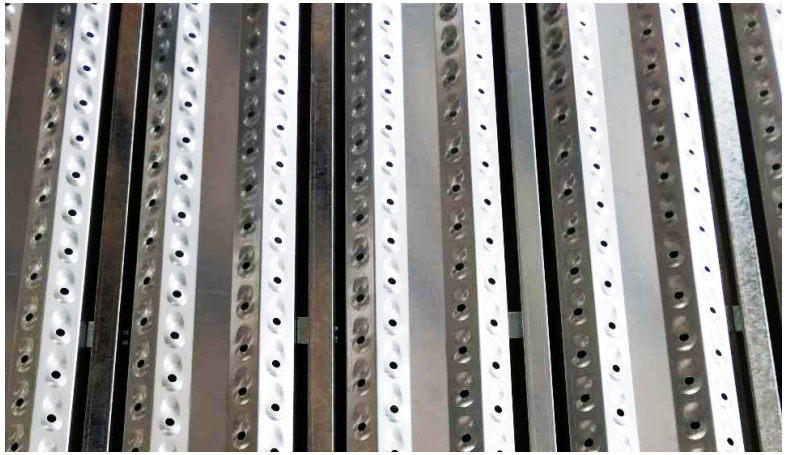
PATENTED CONVEY-AIR NOZZLE

完美的喷风循环系统，保证布面受热更均匀，专利设计 Convey-Air 喷咀，提高定形机烘干、定形效率

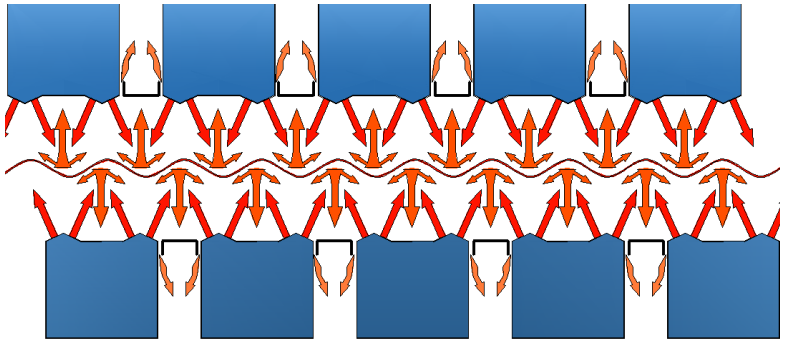
A perfect air circulation system can ensure more uniform heating of the fabric surface, Patented Convey-Air nozzle, improve the drying and setting efficiency of the stenter.

- 烘房内采用节能高效的双风道热风循环系统，上、下风量独立调节，风量大小变频控制
- 斜面风咀设计，保证左右风压一致，气流均匀地作用在整段织物上，以获得良好的定形效果和良好的残余缩水率
- 一致热风应用在织物上，提高生产效率
- 喷咀特有的设计，尤为适合敏感织物定形工艺

- The drying chamber adopts an energy-saving and efficient Twin-Air system, the upper and lower air volumes are independently adjusted, and the air volume is controlled by frequency converter.
- The inclined air nozzle design ensures that the left and right air pressures are consistent, and the air flow is evenly applied to the fabric to obtain a good setting effect and good residual shrinkage rate.
- Consistent hot air is applied to the fabric to improve production efficiency.
- The unique design of the nozzle is especially suitable for the sensitive fabric setting process.



Convey-Air 喷咀
Convey-Air nozzle



织物热风示意
Consistent hot air application to the fabric

高效节能电机

ENERGY-SAVING MOTOR

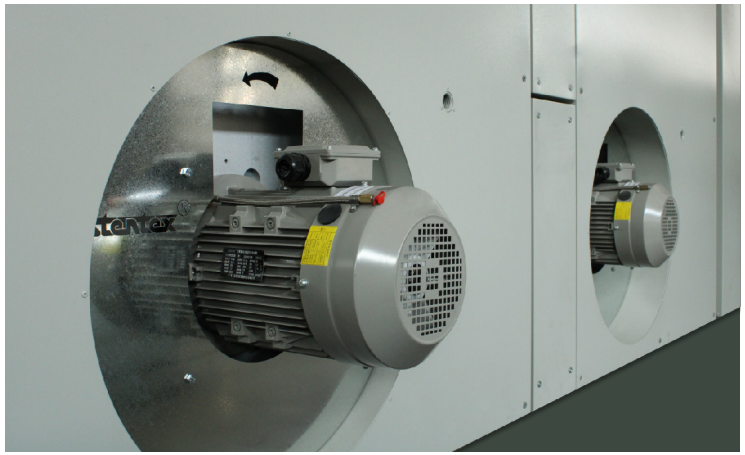
节能风机配合特殊轨道设计，降低机器的能源消耗，更加节能

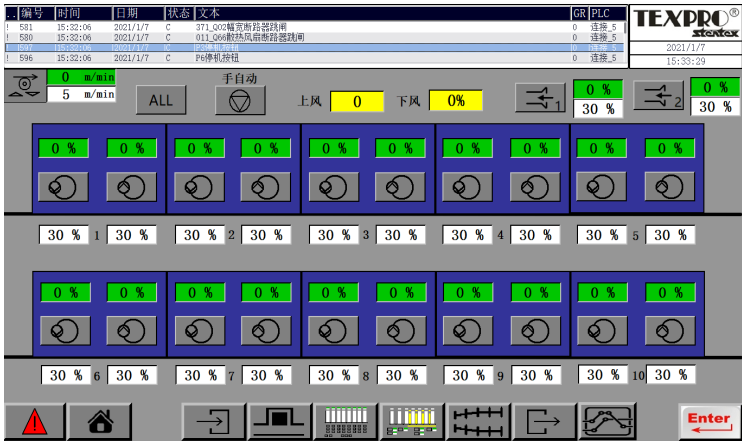
Energy saving fan combined with special track design can reduce the energy consumption of the machine.

- 烘箱部分采用高效循环节能电机，符合 GB30253-2013 达到一级耗能标准，节省电耗 5%~15%
- 循环风量精准控制，烘箱的每个循环风机风量可以在 30%~100% 独立控制

- The high efficiency circulating energy-saving motors for chambers, which achieve Primary Energy Consumption Standard with reference to GB30253-2013, and effectively reduce 5% to 15% power consumption.
- The circulation air volume is precisely controlled. The air volume of each circulation fan motor for the chambers can be independently controlled from 30% to 100% by PLC control system.

节电 Power Saving | 恒速 Constant Speed | 力矩大 High Torque | 温升低 Low Temperature Rise





操作台接口 - 显示实时风机马达转速百分比

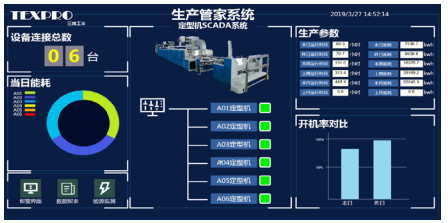
Real time air volume

全智能化控制

INTELLIGENT CONTROL

PLC 可编程逻辑控制系统，精确控制并存储工艺参数，工艺重现性好，实现远程诊断

PLC programmable logic control system,precise control and storage of process parameters.



- 接口简洁，图像显示全机及每个重要部分
- 操作方便，使用触式显示器的图像控制机器，监视各部分状态
- 稳定性高，可程序设计逻辑控制系统 (PLC)，通过互联网可提供远程诊断
- 故障率低，报警点历史记录功能，处理快捷方便

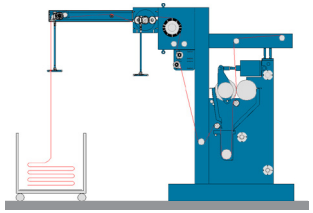
- Simple Interface:
  the monitor can show the whole machine and each important part.
- Easy to Operate:
  using the touch-sensitive display to control the machine, monitoring the state of each part.
- High Stability:
  programmable logic control system(PLC) can achieve remote diagnosis through Internet.
- Low failure rate:
  it's easy and quick to process because the system can memorize history alarms.

核心部件
KEY COMPONENTS

进布组合　Infeed Combination

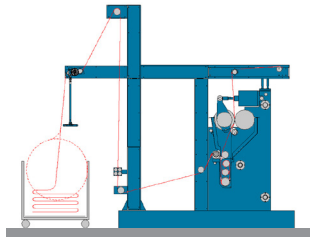
由进布架、扩幅对中装置、轧车、速度同步装置组成

The infeed combination are composed of the entry frame, centering device, padder and speed synchronous device.



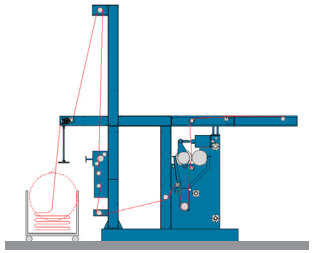
针织物进布组合

Infeed combination for knitted fabrics



梭织物进布组合

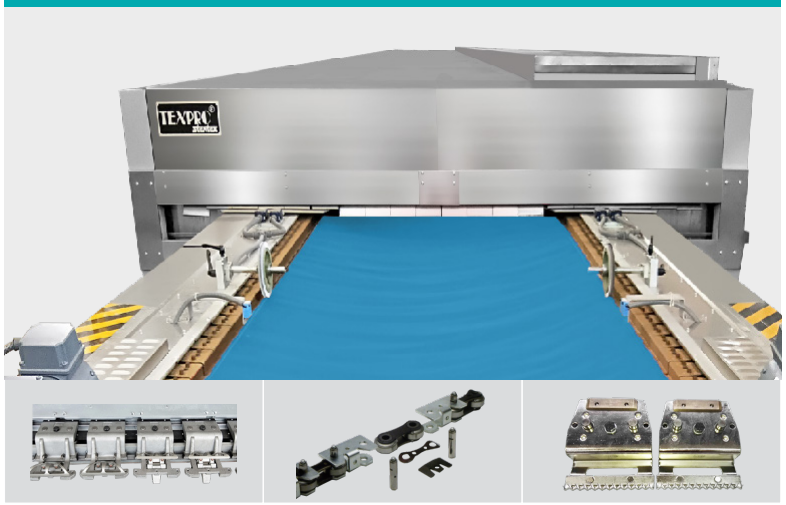
Infeed combination for woven fabrics



针织物、梭织物两用进布组合

Infeed combination for both knitted and woven fabrics

弧形进布轨道　Arc Infeed Rail



左、右轨道变窄有效工作宽度较之前提高 100mm

The effective working width is increased by 100 mm compared with the previous one.

- 中间两段式托布绳承托织物，降低织物张力

  The middle two-piece conveyor rope supports fabric to reduce tension of fabric

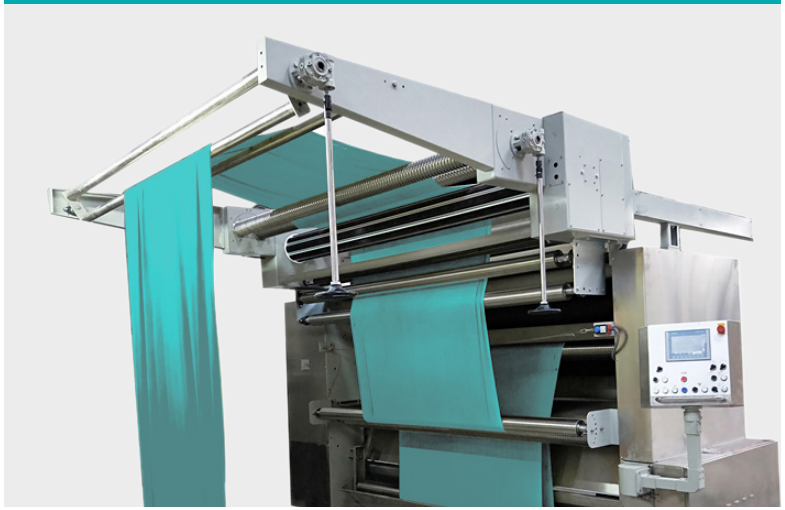
- 主链条采用长效免润滑的高分子材料，具有高强度和磨性能卓越的优点

  Non-iubricated polymer materials, with the superior advantages of high strength and wear resistance

- 针夹 & 链条织物上针精准控制，特有针板加防风夹，损耗低

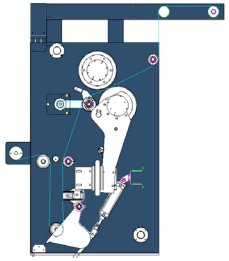
  Fabric pinning can be precisely controlled, special pin plates and clips, low loss

轧车 Padder



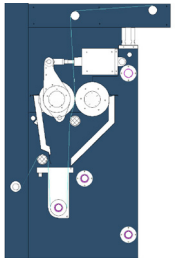
轧辊马达变频控制速度，外置装嵌式风扇及热监控器

Roller motor with frequency control speed, External assembled fan and thermal monitor.



斜辊式整理轧车

Sideling padder



水平式整理轧车

Horizontal padder

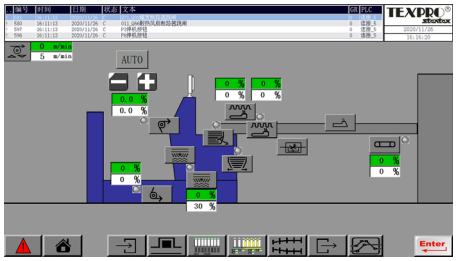
两种轧车可选，轧辊表面包胶硬度可选。

Two kinds of padder are available, different rubber coating hardness of the roller can be chosen.

进布操作台 In-feed Operation Platform

配水平链条的进布操作台，适用于高强度拉幅织物

In-feed operation platform with horizontal chain suitable for fabric of high tension.



人机操控平台 - 操作台设置接口

Man-machine control platform-Operation Platform Setting

人机操控平台

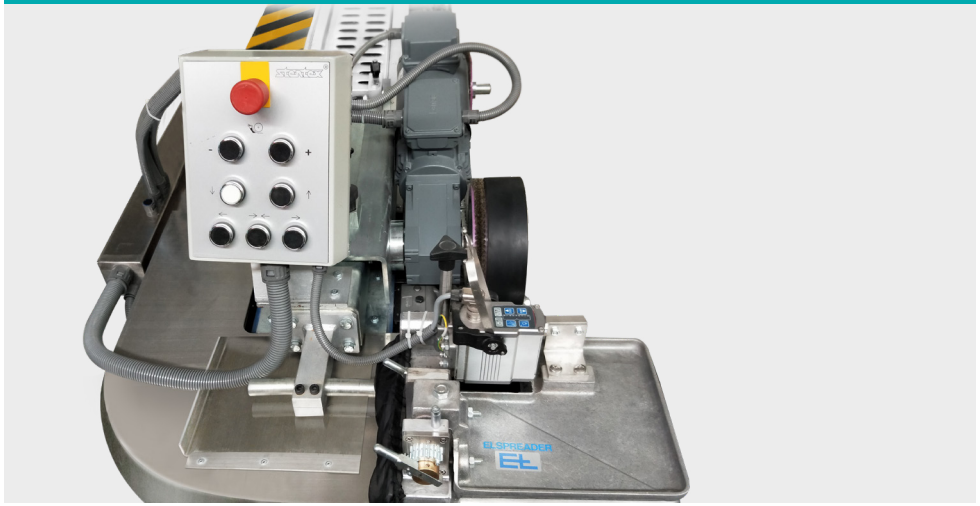
Man-machine control platform

触摸屏集中控制，操作简便，自动化程度高。

Touch screen centralized control, easy operation and high automation.

核心部件
KEY COMPONENTS

超喂上针装置　Overfeed Pinning Device



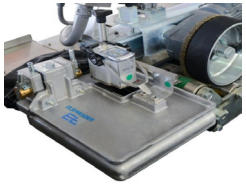
上针超喂 -10% ~ +100%，调整范围广，满足不同织物上针超喂需求

配驱动毛刷，适合高弹织物，气动升降，寿命长久

Overfeed pinning range from -10% to 100%, with wide adjustable range to meet the demand for overfeeding of different fabric.
With driven brush, for high elastic fabric, pneumatic lifting and long service life.

齿排式剥边器
Tandematic-type uncurler

辗式剥边器
Rollers uncurler



吹气式剥边器
Pneumatic uncurler

给湿蒸气箱　Box Steamer

蒸汽箱的工作宽度可根据轨道的宽度调节，不锈钢网促进蒸汽均匀分布

The working width of the steamer can be adjustable by the rail width. Stainless steel mesh can promote even distribution of steam.

不锈钢挡风板　Stainless Steel Damper

织物进出烘箱处均设有挡风板，独特挡风板设计，能有效防止热量散失

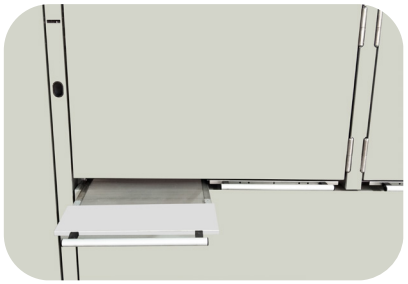
With air dampers for the fabric in and out of the chamber, special air damper design, can effectively prevent the heat loss.

热烘箱 Chamber

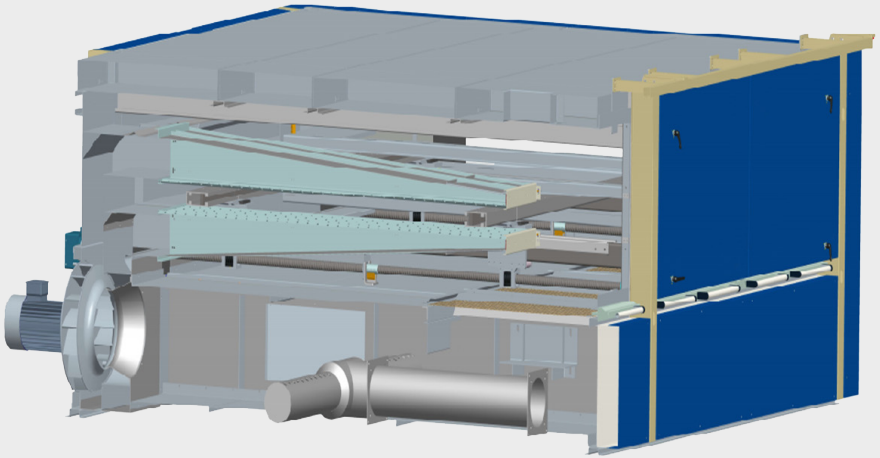
除尘滤网
Filter

采用外部抽取方式清扫，易于保养。双层网，可以实现不停机清洁。

External extraction cleaning way, easy maintenance. Double filter, non-stop cleaning.



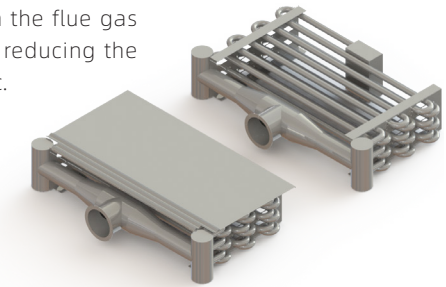
加热方式 Heating System



天然气间接加热
Indirect natural gas heating

间接加热相对于直接加热而言，避免了烟气与织物的直接接触，减少了黄变的发生。

Compared with direct heating, indirect heating avoids direct contact between the flue gas and fabric, thus reducing the yellowing of fabric.



天然气间接加热
Gas Heating System

直接燃烧
Direct Gas Heating System

间接燃烧
Indirect Gas Heating System

循环导热油加热
Circulating Transfer Oil Heating System

中压蒸汽加热
Medium Pressure Steam Heating System

核心部件
KEY COMPONENTS

冷风区 Cooling Zone

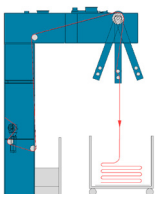
冷风经过过滤网进入叶轮由马达驱动分别导入上、下风咀，挡风板可调控进风量比例，嵌入式圆孔风咀，方便拆装。

The cold air passes through the filter and enters the impeller, which is driven by the motor and directed into the upper and lower air nozzles respectively. The damper can adjust the proportion of air inlet volume, and the embedded round hole air nozzle is easy for mounting and dismounting.

出布装置 Outlet Device

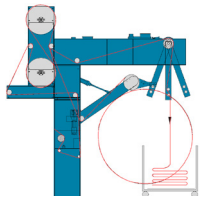
出布与摆布装置，独立电机控制，变频调节。
可根据布车大小，调节摆布宽度。

Fabric outlet and plaiting device, independent motor controlled, variable frequency adjusted. Adjustable width is available according to the size of trolley.



针织物出布装置
Knitted Fabric Outlet Device

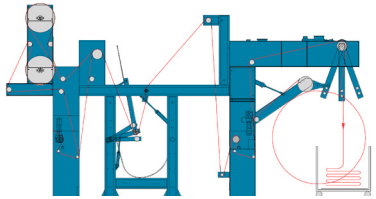
摆布落车
Plaiter



梭织物出布装置
Woven Fabric Outlet Device

两根冷水辊，给织物降温，
表面打卷、摆布落车。

Two cooling rollers to lower the fabric temperature,
A surface-driven winder and plaiter.



梭织物组合出布装置
Woven Fabric Combination Outlet Device

两根冷水辊、J 型储布箱、吸边式对中、
表面打卷、摆布落布。

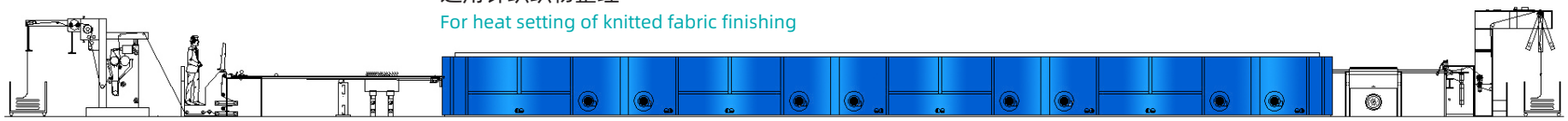
Two cooling rollers, a J-box, pneumatic type centering device,surface-driven winder and plaiter.

定形机模块式组合

MODULAR SYSTEM FOR STENTER

适用针织织物整理

For heat setting of knitted fabric finishing



适用梭织织物整理

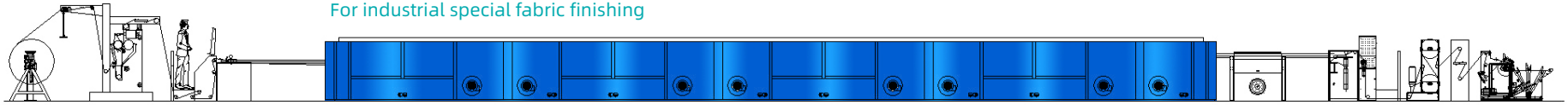
For heat setting of woven fabric finishing

适用针织物、梭织物两用定形整理

For heat setting of knitted and woven fabric finishing

适用产业特种织物整理

For industrial special fabric finishing



电话 (Tel): +86 757 8361 8856 / +86 757 8213 5286

邮箱 (E-mail): sales@texpro-group,com / mkt@texpro-group.com

网站 (Web): www.texpro-group.com

三技精密技术 (广东) 股份有限公司

TEXPRO PRECISION TECHNOLOGY (GUANGDONG) CO., LTD

地址 : 广东省佛山市禅城区华宝南路 1 号 12 座厂房

Add: Building 12, No, l, South Huabao Road, ChanchengDistrict, Foshan,Guangdong, China.

广东三技克朗茨机械科技有限公司

TEXPRO & STENTEX MACHINERY TECHNOLOGY CO., LTD.

地址 : 广东省佛山市三水区中心科技工业区大塘园 A 区 69-2 号

Add: No.69-2, Area A, Datang Park, Central Technology Industrial Zone, Guangdong, China.