

BEST

■ MODEL BS57X/BS58X



环锭细纱机

经典系列高速智能型长机

CLASSIC SERIES HIGH-SPEED INTELLIGENT LONG SPINNING MACHINE



贝斯特机械制造有限公司
BEST MACHINERY COMPANY LTD.



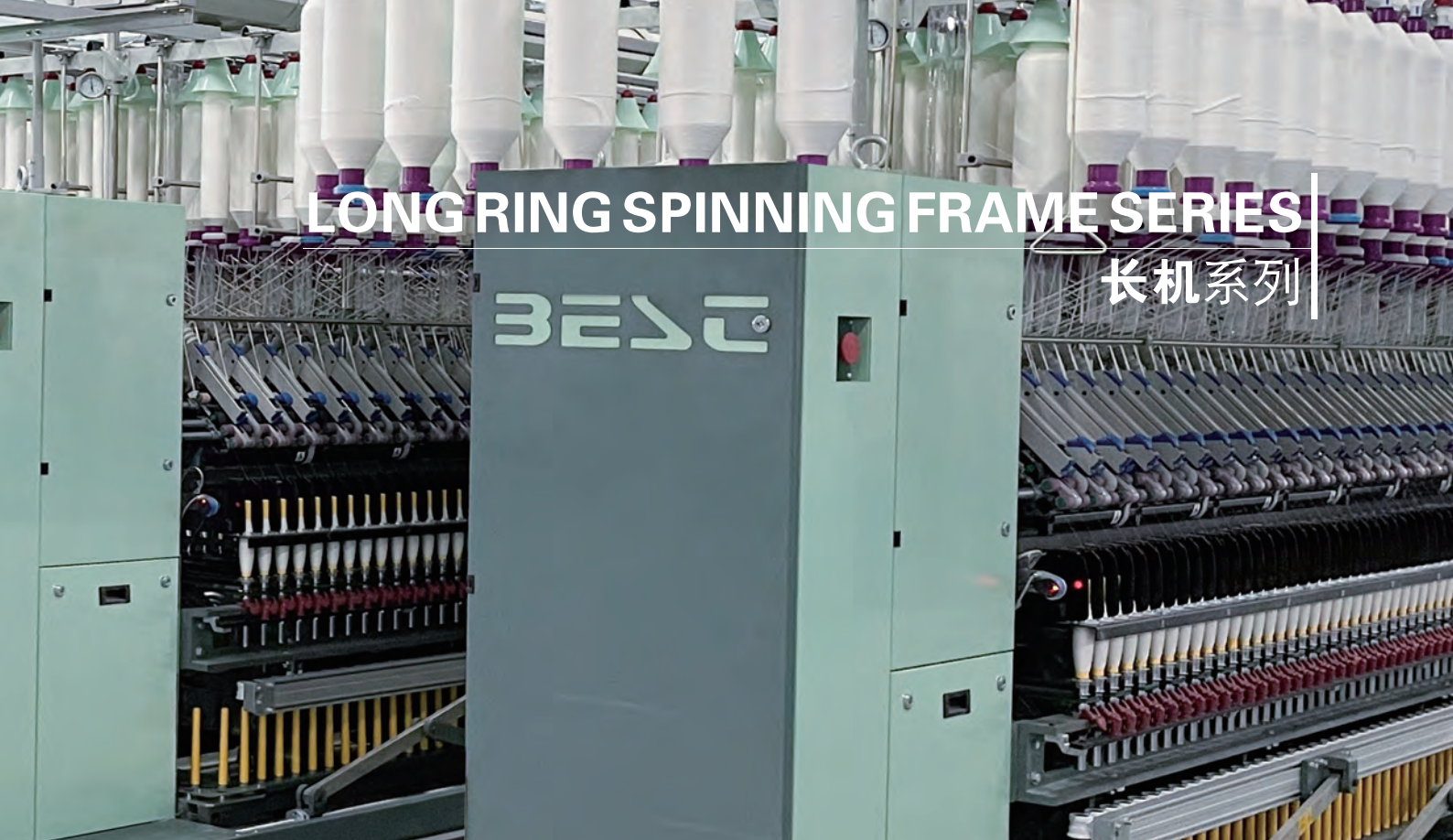
产品介绍 PRODUCT

BS57X/BS58X 经典系列高速智能型细纱长机 **贝斯特品牌最具代表性的产品系列**

BS57X/BS58X Classic series high-speed intelligent long spinning machine.
The most representative product serials of the BEST brand.

贝斯特高速智能型环锭细纱长机系列,立足国际领先水平,顺应环锭细纱机发展趋势。在细究国际同类设备先进性的基础上,研发的拥有独特纺纱适应性的高速、高稳定性系列化产品。产品研发融入创新、科学、数智、节能的理念,满足客户对设备高速、高效、可靠、智能等的多方位需求,是国内外客户的首选产品。

Based on the international leading level, comply with the development trend of ring spinning frame. On the basis of studying carefully into the international advanced same kind equipment , the company researched and developed with a series of intelligent products with different theme design ideas. Product research and development integrate the concept of innovation, science, intelligence, energy saving, to satisfy the customer's requirements to the equipment of high speed, efficient, reliable and intelligent and so on. So it is the first products choice for customers both at home and abroad.

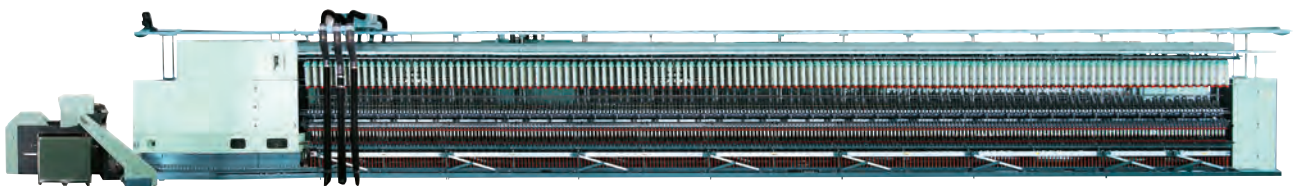


不断扩大的产品销路及市场,优异的产品口碑—贝斯特细纱机助力您的未来

Expanding product sales and excellent product reputation in the market, BEST spinning machine to help your future.

以最佳的解决方案助力最优的纱线品质。优质的装备,最佳的性能——高速、高效、节能、智能,最长锭数可达1824锭。

The best solution helps the best yarn quality. The best equipment, the best performance – there is always something for you – BEST new generation of high speed intelligent ring spinning frame, the longest spindle count up to 1824 spindle.



节能降耗,依靠科技力量提高纱线的经济性

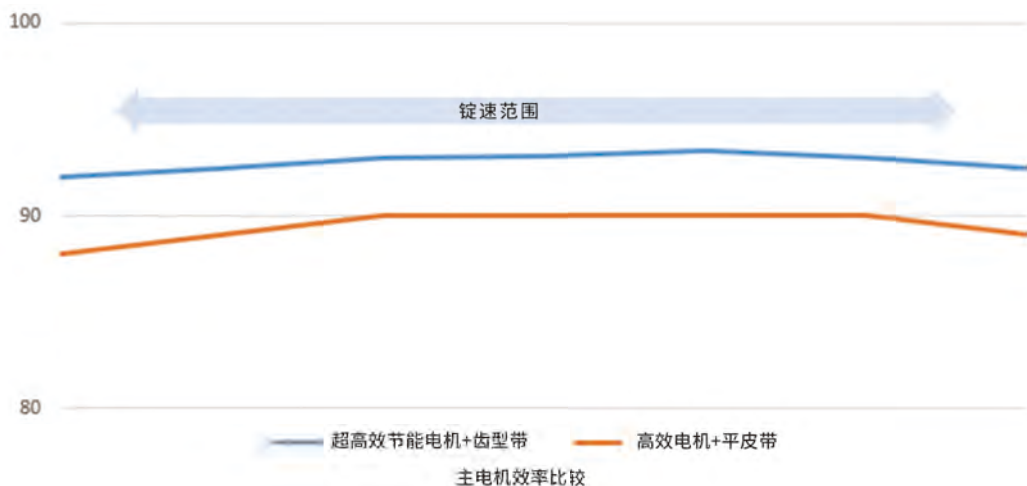
ENERGY SAVING AND CONSUMPTION REDUCTION

RELYING ON SCIENCE AND TECHNOLOGY TO IMPROVE THE YARN ECONOMY

超长细纱机制造技术的成熟,意味着单台设备锭数增加的同时工厂建设维护成本的相对降低,企业将因此获得更高的经济效益。

The maturity of super-long ring spinning frame manufacturing technology means that the number of spindles per frame of equipment increases at the same time, the relative reduction of plant construction and maintenance costs, and the enterprises will thus obtain higher economic benefits.

- 整机最高锭数 1824 锭,大批量生产可实现更高的生产效率。
 - 新型紧密纺系统, 更高的原料利用率,更低的器材损耗。
 - 主轴传动采用“超高效节能电机”配套高性能齿型带传动可节能 3%。
- The maximum spindle number is 1824, which can achieve higher production efficiency in mass production.
 - New compact spinning system can achieve higher raw material utilization, lower material consumption.
 - Main shaft drive adopts “super efficient energy-saving motor” fitting with high performance timing belt can save energy by 3%.

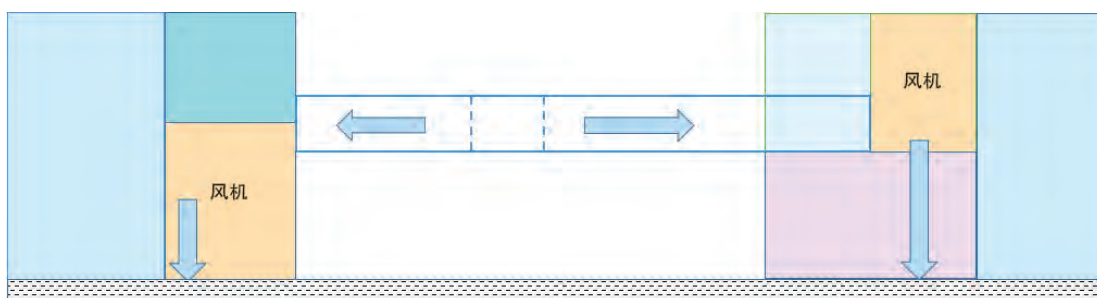


● 吸棉系统采用节能风机有效降低能耗。

Efficiency suction motor reduces the energy consumption.

● 采用双侧吸棉风机结构,有效减少负压的沿程压力损失,提高吸棉效率。

- The super long frame adopts the structure of two side suction fan, which can effectively reduce the loss of negative pressure and improve the suction efficiency.



双侧吸风风机布置图

● 高性能专件显著提升能效。

High performance components significantly improve energy efficiency.

● 高速锭子特别适用于高速纺纱。提高效率,降低吨纱成本。

- High speed spindles are especially suitable for high speed spinning. Improve efficiency and reduce the cost of ton yarn.



高速智能,缔造性能优异的智慧纺纱系统

HIGH SPEED AND INTELLIGENCE CREATE INTELLIGENT
SPINNING SYSTEM WITH EXCELLENT PERFORMANCE

- 基于传统机械传动模式,电子加捻、电子牵伸、电子升降等新技术的融入,使不断优化且经长期验证的传动系统尽显高速、高效、稳定、智能的优势。

Based on the traditional mechanical transmission mode, electronic twist, electronic drafting, electronic lifting and other new technologies have integrated into the system, so that the continuous optimization and long-term verification of the transmission system to show the advantages of high speed, high efficiency, stability and intelligence.

- 更高速度,更低噪音,运行平稳,努力为棉纺企业营造生态友好的工作氛围。

Higher speed, lower noise, stable operation, and strive to create an eco-friendly working atmosphere for cotton spinning enterprises.



- 伺服控制等智能化电气控制方式的融入,充分保障了罗拉传动的高标准、高精度同步。

The integration of servo control and other intelligent electrical control methods fully guarantees the high standard and high precision synchronization of roller transmission.

- 断电同步功能有效防止意外停电造成的产量损失。

Power off synchronization function effectively prevents the loss of production caused by unexpected shutdown.

- 中间驱动系统的设计,消除罗拉扭振弊端,在避免开车断头的同时,保证超长设备稳定的成纱质量。

The design of the middle drive system can effectively avoid from the torsional vibration of the bottom roller and ensure the stable spinning quality on the super-long frame while avoiding the end break at the start.



需求引领创新 / 品质成就卓越

DEMAND LEADS INNOVATION / QUALITY ACHIEVES EXCELLENCE

自动落纱 助力企业高效连续化生产

AUTO DOFFING SYSTEM HELPS ENTERPRISES TO PRODUCE EFFICIENTLY AND CONTINUOUSLY

● 集体落纱,快速稳定,可靠高效,缩短停台时间,提升运转效率及产量。

Auto doffing system: fast and stable, reliable and efficient, shorten the frame stop time, improve operation efficiency and production.



● 纱管输送,平稳、精准、省时,充分满足超长设备生产需求。

Yarn tube conveying system: stable, accurate, time-saving, fully meet the production needs of super-long frame.

● 全自动理管,无需人工干预,实现生产效率最大化。

Fully Automatic empty tube management: without manual intervention, to maximize production efficiency.

创新科技,铸就高速优质的精良纺纱利器

INNOVATIVE TECHNOLOGY, CASTING HIGH SPEED AND HIGH QUALITY FINE SPINNING TOOLS



● 高精度的智能化传动系统高速高效的设备基础

- 高精度齿轮配合优越的动力传动路线,稳定高效,提速降噪
- 智能化的控制方式,科学优化,精准可靠;
- 优化的润滑方式,免停车,延寿命,增效益



● 全机主传动系统的加强及结构优化,为设备高速稳定运转保驾护航

● 坚实稳固高精度的机架结构 承载着长机高速稳定运转的专业技术积淀

- 超经典机架排列与多位一体中墙板的完美结合,构建精准快装设备框架
- 6锭一节罗拉,更强的稳定性、更好的抗弯性能,适应长车高速运转

● 独有的纺纱断面,为高速下纺制高品质纱线提供了扎实可靠的基础

- High precision intelligent transmission system, high-speed and efficient equipment basis.
- The classic frames structure with solid stability and high precision bears the professional and technical accumulation of long-term stable operation of super-long equipment.
- System is strengthened and optimized to ensure the high-speed and stable operation of the equipment.
- Unique spinning section provides a solid and reliable foundation for spinning high yarn at high speed.



需求引领创新 / 品质成就卓越

DEMAND LEADS INNOVATION / QUALITY ACHIEVES EXCELLENCE

灵活便捷,卓越的智能化控制成就完美高效纺纱体验

FLEXIBLE, CONVENIENT AND EXCELLENT INTELLIGENT CONTROL MAKES THE MACHINE PERFECT AND HIGH EFFICIENT SPINNING EXPERIENCE.

● 新型紧密纺系统,更优品质更好成纱

- 优化设计,毛羽、强力、纺纱条干水平更优,运转愈加平稳,积花少
- 维护保养方便,原料利用率高,器材损耗少

● 超强的适应性,轻松实现多品种纺纱

- 满足灵活多样的产品需求,可纺制包芯纱、赛络纱、竹节纱,段彩纱等多种花式纱线
- 简单安装即可实现紧密纺与环锭纺的切换,灵活应对市场变幻
- 双张力轮模式,轻松变化Z/S捻,满足用户纺纱需求

● 图形化操作界面,带给客户全新的数字化管理体验

- 通过屏幕操作即可轻松变化工艺,纺制多品种花式纱线
- 简单操作呈现完美管纱成形,细微处见效益
- 汇聚设备运转状态在线显示、工艺参数储存及调取、生产管理等诸多功能,助力棉纺企业智能化

● 流程化生产,数字联网,棉纺企业加速智能化高效管理

- 可配备细纱断纱检测,粗纱自停装置,全面监控纺纱过程
- 与粗纱机、络筒机设备互联,实现细络联机的自动化纺纱生产
- 实现数字联网,数据共享,生产过程全面掌控,助力减员增效

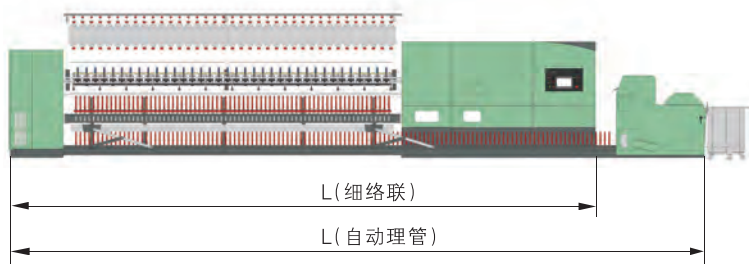
- New compact spinning system provide better quality and yarn forming.
- Super adaptability, that is easy to realize multi-variety spinning.
- Graphical operation interface brings customers a completely new digital management experience.
- Process production and digital networking make the cotton spinning enterprises to accelerate intelligent and efficient management.



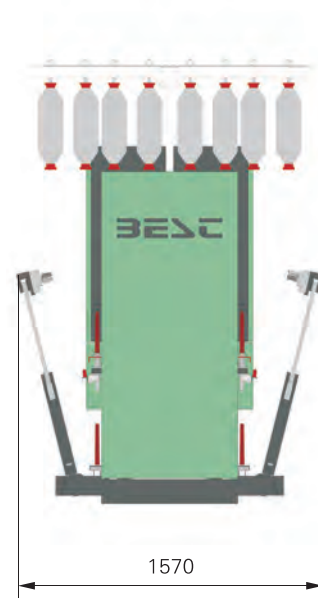
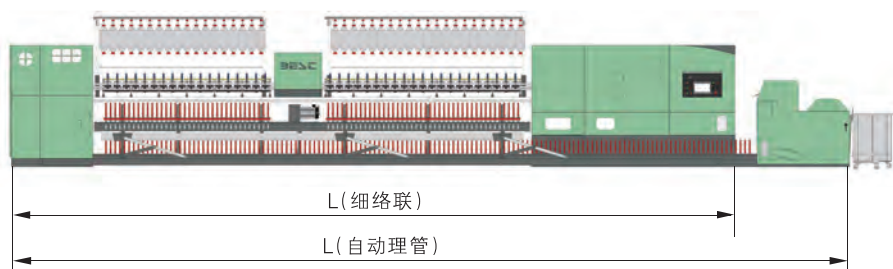
环锭细纱机系列示意图

RING SPINNING FRAME SERIES FIG.

BS572/BS582



BS576/BS578/BS588



| 机型 Model | L(细络联) Winder-link | L(自动理管) Arrange | 锭数 Spd. | 产品配置 Configuration |
|--------------|-----------------------|----------------------|-------------|---|
| BS572S(E)(M) | $35 \times N + 3905$ | $35 \times N + 5590$ | ≤ 1200 | 开式传动,短车尾,单吸风 Open drive,short end,end suction |
| BS572(E)(M) | $35 \times N + 4325$ | $35 \times N + 6010$ | | 开式传动,长车尾,单吸风 Open drive,long end,end suction |
| BS572D(M) | $35 \times N + 4710$ | $35 \times N + 6395$ | | 开式传动,长车尾,双吸风 Open drive,long end,double suction |
| BS582ES(M) | $35 \times N + 3905$ | $35 \times N + 5590$ | | 箱式数控传动,短车尾,单吸风 NC.Drive box,short end,end suction |
| BS582E(M) | $35 \times N + 4325$ | $35 \times N + 6010$ | | 箱式数控传动,长车尾,单吸风 NC.Drive box,long end,end suction |
| BS576(E) | $35 \times N + 5550$ | $35 \times N + 7345$ | ≤ 1608 | 开式传动,双吸风 Open drive,double suction |
| BS576(E)M | $35 \times N + 6095$ | $35 \times N + 7890$ | | |
| BS578(E) | $35 \times N + 5970$ | $35 \times N + 7765$ | ≤ 1824 | 开式传动,双吸风,集落车中传动 Open drive,double suction,doffer mid |
| BS578(E)M | $35 \times N + 6515$ | $35 \times N + 8310$ | | |
| BS588E | $35 \times N + 5970$ | $35 \times N + 7765$ | | 箱式数控传动,双吸风,集落车中传动 NC.drive box,double suction,doffer mid |
| BS588EM | $35 \times N + 6515$ | $35 \times N + 8310$ | | |

E: 电子数控 NC, M: 紧密纺 Compact, N: 锭数 Spindle numbers

DEMAND LEADS INNOVATION / QUALITY ACHIEVES EXCELLENCE

| | | | |
|--------------------------|--|--|--|
| 机型 Model | BS572(E)(S)(M) BS582E(S)(M) BS572D(M) | BS576(E)(M) | BS578(E)(M) BS588E(M) |
| 锭数 Spindle numbers | 1008±12n(n为整数int) 最大max1200锭 | 1308+36n,1320+36n (n为整数int)最大max1608锭 | 1632+36n,1644+36n (n为整数int)最大max1824锭 |
| 锭距 Spindle gauge | 70mm | | |
| 升降动程 Lift | 180mm,190mm | | |
| 纱管长度 Tube length | 210mm,220mm | | |
| 适纺支数 Count | 6~100S | | |
| 锭速 Spindle speed | 8000~24000rpm | | |
| 捻向 Twist direction | Z捻或S捻 | | |
| 适纺捻度 Twist | 300~1900T/m | | |
| 牵伸倍数 Drafting ratio | 10~88倍 | | |
| | 10~120倍(数控Ele) | | |
| 摇架 Pendulun arm | 弹簧摇架,气动摇架,板簧摇架 Spring,Pneumatic,Leaf spring pendulun arm | | |
| 罗拉直径 Roller dia | Φ27XΦ27XΦ27 | | |
| 钢领 Ring | Φ35~Φ48 | | |
| 纱架 Roving creel | 六列纱架;赛络纺纱架6 row ;siro | | |
| 断头吸棉 Suntion | 笛管式 Flute | | |
| 升降形式 Lift style | 电子升降 Electronical lifting | | |
| 电气控制 Electric control | PLC+变频调速 PLC+Inverter | PLC+电子加捻+变频调速 PLC+Ele twisting+Inverter | |
| | PLC+电子加捻+电子牵伸+变频调速 PLC+Ele twisting+Ele drafting+Inverter | | |
| | 全自动集体落纱 Auto-doffing | | |
| 选配 Option | 紧密纺,旋转粗纱,断纱检测,粗纱自停 Compact,Roving circle,Breaking detector,Roving stop | | |

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