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THE GLOBAL TEXTILE INDUSTRY FRIENDS,
THE PRIDE OF CHINA'S MANUFACTURING INDUSTRY.

郑州宏大新型纺机有限责任公司
ZHENGZHOU HONGDA NEW TEXTILE MACHINERY CO., LTD.

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开清梳联合机 BLOWING-CARDING MACHINERY



公司简介

INTRODUCTION

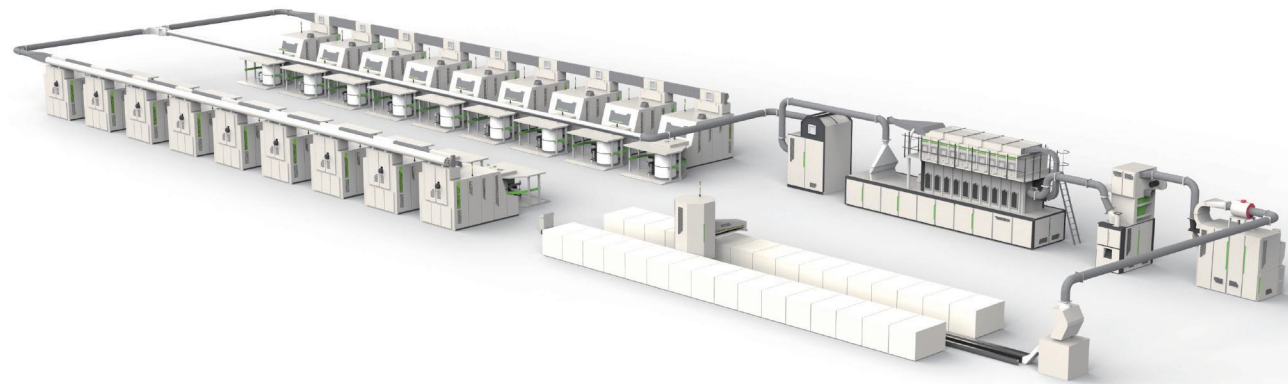
专注于开清棉系列设备、清梳联合机研发及生产制造

FOCUSING ON THE RESEARCH AND DEVELOPMENT AND MANUFACTURING OF SERIES BLOWROOM MACHINERY AND BLOWING-CARDING MACHINERY.

郑州宏大新型纺机有限责任公司的前身是始建于1949年的国营郑州纺织机械厂（简称郑纺机）清梳联工程公司。1999年，根据中国纺织机械（集团）有限公司资产重组的战略决策，由郑纺机和经纬股份共同出资组建郑州宏大新型纺机有限责任公司（简称郑州宏大），一直专注于开清棉系列设备、清梳联合机研发生产制造和服务。

郑州宏大是我国最早从事清梳联相关技术和装备研发的单位，承担的《开清梳联合机的研制》项目1988年被列入国家“八五”重点科技攻关计划项目，1996年通过国家“八五”重点科技攻关项目成果验收，1997年被列入“九五”国家级重点科技推广计划项目。同期分别荣获中国纺织总会科技进步一等奖，国家科技进步二等奖。

郑州宏大是国内最早具备独立成套研发制造销售清梳联合机能力的厂家。2004年，公司完成了新型高产梳棉机的系列设计研发与生产应用，先后推出了JWF1204系列单刺辊梳棉机和JWF1206系列三刺辊梳棉机，并率先在国内外推出1220mm机幅的梳棉机；2008年，推出了具备单出条和双出条两种模式的1500mm宽幅梳棉机，并延伸至2000mm机幅用于高档无纺布梳理。公司研发并同时拥有单、双轴流开棉机，研发并同时拥有1200mm、1600mm、1800mm、2000mm等多种机幅混清棉设备。公司早在2007年就开始研发并成功应用远程网络监控、运维智能控制系统，服务和促进用户在线智能管理升级。公司新一代高效数字化清梳联合机于2016年通过中纺联科技成果鉴定，处于国际先进、国内领先水平，并先后获得中纺联和恒天集团科技进步二等奖。2016年，公司成功将国内首创的高精度纤维混纺自动称量技术应用到清梳联生产线中，百称称量误差 $\leq 2\%$ ，称量精度达到国际领先水平。该技术的成功应用不仅大幅提高了现有混纺、色纺的混合精度，而且使工作效率得到了50%以上的提升。该技术于2019年通过中纺联科技成果鉴定，2020年获得中纺联科技进步奖。



公司经过70多年的发展壮大，具有从冷加工、机加工到热加工及表面涂层处理全工艺流程的能力，拥有加工设备396台套，其中数控设备240余台套，数控化率达到70%以上，形成了强大的加工保障能力。公司研发的系列梳棉机和清花设备分别于2017、2021、2022年取得欧盟CE安全认证，使公司产品的质量、稳定性得到有力的保证。2018年3月郑州宏大被中国纺织机械协会授予“中国纺织机械行业清梳联合机研发中心”。

郑州宏大的清梳联产品以其优良的性能和合理的价格在国内市场上占据了主导地位，其产品不仅深受天虹集团、魏桥集团、华孚集团、华芳集团、恒丰集团、德州华源、夏邑永安、平顶山昌茂、宣城天舒、河北圣元等国内众多用户的喜爱，同时还远销墨西哥、尼加拉瓜、土耳其、印度、巴基斯坦、俄罗斯、乌兹别克斯坦、吉尔吉斯斯坦、埃及、贝宁、坦桑尼亚、摩尔多瓦、尼日利亚、越南、朝鲜、柬埔寨、孟加拉、缅甸、泰国、马来西亚、印尼等国家和地区。

郑州宏大将始终秉持创新引领，诚信务实的发展理念，以技术、品质和服务致力于为客户创造价值最大化。

The predecessor of Zhengzhou Hongda New-type Textile Machinery Co., Ltd. was the Blowing-carding Engineering Company in the state-owned Zhengzhou Textile Machinery Plant (Zhengzhou Textile Machinery for short) formerly founded in 1949. In 1999, according to the strategic decision of asset reorganization of China Textile Machinery (Group) Co., Ltd., Zhengzhou Hongda New-type Textile Machinery Co., Ltd. (Zhengzhou Hongda for short) was established with the joint investment of Zhengzhou Textile Machinery Co., Ltd and Jingwei Textile Machinery Co., Ltd. At present, Zhengzhou Hongda is focusing on the research and development and manufacturing of series Blowroom machinery and Blowing-carding machinery.

Zhengzhou Hongda is the earliest unit in China to engage in the relevant technology and R&D of Blowing-carding machinery. The project of "Development of Blowing-carding Machinery" undertaken by Zhengzhou Hongda was listed in the national "Eighth Five-Year Plan" key science and technology research projects in 1988. It passed the acceptance of the achievements of the national "Eighth Five-Year Plan" key science and technology research project in 1996 and was listed in the national "Ninth Five-Year Plan" key science and technology promotion projects in 1997. In the same period, it won the first prize of science and technology progress of China Textile Association and the second prize of national science and technology progress.

Zhengzhou Hongda is the earliest manufacturer in China with independent complete R&D, manufacturing and sales capabilities of Blowing-carding machinery. In 2004, the company completed the design, development and application of a series of high-production cards, successively introduced the JWF1204 Series Single Taker-in Cards and JWF1206 Series Tri-taker-in Cards, and took the lead in introducing the working width 1220mm of Cards at home and abroad; In 2008, the working width 1500mm of Cards are introduced with single sliver-delivery and double sliver-delivery patterns and extended to the working width 2000mm for high-grade non-woven fabric carding. The company has developed and owned both single and double axial-flow openers, and has developed and owned 1200mm, 1600mm, 1800mm, 2000mm and other working widths of mixing and cleaning equipment. As early as 2007, the company began to develop and successfully apply remote network monitoring, operation and maintenance of intelligent control systems, services and promotion of the user online intelligent management upgrade. The new generation of high-efficiency digital blowing-carding machinery passed the identification of science and technology achievements of China Textile Union in 2016 in the international advanced and domestic leading level, and successively won the second prize of science and technology achievements of China Textile Union and China Hi-tech Group Corporation. In 2016, the company successfully applied the whole set of high-precision automatic weighing technology initiated by China in the blowing-carding production line. The weighing error is $\leq 1.5\%$ and the weighing precision reaches the international leading level. The successful application of this technology not only greatly improves the mixing precision of existing blended and colored spinning, but also improves the work efficiency by more than 50%. This technology passed the appraisal of technological achievements by China Textile Union in 2019, and has won the Science and Technology Progress Award of China Textile Industry Federation in 2020.

After more than 70 years of development and growth, the company has the ability to whole process flow from cold processing, machining to hot processing and surface coating treatment, and has 396 sets of processing equipment, including more than 240 sets of CNC equipment with the numerical control rate up to 60%, and formed powerful processing support capacity. The company has developed Series of carding and cleaning equipment achieved the European CE Safety Certification respectively in 2014 and 2015 so that the company product quality and stability have been powerfully guaranteed. In March 2018, Zhengzhou Hongda was awarded "China Textile Machinery Industry Blowing-Carding Machinery Research and Development Center" by China Textile Machinery Association.

Zhengzhou Hongda Blowing-carding products play a leading role in the domestic market with its excellent performance and reasonable price. Its products are not only deeply loved by many domestic users such as Tianhong Group, Weiqiao Group, Huafu Group, Huafang Group, Hengfeng Group, Dezhou Huayuan, Xiayi Yongan, Pingdingshan Changmao, Yicheng Tianshu, Hebei Shengyuan etc., but also exported to Mexico, Nicaragua, Turkey, India, Pakistan, Russia, Uzbekistan, Kyrgyzstan, Egypt, Benin, Tanzania, Moldova, Nigeria, Vietnam, Korea, Cambodia, Bangladesh, Myanmar, Thailand, Malaysia, Indonesia and other countries and regions.

Zhengzhou Hongda always upholds the development concept of innovation and integrity with technology, quality and service to create maximum value for customers.

DEVELOPMENT HISTORY

发展历程

1949年

公司的前身郑纺机在共和国的礼炮声中诞生。

In 1949, the predecessor of the company, Zheng Textile Machinery, was born amidst the sound of the Republic's salute.

50年代

成为国家纺织机械产品研发基地。

In the 1950s, it became a national research and development base for textile machinery products.

60年代

开始自主研发国产新一代清梳联；

In the 1960s, we began to independently research and develop a new generation of Blowroom machinery and Blowing-carding machinery.

80年代

承担国家“八五”重点科技攻关计划《开清梳联合机的研制》；

In the 1980s, undertaken the national "Eighth Five-Year Plan" key scientific and technological research plan "Development of Blowing-carding Machinery".

1993年

与德国特吕茨勒公司开展为期10年的全面技术合作；

1993- Conducted a comprehensive technical cooperation with German company Trutzschler for a period of 10 years.

1996年

国产第1套独立成套的清梳联合机生产线在山东曹县通过中国纺织总会科技成果鉴定；

In 1996, the first domestically produced independent complete set of Blowroom machinery and Blowing-carding machinery production line passed the scientific and technological achievements appraisal of the China Textile Association in Caoxian, Shandong.

1996年

《开清梳联合机的研制》项目通过国家“八五”重点科技攻关计划项目成果验收；

In 1996, the project "Development of Blowing-carding Machinery" passed the acceptance of the achievements of the national "Eighth Five-Year Plan" key science and technology research project.

1997年

被列入“九五”国家级科技成果重点推广计划项目“开清梳联合机”技术依托单位，“开清梳联合机的研制”获国家科技进步二等奖证书；

In 1997, it was included in the "Ninth Five-Year Plan" national level key promotion plan for scientific and technological achievements as a technical support unit for the project "Blowroom machinery and Blowing-carding machinery". The development of the "Blowroom machinery and Blowing-carding machinery" was awarded the second prize certificate of the National Science and Technology Progress Award.

1999年

郑州宏大新型纺机责任有限公司挂牌成立；

1999- Zhengzhou Hongda New Textile Machinery Co., Ltd. was listed and established.

2006年

深圳高交会上，公司被认定为第13批国家级企业技术中心，也是国内纺织行业首家国家级企业技术中心；

At the 2006 China Hi-Tech Fair in Shenzhen, the company was recognized as the 13th batch of national level enterprise technology centers and also the first national level enterprise technology center in the domestic textile industry.

2013年

研发推出新一代JWF系列高效清梳联生产线；

In 2013, we developed and launched a new generation of JWF series high-efficiency blowing-carding production line.

2016年

公司的“JWF系列高效数字化清梳联合机”项目通过中国纺织工业联合会鉴定，并获中纺联科技进步二等奖；

In 2016, the company's "JWF series high-efficiency digital blowing-carding machinery" project passed the appraisal of the China Textile Industry Federation and won the second prize of the technological achievements by China Textile Union.

2018年

被中国纺织机械协会授予“中国纺织机械行业清梳联合机研发中心”；

In 2018, awarded the title of "China Textile Machinery Industry Blowing-Carding Machinery Research and Development Center" by the China Textile Machinery Association.

2019年

公司的“高精度纤维混纺自动称量机组”项目通过中国纺织工业联合会鉴定；

In 2019, the company's "high-precision fiber blending automatic weighing unit" project passed the appraisal of the China Textile Industry Federation.

2020年

“高精度纤维混纺自动称量机组”获中国纺织工业联合会科技成果优秀奖；

In 2020, the "high-precision fiber blending automatic weighing unit" won the Science and Technology Achievement Excellence Award of the China Textile Industry Federation.

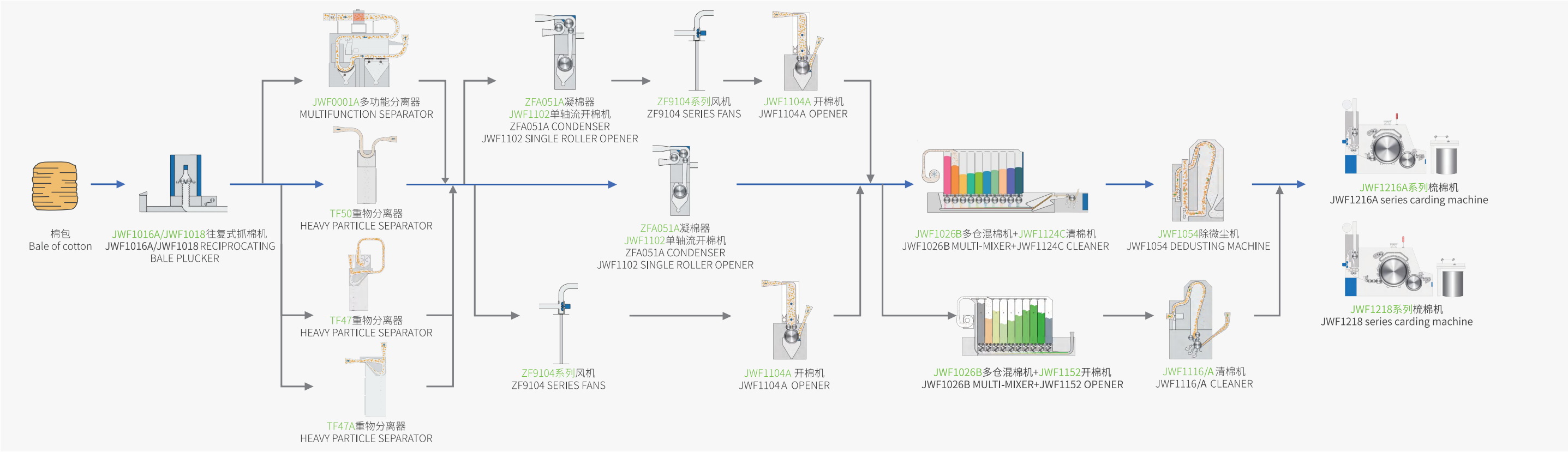
2021年

入选郑州市工程技术研究中心和重点实验室的单位名单，组建“郑州市清梳联合机工程技术研究中心”。

In 2021, it was selected as a list of units in the Zhengzhou Engineering Technology Research Center and Key Laboratory to establish the "Zhengzhou Blowing-Carding Machinery Research and Development Center".

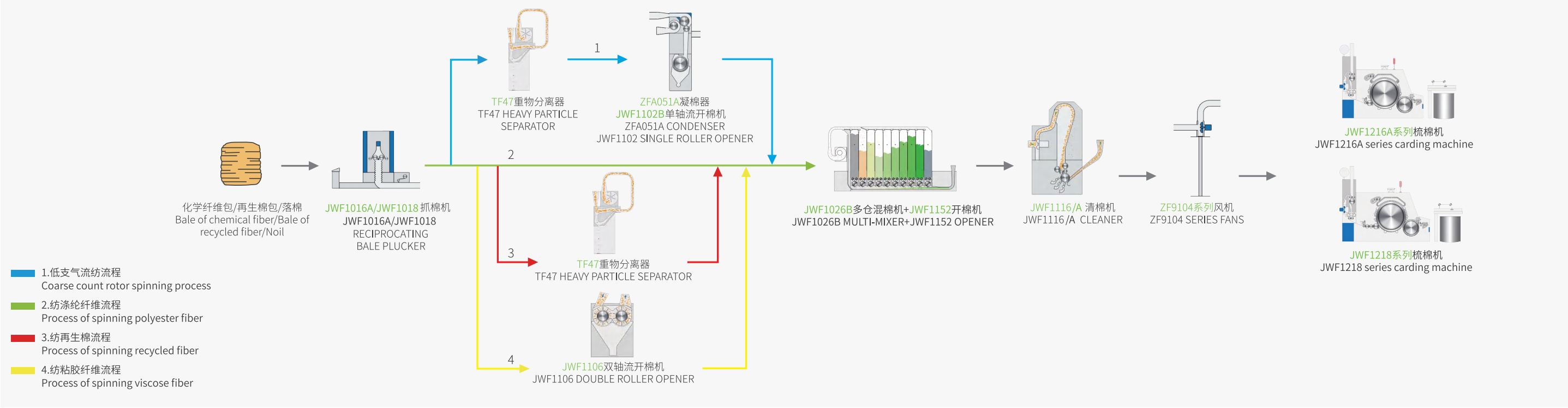
纺棉流程

SPINNING COTTON PROCESS



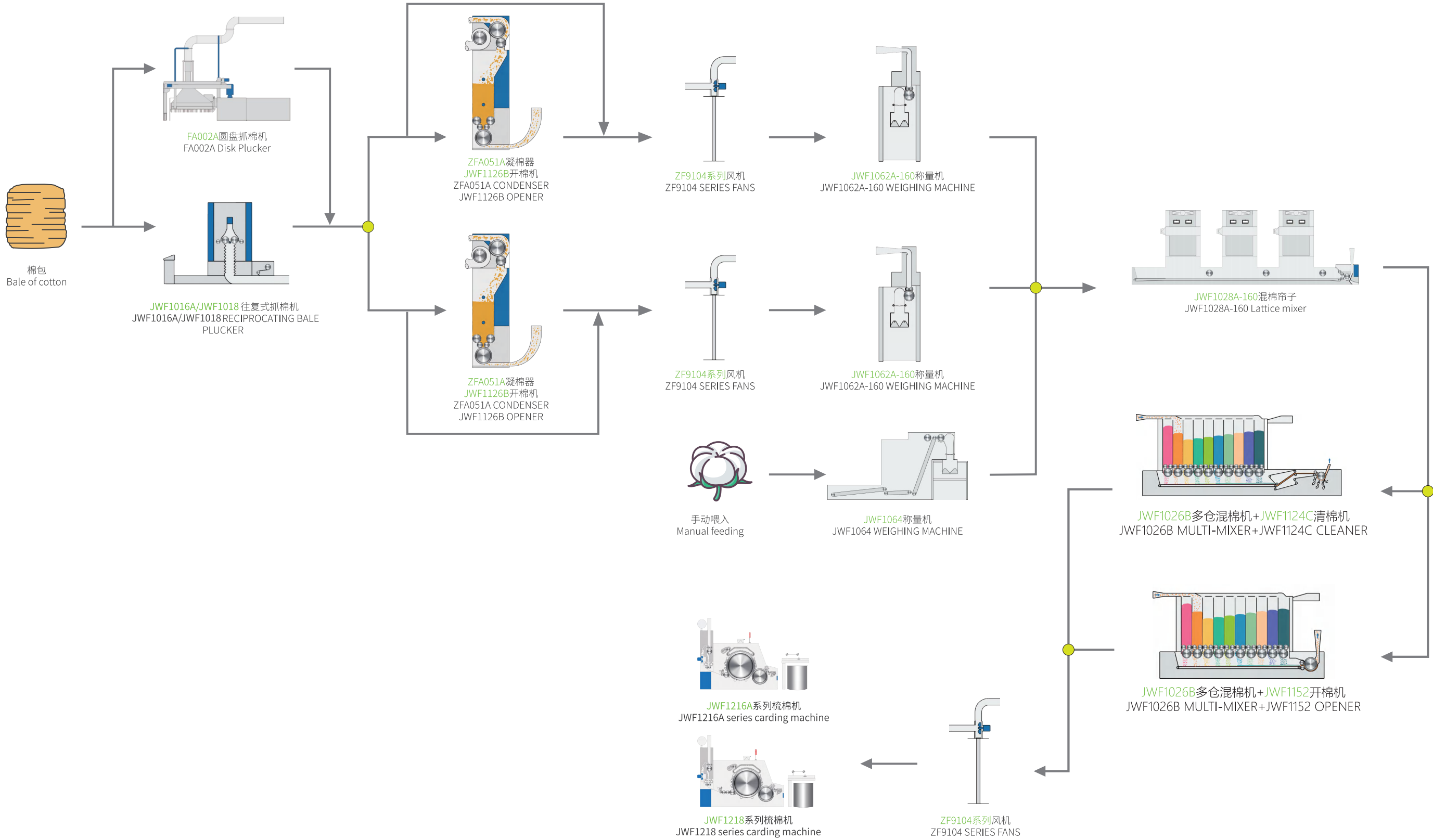
纺涤纶/粘胶/再生棉/低支气流纺流程

SPINNING POLYESTER/VISCOSE/RECYCLED FIBER/COARSE COUNT ROTOR SPINNING PROCESS

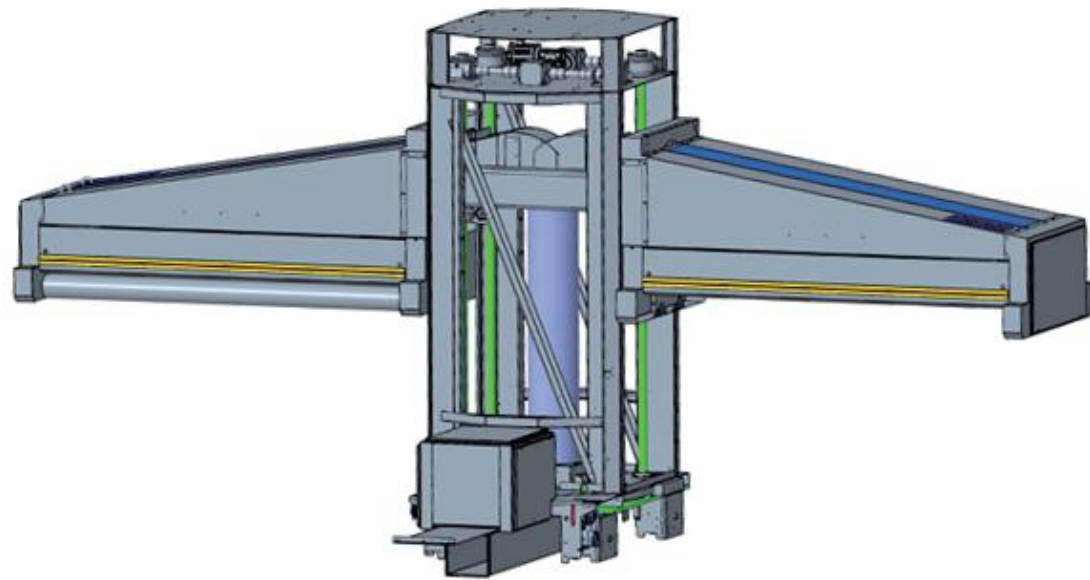


自动称量清联流程

AUTOMATIC WEIGHING BLOWING-CARDING PROCESS



JWF1016A型往复抓棉机 RECIPROCATING BALE PLUCKER



更大的抓棉宽度, 实现更精细的抓取、混合

Larger cotton working width for finer gripping and mixing

双侧抓棉宽度达到4800mm, 同时抓取更多的棉包; 抓棉臂采用丝杠升降传动系统, 升降的控制更精确, 相同产量下, 能实现对棉束更细、更小抓取的工艺需求, 实现更均匀的纤维混合。

Double side working width reaches 4800mm, while grabbing more bales; The working arm adopts a screw lifting transmission system, which provides more precise control of lifting and lowering. Under the same production, it can meet the process requirements for finer and smaller cotton bundles, and achieve more uniform fiber mixing.

更多的棉包覆盖抓取, 实现更高的产量

More cotton bales to cover and grip, achieving higher production

双侧抓棉臂同时升降、抓棉, 同一时间内可抓取更多的纤维, 配合全新设计的T型吸棉管, 相同工艺需求情况下, 产量显著提升, 最高可达3000kg/h。

The dual side working arms can lift and grab more fibers at the same time, and with the newly designed T-shaped cotton suction tube, the production can be significantly increased under the same process requirements, reaching up to 3000kg/h.

安全防护全面升级

Comprehensive upgrade of security protection

抓棉转塔上配有棉包余量显示灯带, 并可选配抓棉臂安全示宽灯和安全区域光电系统, 提升用户的使用体验, 更加便捷方便和安全。

The cotton grabbing turret is equipped with a bale remaining display light strip, and can be optionally equipped with a working arm safety width indicator light and a safety area photoelectric system to enhance the user experience, making it more convenient and safe.

JWF1018型往复抓棉机 RECIPROCATING BALE PLUCKER



JWF1018是在JWF1012型往复抓棉机的基础上, 进行一系列机械结构优化和电器配置升级的新一代往复抓棉机, 最高产量可达2000Kg/h。

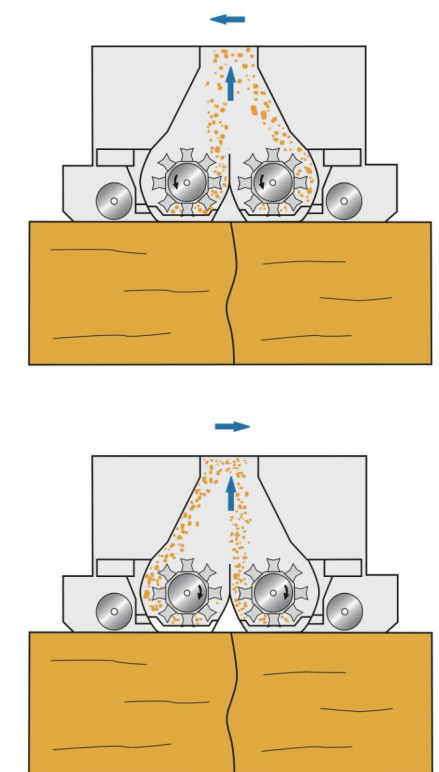
JWF1018 is a new generation reciprocating bale plucker based on JWF1012 reciprocating bale plucker, with a series of mechanical structure optimization and electrical configuration upgrade, and the maximum output can reach 2000Kg/h.

双区顺向抓棉技术

Double zone forward picking technology

采用双打手顺向抓取纤维, 纤维不易受损伤, 抓取的纤维平均重量小且离散度好。此技术已获国家专利。抓棉进棉通道始终保持双通道, 有效避免单通道棉流拥挤揉搓现象, 提高一次转移率, 减少棉结产生, 并有效降低能耗。抓棉打手采用变频控制, 使工艺调整简单方便。

Using doubles beaters to grasp fibers in a clockwise direction, the fibers are not easily damaged, and the average weight of the fibers grasped is small with good dispersion. This technology has obtained the national patent. The cotton grabbing and feeding channel always maintains dual channels, effectively avoiding the crowded kneading phenomenon of single channel cotton flow, improving the primary transfer rate, reducing neps and effectively reducing energy consumption. The plucker beater adopts frequency conversion control, making process adjustment simple and convenient.





- 相比JWF1012型往复抓棉机
COMPARED WITH JWF1012 RECIPROCATING
BALE PLUCKER.
- 排包量增加33%
BALES INCREASED BY 33%.
- 排包效率提升50%
BALE EFFICIENCY INCREASED BY 50%.

独特的双刃刀片设计

Unique double-edged blade design

抓棉打手采用双刃刀片，每两个刀片为一组，每个刀片都经过特殊处理，刀片薄且耐磨，工作时能够有效抓取且纤维损伤小，特殊设计的齿形和换向运动方式，可有效防止纤维缠绕，加之刀头经过特殊硬化处理，使用寿命是普通刀片的3~5倍。

打手刀片可以单独更换，每个刀片的外形尺寸及重量均有严格的要求，更换刀片时不会影响打手的动平衡，用户维修保养极为方便，同时意味着很少的备件和极低维护成本。

Beater adopts double-edged blades, every two pieces are a group, and each blade is specially treated, the blades are thin and wear-resistant, and can effectively grasp with little fiber damaged when working. The specially designed tooth shape and reversing motion mode can effectively prevent fiber entanglement, and after special hardening treatment for the blade head, the service life of blades is 3 to 5 times longer than that of ordinary blades.

The beater blades can be replaced individually, and each blade has strict requirements for external dimensions and weight. Changing the blade will not affect the dynamic balance of the beater. Making maintenance extremely easy for the user, while meaning few spare parts and extremely low maintenance costs.

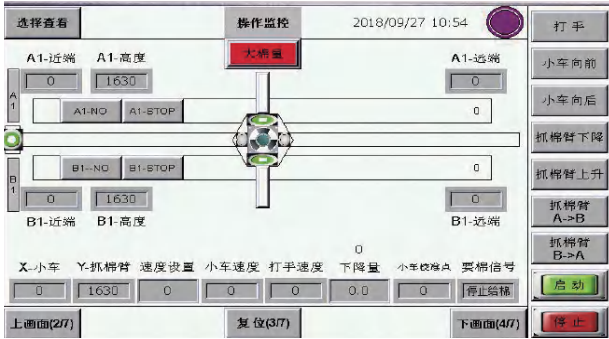
全面解决排包难题

Comprehensively solve the problem of arranging bales.

JWF1018型往复抓棉机抓棉臂的工作幅宽充分考虑棉包宽度，达到2400MM，能够抓取4个标准棉包或3个化纤包，有效提升整体生产效率。JWF1018型往复抓棉机长度最长可达50米，此时有效抓棉区域约为46米。

The working width of the JWF1018 reciprocating bale plucker detacher fully considers the width of the bale, reaching 2400mm, which can grip 4 standard bales or 3 chemical fiber bales, effectively improving the overall production efficiency.

The length of JWF1018 reciprocating bale plucker gripper can reach up to 50 meters, and the effective grabbing area is about 46 meters.



操作面板动态显示，参数设定直观方便，操作更加简便，并与集中控制柜相连。全面升级的操作系统，功能更加完善，设有抓棉机行走自动校准、大棉量抓取、抓棉机运转率监测等多种功能。电气系统采用PLC可编程控制，具有数字定位，分组抓取及分别进行抓棉量设定的功能，可进行多个品种纺织。

其他技术特点

More technical features

采用特殊设计的覆盖带，覆盖带采用恒张力卷绕控制，单独封装，密封保护好，可以有效的延长使用寿命。

打手机安装在抓棉臂外侧，采用专用打手传动皮带，使用寿命长，方便日常维护；两只抓棉打手共用一个电机驱动，采用变频调速，方便满足不同品种和产量的工艺需要，能够有效减少打手运转能耗。

具有分组抓取精确定位功能，可进行多品种纺织。

Specially designed cover belt is adopted, and the cover belt is controlled by constant tension winding, individually encapsulated and well protected by sealing, which can effectively prolong the service life.

The beater motor is installed on the outside of the detacher, with a special beater drive belt, long service life and convenient for daily maintenance. The two beaters share a motor drive and adopt by frequency inverter speed regulation, which can not only meet the technological needs of different varieties and yields, but also effectively reduce the energy consumption of beater operation.

It has the function of plucking in group and positioning in precise and can be used for multi-variety spinning.

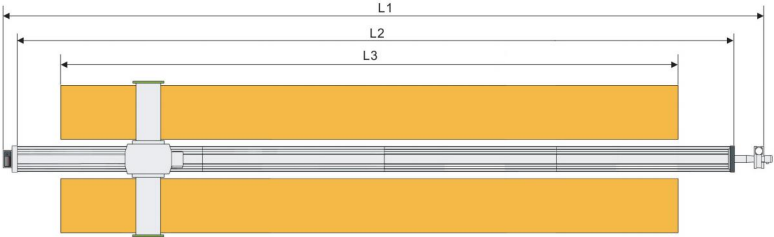
全新的操作系统

New operating system

Dynamic display of the operation panel, intuitive and convenient parameter setting, easier operation, and connected to the centralized control cabinet. The fully upgraded operating system with more functions. Equipped with a variety of functions such as automatic travelling calibration, large cotton gripping and reciprocating bale plucker running rate monitoring. The electrical system adopts PLC programmable control with the functions of digital positioning, group gripping and setting the cotton grabbing amount separately can be used for spinning multiple varieties.



外形尺寸
Overall dimensions



JWF1018A

地轨节数 Number of Tracks	7	8	9	10	11	12	13	14
排包长度L3(mm) Bale length L3(mm)	13945	16420	18895	21370	23845	26320	28795	31270
地轨长度L2(mm) Rail length L2(mm)	17325	19800	22275	24750	27225	29700	32175	34650
总长度L1(mm) Total length L1(mm)	19085	21560	24035	26510	28985	31460	33935	36410

注：每节地轨长度为2475mm，标准长度为9节地轨，可根据实际需求增减节数。
Note: The length of each track is 2475mm, and the standard length is 9 tracks. The number of tracks can be increased or decreased according to actual needs.

JWF1016A

地轨节数 Number of Tracks	3	4	5	6	7	8
排包长度L3(mm) Bale length L3(mm)	18895	26320	33745	41170	48595	56020
地轨长度L2(mm) Rail length L2(mm)	22275	29700	37125	44550	51975	59400
总长度L1(mm) Total length L1(mm)	24035	31460	38885	46310	53735	61160

注：每节地轨长度为7425mm，标准长度为4节地轨，可根据实际需求增减节数。
Note: The length of each track is 7425mm, and the standard length is 4 tracks. The number of tracks can be increased or decreased according to actual needs.

技术参数/Technical parameters

型号 TYPE	JWF1016A	JWF1018
工作幅宽(mm) Working width (mm)	4800(2400*2)	2400
最大产量(kg/h) Max production (kg/h)	3000	2000
装机功率(kW) Installed power (kW)	13.73	6.75

重物分离器 HEAVY PARTICLE SEPARATOR

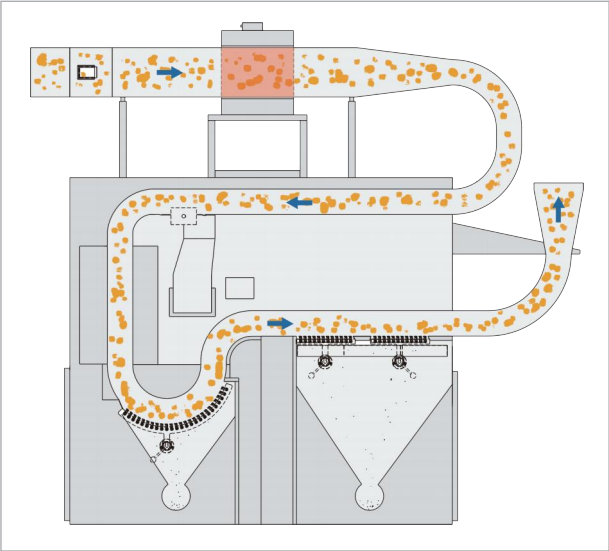
重物分离器系列产品根据不同原料和工艺需求有JWF0001A、TF47、TF47A、TF50等四种机型可供选择，全方位满足客户要求。

According to different raw materials and process requirements, there are four models of JWF0001A, TF47, TF47A and TF50 available for selection in the heavy particle separator series products, which can meet customer requirements in an all-round way.

JWF0001A 型多功能分离器
JWF0001A MULTIFUNCTION SEPARATOR

该设备集成了金属火星检测排除、气流平衡、重物除杂、微尘分离等功能，该设备结构已获国家发明专利。

The equipment integrates the functions of metal spark detection and exclusion, airflow balance, heavy debris removal and micro-dust separation, etc. The structure of this equipment has been awarded the national invention patent.



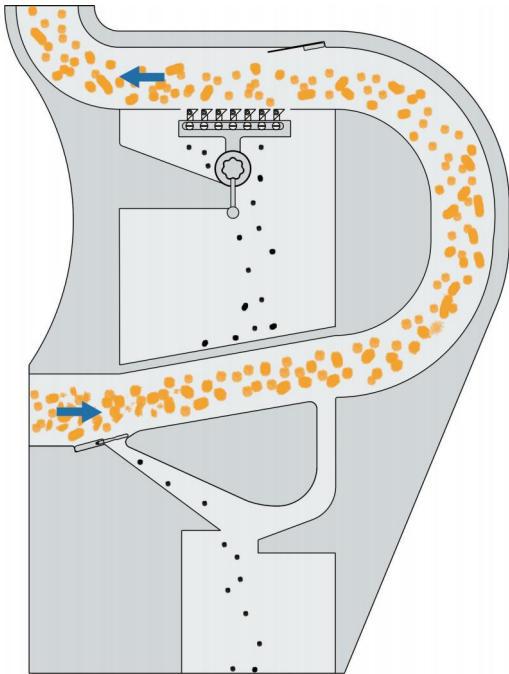
技术特点/Technical Features

- 优化的送棉通道不仅能保证火星、金属检测分离功能正常实现，还可以有效缩短和抓棉机之间的管道距离，减少整套清梳联的占地面积。
The optimized feeding channel can not only ensure the normal realization of the spark and metal detection separation function, but also effectively shorten the distance between the pipe and the bale plucker and reduce the floor space of the complete cleaning and combing unit.
- 竖直设计的气流平衡分离结构，分离气流大小可调，解决了清梳联流程中因前后机台风量不匹配造成的系统故障，有效提高了清梳联系统运行的稳定性。
They adopt airflow balance separation structure in vertical design,and separation airflow size can be adjustable. Airflow balance separation structure solved the system fault caused by the air volume unmatched with that of front and rear unit in blowing-carding line, and effectively improved the working stability in blowing carding system.
- 两组杂质分离的结构设计，重物、杂质、微尘分离效果好。第一重物、杂质分离区采用U形分离结构，主要去除原料中较大的重物、杂质，如石子、木屑、棉籽壳等；第二微尘、杂质分离区，利用原料气力输送过程中的跳跃式运动理论。通过输送过程中与三角形尘棒的撞击、弹性去除原料中的细小杂质，如纤维籽屑、碎棉叶等。
These machines adopt the structural design of two groups of impurity separation thus heavy parts, impurities and fine dust are separated in good effect. The first heavy part and impurity separation area adopts the U-type separation structure mainly remove the larger heavy parts and impurities in raw materials, such as stones, sawdust, cottonseed shell; the second dust and impurity separation area adopts jumping motion theory in the process of pneumatic conveying materials through impact and frictional elastic with triangle grid bars to remove fine impurities in raw materials, such as fiber or cotton leaf and seed coat fragments.
- 采用连续吸杂排尘系统，减轻工作维护强度。
Adopt continuous suction and dust discharge system to reduce work maintenance intensity.

更精细的抓取、混合/
技术参数/Technical parameters

金属检测 Metal detection	全金属检测 All metal detection
火星检测 Spark detection	检测直径>0.5mm火星 Detection diameter > 0.5mm Spark
检测响应时间 (s) Detection response time	<0.2
气动元件工作压力 (Mpa) Working pressure of Pneumatic element(Mpa)	0.6-0.8
设备最大产量 (KG/h) Max production(kg/h)	1500
设备进棉方式 Feed mode	前方风机气力输送 From the front fan pneumatic conveying
设备重量 (KG) Weight (net weight)(kg)	1200
外形尺寸 (含管道) (mm) Dimensions (including pipeline)(mm)	2776*1538*3535

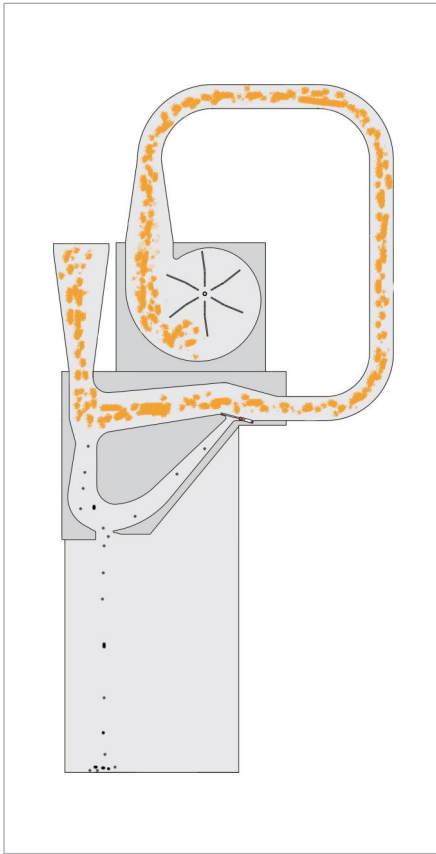
TF55 型多功能分离器
TF55 MULTIFUNCTION SEPARATOR



安装在往复式抓棉机输棉风机出口，集成了气流除杂和尘棒除杂2种结构，体积小，占地面积小。

Integrated with two structures of airflow and dust rod for impurity removal, it occupies a small area and is installed at the outlet of the carding fan of the reciprocating bale plucker.

TF47 型重物分离器
TF47 HEAVY PARTICLE SEPARATOR



TF47型重物分离器由风机部件、重物分离部件两部分组成，该机具有原料输送、重物大杂排除等功能，适用于化纤、气流纺及再生棉的新型清梳联流程。

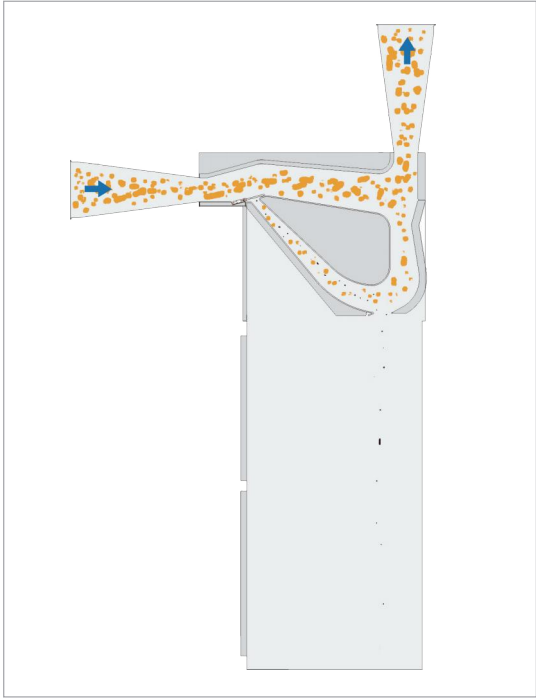
采用新型ZF9104-500风机，风机转速变频调节，适应范围广；重物分离部件利用空气动力学原理将原料与重物、杂质分离，对重物、大杂的分离效果好，不损伤纤维。

TF47 type heavy particle separator is composed of two parts: fan part and heavy particle separating part. The machine has the functions of raw material conveying, heavy material and big miscellaneous exclusion, etc. It is suitable for the new type of blowing-carding machinery process of chemical fiber, rotor spinning and regenerated cotton.

Adopt new type ZF9104-500 fan, fan speed frequency adjustment, adapt to a wide range; heavy particle separation parts use the principle of aerodynamics to separate raw materials from heavy particle and impurities, the separation effect of heavy particle and large debris is good, without damaging the fiber.

The linkage is flexible and free, it can be connected with opener or directly with the multi-mixer.

TF47A 型重物分离器
TF47A HEAVY PARTICLE SEPARATOR



结构简单，无传动部件，维护方便。利用空气动力学原理将原棉中的重物、杂质与纤维分离，有纤维回收通道，避免出现落白现象。

落杂量可根据原棉含杂情况方便的调节，采用了大落箱结构设计，延长落杂的清洁周期。

Simple structure, no transmission parts, easy maintenance. Using the principle of aerodynamics to separate the heavy particle and impurities in the raw cotton from the fiber, there is a fiber recovery channel to avoid the phenomenon of falling white.

The amount of falling impurities can be easily adjusted according to the original cotton containing impurities, and the large falling chamber structure design is adopted to extend the cleaning cycle of falling impurities.

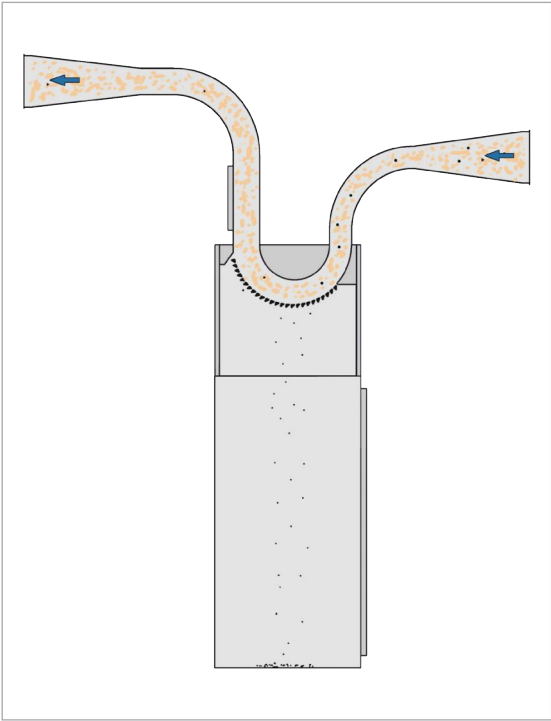
TF50 型重物分离器
TF50HEAVY PARTICLE SEPARATOR

结构简单,无动力装置,无高速转动部件。采用U型结构,共有25根三角形结构分离尘棒,气流排杂,对纤维损伤小,杂质分离能力强。

重物分离装置采用尘格结构,尘棒角度及隔距可通过机外手柄在线、量化调节,调节简单方便。大落杂箱的结构,延长清洁周期。

Simple structure, no power device, no high-speed rotating parts. U-shaped structure, a total of 25 triangular structure separating dust rods, airflow discharge, small damage to the fiber, strong impurity separation capacity.

The dust lattice structure is used for the heavy particle separation device, and the angle and separation distance of the dust bar can be adjusted online and quantitatively by the handle outside the machine, which is simple and convenient to adjust. The structure of large drop chamber extends the cleaning cycle.



开棉机 Opener

根据不同的原料和工艺需求有JWF1102/JWF1102B型单轴流开棉机、JWF1106型双轴流开棉机、JWF1104A型高效开棉机等四种型式开棉机可选,全方位满足客户要求。

According to different raw materials and process requirements, there are four types of openers such asJWF1102/JWF1102B single-roller opener, JWF1106 double-roller opener and JWF1104A high-efficiency opener to meet the diversified requirements of customers.



开棉机均采用中间吸落棉专利技术,可节约滤尘能耗20%以上。

The openers all adopt the patented technology of intermediate absorbent cotton, which can effectively eliminate the impurities and save more than 20 % of the energy consumption of filter dust.

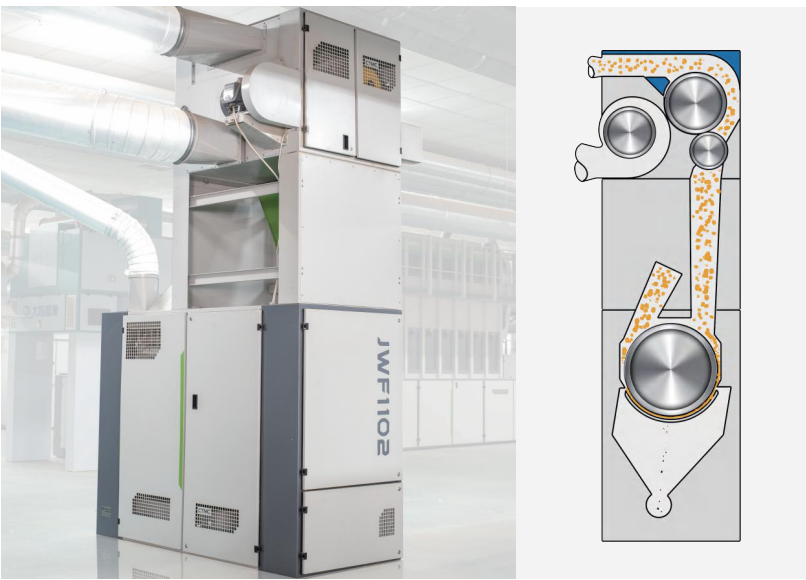
JWF1102 单轴流开棉机
JWF1102 SINGLE-ROLL OPENER

喂棉方式采取与凝棉器直接相连的方式,原料喂入不但稳定,而且有效减小了设备的占地面积。

进棉斗前后两侧安装对射式光电装置,不但能够有效在线控制原料喂入,而且能够适纺色棉,工艺适应范围广。

The JWF1102 cotton feeding method is directly connected with condenser for not only stably feeding materials but also effectively reducing floor area.

At both sides of front or back of inlet hopper is fixed correlation-style photoelectric device which can not only effectively control online feeding materials but also can be suitable for spinning color cotton and enlarge technology range.



JWF1102B 型单轴流开棉机
JWF1102B SINGLE-ROLL OPENER



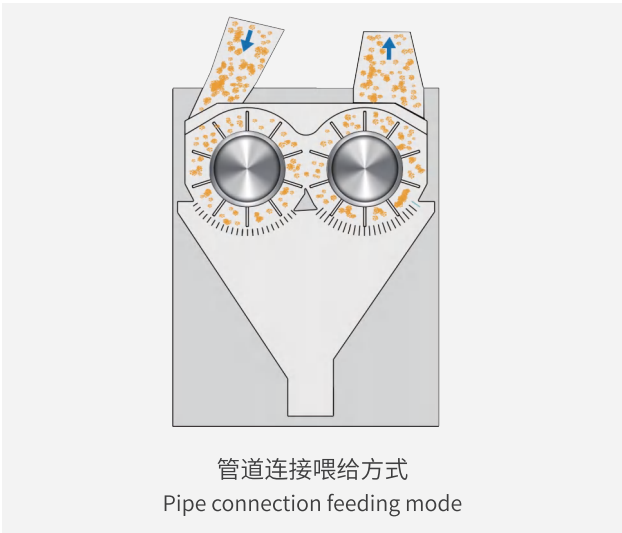
采用ZF9104系列风机和气压扩散箱代替凝棉器,稳定性强;采用加密的棒形角钉打手,更适用于高产流程。

The ZF9104 series fan and air pressure diffusion box are used instead of the cotton condenser, which has strong stability.;The encrypted rod-shaped corner nail beater is also used, making it more suitable for high-yield processes.

技术特点/Technical Features

- JWF1102打手采用复合打手, 此项技术获国家发明专利。
The JWF1102 Beater adopts compound beater, this technology has obtained the national invention patent.
- 打手直径进口大、出口小, 进棉口一侧为V形角钉, V形角钉具有良好的弹性, 对纤维击打柔和, 对纤维损伤小, 能够有效降低棉结、短绒的增长率; 出口一侧为矩形刀片, 矩形刀片刚性好, 不易弯曲断裂, 有利于高质高产, 提高设备运行安全性能。
The beater diameter with big inlet and small outlet, at inlet side mounted V-type spikes, the V-type spikes with good flexibility for beating fibers and less fibers damage can effectively reduce the rate of increase of neps and short fiber. The outlet side mounted rectangular blades, rectangular blades with good rigidity, not easy to bend and break, conducive to high quality and high production, improve the safety performance of equipment operation.
- 配合间距渐进的导流槽结构设计, 适应了原料在开松行进过程中体积不断膨胀的情况, 有利于开松除杂, 并能够降低棉结增长率。
With the design of gradual spacing guide slot structure, it can adapt to the volume expansion when raw materials in the process of opening, which is not only conducive to the opening and removal of debris, but also can reduce the growth rate of neps.

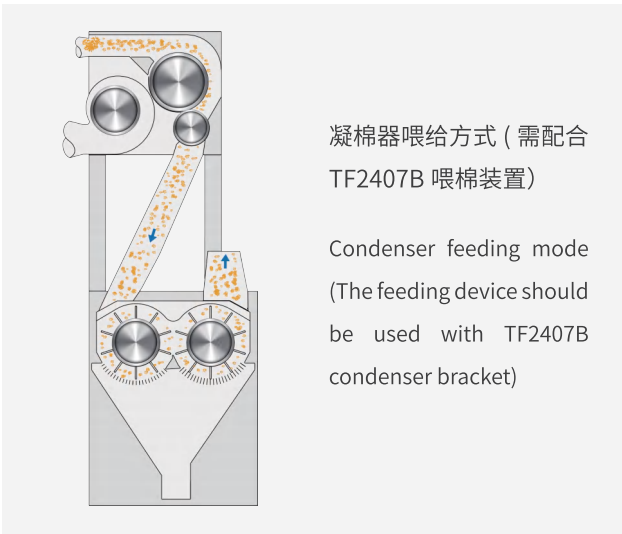
JWF1106 型双轴流开棉机 JWF1106 DOUBLE ROLLER OPENER



该机型根据流程配置及工艺要求可选择管道连接喂给或凝棉器喂给两种喂棉

According to the process configuration and process requirements, there are two options feeding modes: pipe connection feeding or Condenser feeding.

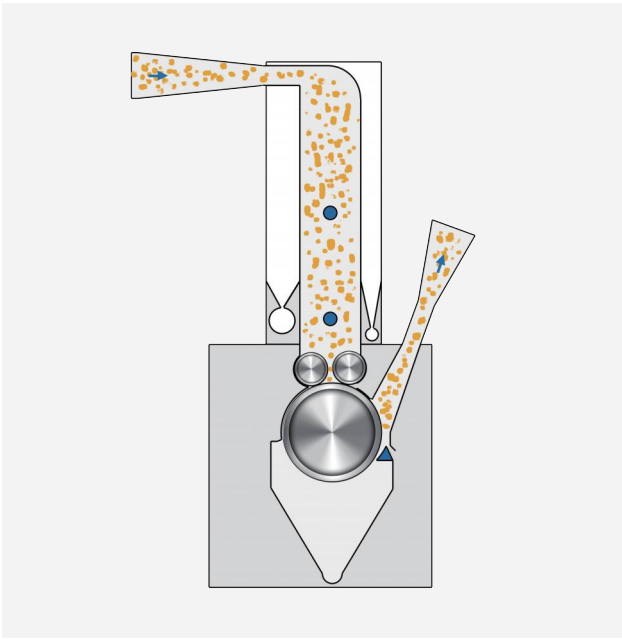
技术特点/Technical Features



双角钉辊筒打手采用变频控制, 对原料纤维进行自由打击, 最大程度降低纤维损伤。辊筒角钉密度大, 转速可以根据工艺要求变频调节, 配合其上方的导流槽, 能有效提高开松、除杂效率。

The double-spiked roller beater is controlled by frequency inverter to strike the raw material fiber freely and minimize fiber damage. The rollers have high density of spikes, and the speed can be adjusted by frequency inverter according to the process requirements, which can effectively improve the opening and removing efficiency with the guide slot above it.

JWF1104A 系列高效开棉机 JWF1104A SERIES HIGH-EFFICIENCY OPENER



该机型专门针对机采棉中细杂、叶屑较多且难以去除的特点而开发,采用储棉箱气流输入方式,由罗拉将棉流沿整个机幅宽度范围平铺喂入大直径打手室,有效减小单位宽度棉层厚度,使得原本不易去除的细小杂质充分暴露,配合轴流开棉机使用,能显著提高杂质去除率,并且可以达到棉结零增长。

This model is specially developed for the machine picking cotton in the fine impurities, more leaf debris and difficult to remove the characteristics, use storage box air input, the roller will be fed into the large diameter beater chamber along the entire width of the cotton flow flat, effectively reducing the thickness of the unit width of the cotton layer, making the original not easy to remove the fine impurities fully exposed,Combined with the roller opener, it can not only significantly improve the impurity removal rate, but also achieve zero neps growth.

技术特点/Technical Features

- 采用气压棉箱,配合风机直接输送喂棉,机幅宽,产量高。
Adopt pneumatic hopper fan directly feeding cotton with wide working width and high output.
- 气压棉箱采用巧妙的双层设计,能够有效去除原料中的短纤和微尘。
The pneumatic hopper has a clever double layer design, which can effectively remove the staple fiber and fine dust in the raw material.
- 给棉罗拉采用变频控制,能够根据前方机台给出的要棉信号,实现在线控制,控制精确,运转稳定,极大地提高了产品质量指标。
The feed roller is controlled by frequency inverter, which can realize online control according to the signal given by the front machine, with precise control and stable operation, which greatly improve the product quality index.

技术参数/Technical parameters

机型 Type	JWF1102	JWF1102B	JWF1106	JWF1104A-160	JWF1104A
工作幅宽(mm) Working width (mm)	1600	1600	1300	1600	2000
最大产量(Kg/h) Max Production (Kg/h)	1500	2000	1500	1600	1800
打手型式 Beater type	复合打手 Compound beater	角钉辊筒 spiked roll	双角钉辊筒 Double-spiked roll	V型角钉 V-type spiked	
装机功率(kW) Installed power(kW)	11(不含凝棉器) (Without Condenser)	18.5(含风机) (With Fan)	7.5	11.5	
全机净重(Kg) Net weight (Kg)	2000	2500	2000	2300	2700
外形尺寸(长x宽x高) (mm) Overall dimensions(L X W X H) (mm)	2275x1164x3995 (含凝棉器)	2420×1164×3684	1844x1464x1905 (不含凝棉器) (Without Condenser)	2304x1764x4023 (不含管道) (Without pipeline)	2704x1764x4023 (不含管道) (Without pipeline)

ZFA051A 系列凝棉器
ZFA051A SERIES CONDENSER

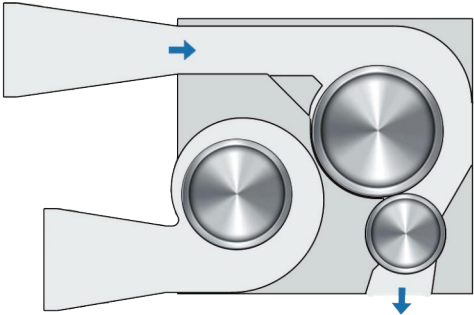


原料纤维凭借风机的抽吸,凝聚在尘笼表面,被打手剥取落入下部设备,部分短绒和尘杂则进入尘笼内部,被送至滤尘机组。

With the suction of the fan, the raw material fibers coalesce on the surface of the dust cage and be stripped by the beater and fall into the lower equipment, while part of the short lint and dust debris entered inside the dust cage and be sent to the dust filter unit.

技术特点
Technical Features

- 尘笼采用彩色钝化钢板无毛刺冲压制成,表面光洁。
The dust cage is stamped by colorful passivated steel plate without burr ,with a bright and clean surface.
- 采用双进风尘笼结构,凝棉均匀。
Adopt double air inlet dust cage structure, condensing cotton evenly.
- 尘笼密封采用径向周围密封和端面密封的双密封结构,密封效果好,安全可靠。
The dust cage seal adopts the double sealing structure of radial peripheral seal and end seal, which has good sealing effect, safe and reliable.
- 根据所配风机电机功率和工作幅宽有多种形式选择。
There are various forms to choose from according to the power of the matched fan motor and the working width.



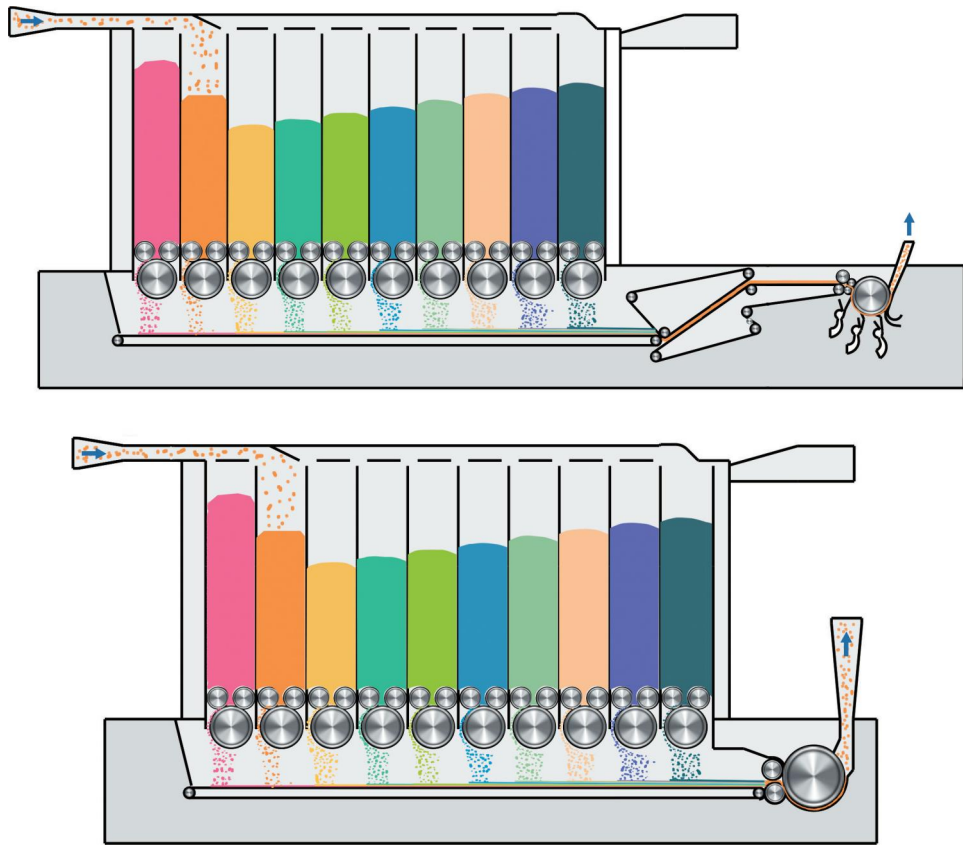
凝棉器技术参数
Condenser Technical parameters

机型 Type	ZFA051A (5.5)	ZFA051A (7.5)	ZFA051A-120 (5.5)
机幅 Working width (mm)	1000	1000	1200
装机功率 Installed power(Kw)	6.25	9	6.25
全机净重 Net weight (Kg)	600	600	650

混棉机 Mixer

JWF1026B 系列多仓混棉机

JWF1026B SERIES MULTI-MIXER



先进的混合原理 /Advanced mixing principle

采用“逐仓喂入，同时输出”的混棉原理，多个时间段喂入的原料同时输出，延长混合时长，达到优异的混合效果。仓内采用大直径梳针打手，把纤维损伤降到最低，并可以防止纤维缠绕。

Adopting the mixing principle of "feeding one by one and simultaneous output", the raw materials fed in multiple time periods can be output at the same time to extend the mixing time and achieve excellent mixing effect. A large diameter comb beater is used in the chamber to minimize fiber damage and prevent fiber entanglement.

稳定的输出棉层 /Stable output cotton layer

各仓输出的纤维铺放在下部的混棉帘子上输出，使输出棉层一直处于稳定状态；可以与JWF1124C、JWF1128或JWF1152清棉机直联，纤维损伤更小，混棉效果更稳定，并有效减少占地面积。

The output fiber of each chamber is laid on the mixing conveyor belt, so that the output cotton layer is always in a stable state and can be directly connected to JWF1124C、JWF1128 or JWF1152 cleaner, less fiber damage, more stable mixing, and less footprint.

完美适应各种混棉工作 /Perfectly adaptable to various cotton blending jobs

棉仓采用模块化设计，有4仓、6仓、8仓、10仓、12仓和多种工作幅宽可供选择，适应不同混棉场景需求。

The cotton bin adopts a modular design, with 4, 6, 8, 10, 12 bins and multiple working widths to choose from, adapting to different cotton blending scenarios.

安全的防火系统 /Safe fire prevention system

多仓混棉机是清梳联流程中最容易发生火情的设备，JWF1026B预留安普火盾防火系统的安装位置，用户可根据需要选配安装。

The multi bin cotton mixer is the equipment most prone to fire in the blowing-carding process. JWF1026B reserves an installation position for the AMP fire shield fire prevention system and users can choose to install it according to their needs.

技术参数 /Technical parameters

机型 Type	JWF1026B		
工作幅宽(mm) Working width(mm)	1200	1600	2000
仓数 Number of chambers	4/6/8/10/12		
最高产量(Kg/h) Max production(Kg/h)	视后续设备产量而定 Depending on suitable to rear equipments		
单仓最大容棉量(Kg) Max. weight of one chamber(Kg)	38	51	64
装机功率(kW) Installed power(kW)	10.1		
全机净重(Kg) Net weight(Kg)	5000	6100	7200
外形尺寸 (长x宽x高)(mm) Overall dimensions (L X W X H)(mm)	6050x2430x4000	6050x2830x4000	8050x3030x4000

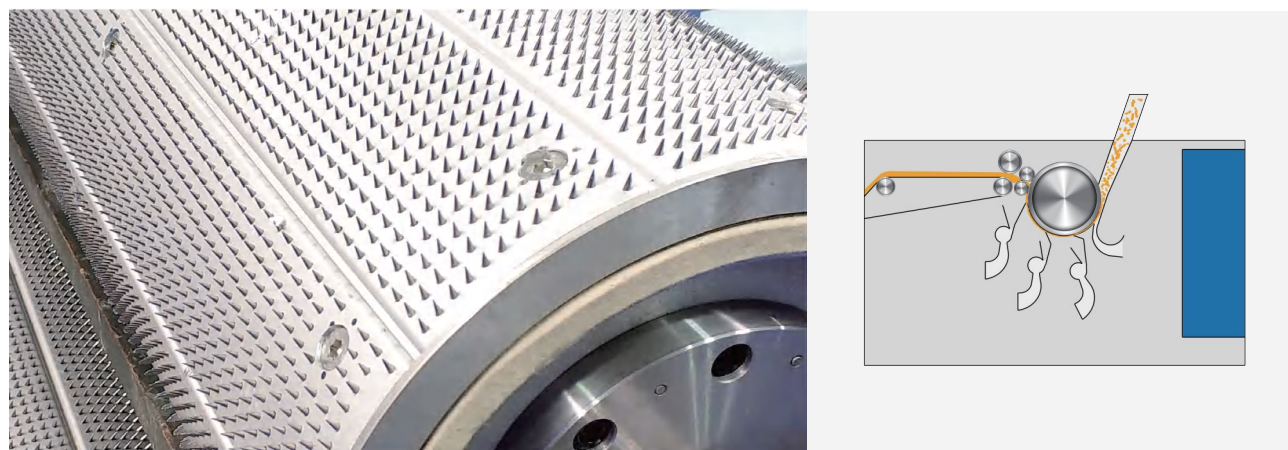
Zhengzhou Hongda has three types of Cleaner to choose from: JWF1124C series single-roller cleaner, JWF1128 three-roller cleaner, and JWF1116 cleaner.

- 流程配置灵活:JWF1124C、JWF1128清棉机既可以与JWF1026多仓混棉机直联使用,也可以配合ZFA051A凝棉器和JWF1134喂棉机组合单独使用。JWF1116可以单独使用。

- 三种清棉机均采用中间吸落棉专利技术,有效提高除杂效率,避免吸落棉管道堵塞,能够降低吸落棉滤尘能耗20%以上。
The three kinds of cleaners all adopt the patented technology of intermediate suction and fall cotton, which can effectively improve the efficiency of impurities removal, avoid blocking suction, and can reduce the energy consumption of suction and fall cotton filter dust more than 20%.

The feeding roller and beater of the cleaner are individually controlled by frequency inverter, which makes the process adjustment flexible and convenient.

JWF1124C SERIES SINGLE ROLLER CLEANER



- 机幅有1200mm、1600mm、1800mm三种规格可供选择。

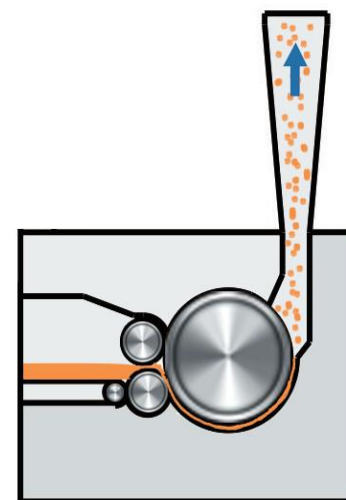
There are three working width 1200mm,1600 and 1800mm can be available for choice.
- 采用大直径梳针打手,配合三把除尘刀、两只分梳板、两只调节板、三个吸风口,具有很好地开松、除杂效果。

Adopting large diameter comb beater,working with three mote-knives,two carding segments, two adjusting plates and three suction hoods, achieving the effect of opening and removing.
- 第一落杂区长度可以调节,方便客户根据不同原料品种的工艺需要调节落棉量和除杂效率。

The length of the first drop zone can be adjusted, which is convenient for customers to adjust the amount of waste quantity and impurities removal efficiency according to the process needs of different raw materials and varieties.
- 梳针打手采用铝针板形式,质量轻,运转平稳,同时采用变频调速,最高转速可达1000r/min。

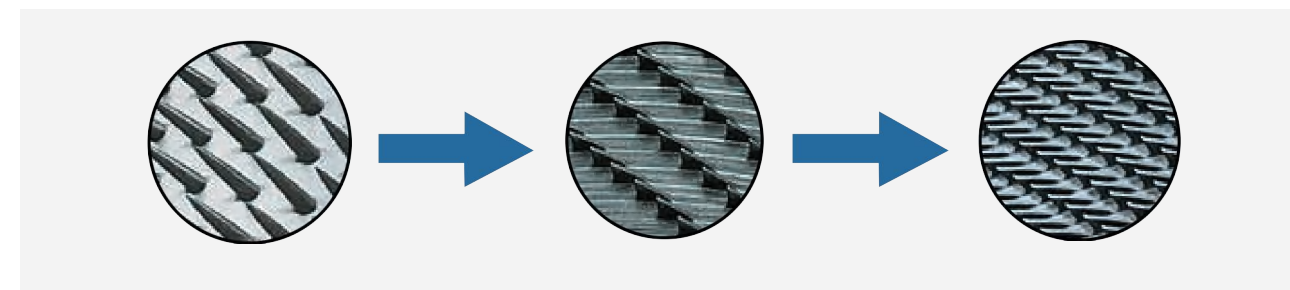
The comb beater adopts the form of aluminum needle plate, with light quality and smooth running, and also adopts frequency inverter speed regulation, the highest speed can reach 1000r/min.

JWF1152 SERIES SINGLE ROLLER CLEANER



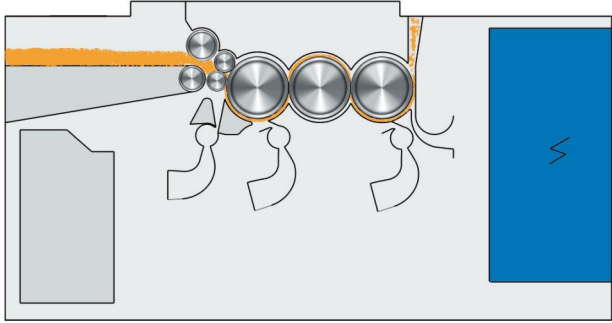
Adopting ϕ 600mm diamer aluminum beaters, which is not easily damaged fibers and processed long fibers are not easy to wind. 20 dust bars are standard around the beater, providing stronger impurity removal capabilities.

JWF1128 THREE ROLLER CLEANER



技术特点
Technical Features

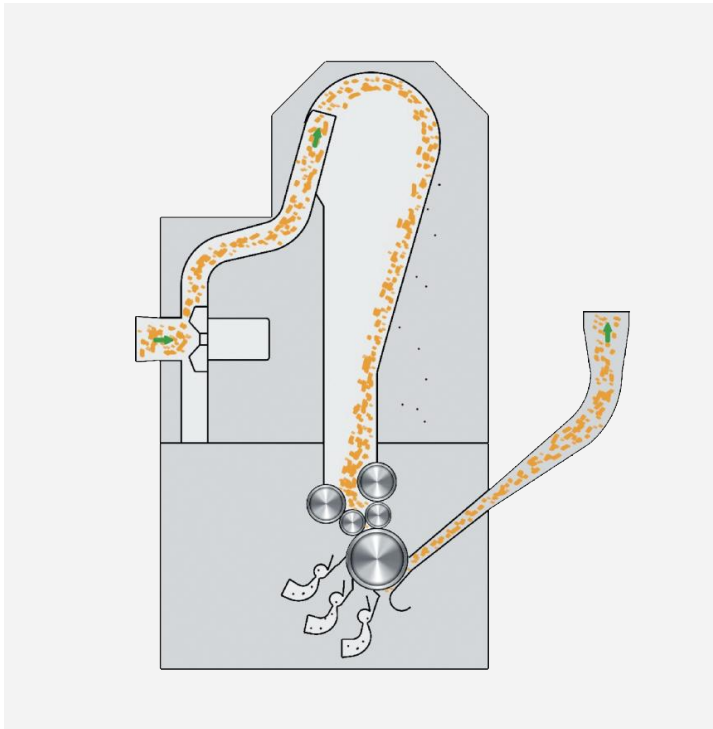
- 采用三个辊筒打手，打手形式可根据生产及工艺需要灵活配置，满足客户个性化需求；
Three roller beaters are used,the form of beaters can be flexibly configured according to production and process need to meet the individual requirements of customers;
- 三个打手均采用变频传动单独控制。
all three beaters are individually controlled by frequency inverter.
- 三个辊筒打手依次为角钉、粗锯齿、细锯齿三种型式(标配)，渐进开松，高效除杂。
Three roller beaters in turn for spiked, coarse saw-toothed , fine saw-toothed three types (standard), progressive opening and loosening, efficient impurity removal.



技术特点
Technical Features

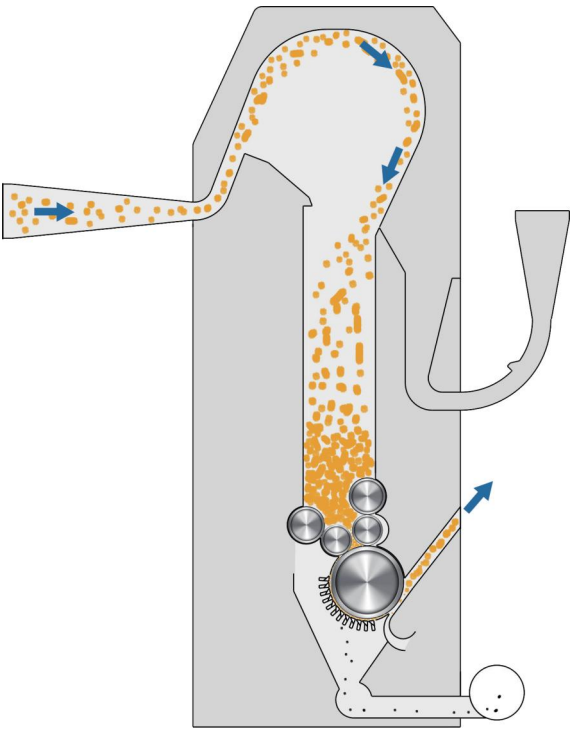
- 适纺范围广，适用于纺涤纶、再生棉及纯棉的清梳联流程；
Wide range of spinning suitability, suitable for spinning polyester, recycled cotton and pure cotton in the blowing-carding process.
- 原料采用风机输入、风机输出，上部的网眼板可以去除原料中的短绒和微尘；
The raw materials adopt fan input and fan output,the upper mesh plate can remove the flocks and tiny dust from the raw material.
- 底部采用大直径梳针打手和三组分梳板+除尘刀配合使用，使除杂效率提高，纤维损伤较小。
The bottom part adopts large diameter comb beater and three-component carding plates + mote-knives to cooperate, which makes the efficiency of debris removal increase and fiber damage less.

JWF1116 型清棉机
JWF1116 CLEANER



JWF1116A 型清棉机
JWF1116A CLEANER

- JWF1116A的梳针打手周围标配2组尘棒，并可以根据所放工艺需要，更换为1或2组托持板。
- The JWF1116A comes standard with 2 sets of dust bars around the kirschner beater, and can be replaced with 1 or 2 sets of support plates according to the process requirements.



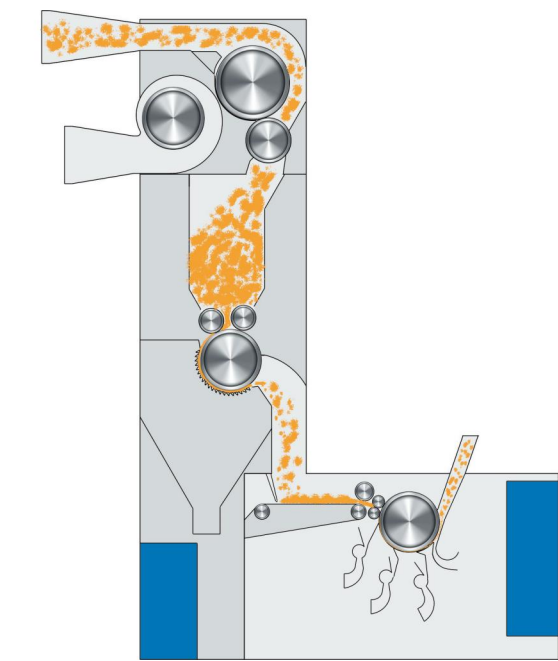
技术参数/Technical Parameters

机型 Type	JWF1124C			JWF1128	JWF1116	JWF1116A
工作幅宽(mm) Working width(mm)	1200	1600	2000	1600	1600	
最高产量(Kg/h) Max production(Kg/h)	800	1200	1600	1200	1800	
打手型式 Beater type	梳针打手 Comb beater			角钉-粗锯齿- 细锯齿	梳针/锯齿打手 Comb/Saw-toothed beater	
				Brad、Coarse saw-toothed、 Fine saw-t oothed		
装机功率(kW) Installed power(kW)	6.6			12.2	12.1	6.6
全机净重(Kg) Net weight(Kg)	1800	2000	2250	2650	3500	2500
外形尺寸(长x宽x高)(mm) Overall dimensions (L X W X H)(mm)	2080x1864 x1310	2080x2264 x1310	2080x2464 x1310	2455x2264 x1310	2182x2264 x4000	1512×2264 ×4000

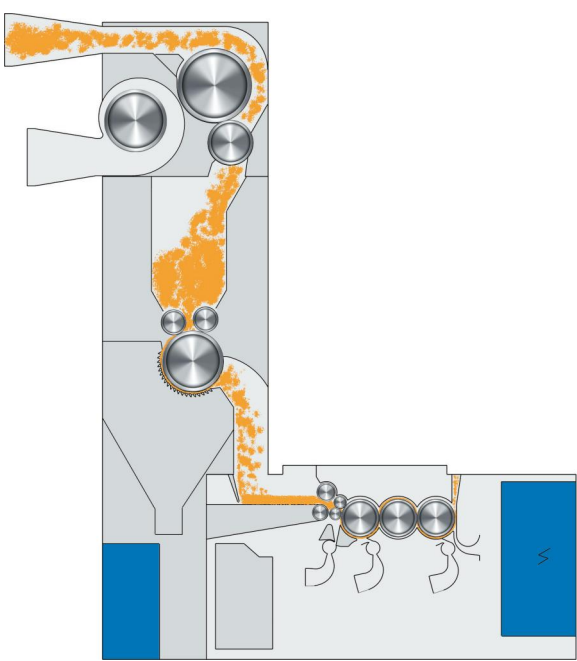
JWF1134 系列喂棉机
JWF1134 SERIES FEEDER

技术特点/Technical Features

- 上下棉箱均有光电装置，控制棉箱储棉量。
Upper and lower hoppers are equipped with photoelectric devices to control the amount of cotton stock in the hoppers.
- 给棉罗拉速度与前方棉箱连锁，供棉更稳定连续。
The speed of the feed roller is interlocked with the front hopper, which makes the feeding more stable and continuous.
- 三角尘棒可以机外调节，方便达到满意的落杂效果。
The triangle grid bar can be adjusted outside the machine, which is convenient to achieve a satisfactory effect of falling waste.



- ZFA051A凝棉器配合JWF1134喂棉机配合JWF1124C单辊筒清棉机连接使用。
ZFA051A condenser with JWF1134 feeder connected with JWF1124C single roller cleaner.



- ZFA051A凝棉器配合JWF1134喂棉机配合JWF1128三辊筒清棉机连接使用。
ZFA051A condenser with JWF1134 feeder connected with JWF1128 three roller cleaner.

技术参数
Technical parameters

机型 Type	JWF1134-120	JWF1134-160
工作幅宽(mm) Working width(mm)	1200	1600
最高产量(Kg/h) Max production(Kg/h)	800	1000
打手型式 Beater type	角钉 spike	
装机功率(kW) Installed power(kW)	4.45	
全机净重(Kg) Net weight(Kg)	1500	2000
外形尺寸(长x宽x高)(mm) Overall dimensions (LxWxH)(mm)	1864x1140x3230	2264x1420x3230

JWF1054 型除微尘机

JWF1054 DEDUSTING MACHINE

本机可用于环锭纺、气流纺,尤其适用于气流纺、喷气纺中的高产清梳联流程。

This machine is suitable for ring spinning and open end spinning especially for high production blowing carding process in open-end spinning or jet spinning.



技术特点

Technical Features

- 滤网网眼板较传统除微尘机增加40%, 去除短绒、微尘的能力得到加强。
Compared with the traditional DEDUSTING MACHINE, the mesh plate of the filter screen is increased by 40%,and enhanced ability to removing flocks and tiny dust.
- 纤维分配器向斜上方分配纤维, 沿圆弧曲线向下滑移, 纤维运动更加流畅, 产量更大。
Fiber distributor distributes fiber towards inclined upside and slides downwards along arc curve line with more fluent fiber movement and larger production.
- 进棉风机、出棉风机均采用变频直联风机, 风机叶轮与电机直联, 带来更高的效率与更低的能耗。
Inlet fan and outlet fan are all directly connected with inverter.The fan impeller and motor is connected directly bringing higher efficiency and lower energy consumption.
- 加宽纤维分配器的入口, 纤维分配区域更加均匀。
The inlet of fiber distributor is widened to make more even fiber distributing area.
- 纤维收集口处增加补风口, 避免棉纤维在收集口处拥堵。
The compensation inlet is added at fiber collecting port to avoid blockage.



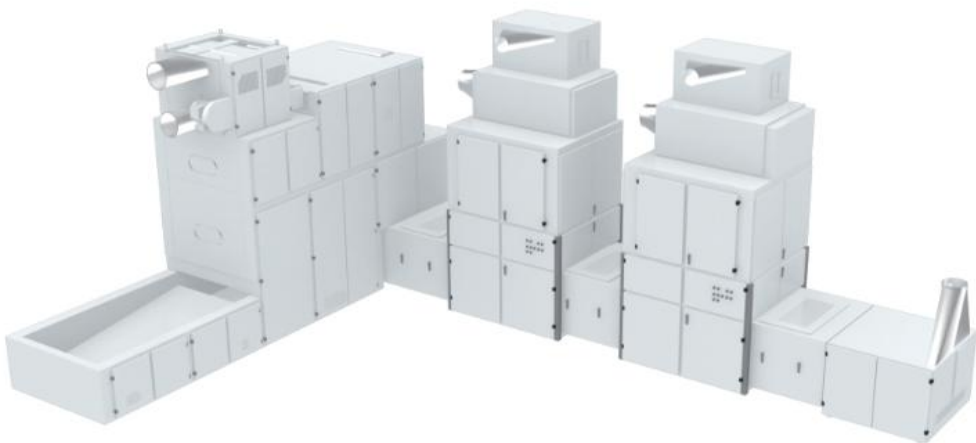
技术参数

Technical parameters

机型 Type	JWF1054-5.5	JWF1054
工作幅宽(mm) Working width(mm)	1600	
最高产量(Kg/h) Max production(Kg/h)	1000	1250
过滤网总面积(m2) Filter screen gross area (m2)	3.7	
装机功率(kW) Installed power(kW)	11	15
全机净重(Kg) Net weight(Kg)	2100	2200
外形尺寸(长x宽x高)(mm) Overall dimensions (L X W X H)(mm)	2182x1824x3440	

>>> 高精度纤维混纺称量混棉机组

High-precision fiber blengding weighing cotton mixing unit



该机组由开棉机(凝棉器)、风机、配棉称量机、帘子混棉机组成，一般配备2到6台配棉称量机，分别提供二至六种纤维的混纺，产量可达1000Kg/h，能够满足纺织及无纺布行业中一些高端客户对混纺比例精度及产量要求高的需求。

The unit is composed of opener (condenser), fan, distributing weighing machine and lattice mixer. Generally, it is equipped with 2 to 6 distributing weighing machines, respectively provided for mixed spinning of two of six kinds of fibers. The production can reach 1000Kg/h. It can meet the demands of some high-end customers in the textile and nonwoven industries for high precision mixing ratio and high output.

整个系统采用连续供棉、定量控制、实时动态校正、误差统计补偿、预测控制策略、动态超限报警等方式，使该配棉称量机组在实际生产运行中，达到了称重误差2%之内的高精度要求。

The whole system adopts continuous feeding, quantitative control, real-time dynamic calibration,error statistical compensation, predictive control strategy, dynamic over-limit alarm and so on, so that the distributing weighing unit meets the high-precision requirements of weighing error within 2% in actual operation.

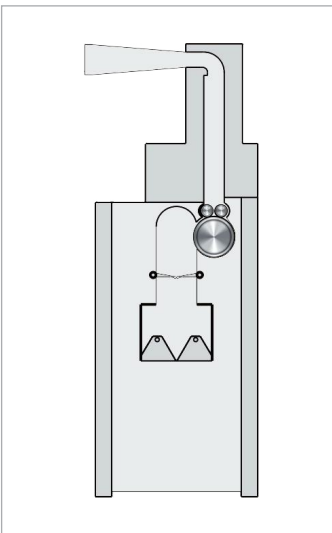
- 提高不同纤维之间的混合比精度，使成纱质量进一步提高。
The precision of the mixing ratio between different fibers is improved, and the yarn forming quality is further improved.
- 整个系统采用连续供棉、定量控制、动态超限报警等方式，使该配棉称量机组在实际生产运行中，达到了称重误差2%之内的高精度要求。
The whole system adopts continuous feeding, quantitative control, dynamic over-limit alarm and so on,so that the distributing weighing unit meets the high-precision requirements of weighing error within 2% in actual operation.
- 降低工作强度，减少企业用工。
The working intensity is lowered and enterprise employee is reduced.
- 电气控制方面采用实时动态校正，误差统计补偿及预测、策略控制，无需人工干预，快速追踪目标，更加灵活并且配棉精度更高。
Electrical control adopts real-time dynamic calibration,error statistical compensation and predictive control strategy without manual intervention, fast tracking target is more flexible and cotton distributing precision is higher.

JWF1062A-160 型配棉称量机

JWF1062A-160 DISTRIBUTING WEIGHING MACHINE

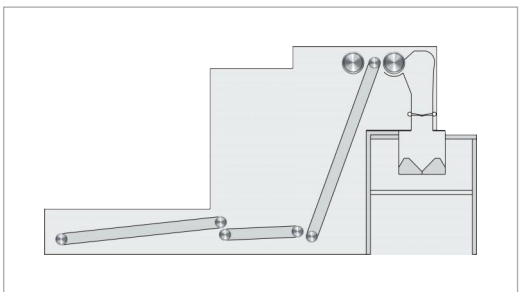
JWF1062A-160型配棉称量机可配2~6台与JWF1028A-160型帘子混棉机配合使用。

JWF1062A-160 Distributing weighing machine can be equipped with 2 to 6 and used in conjunction with JWF1028A-160 Lattice mixer.



JWF1064 型配棉称量机

JWF1064 DISTRIBUTING WEIGHING MACHINE



JWF1064型配棉称量机适应小批量，小比例混合，配置人工和自动两种喂棉方式，满足客户的个性化需求，并具有回花处理功能。

JWF1064 Distributing weighing machine adapts to small batch and small proportion mixing, configures two feed models manual and automatic to meet.

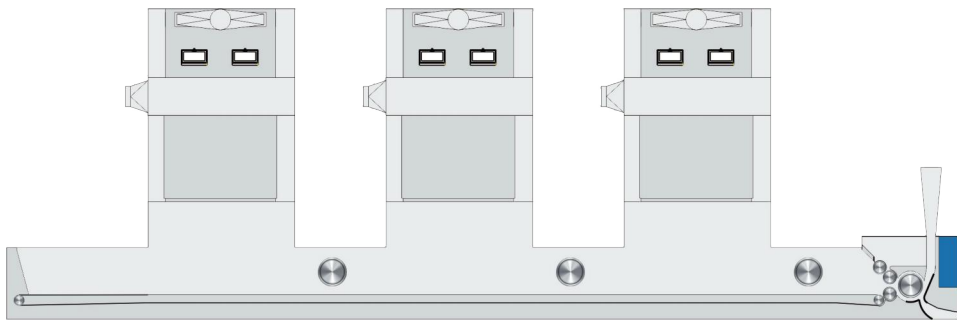
技术特点/Technical Features

- JWF1062A-160给棉罗拉采用变频控制、多段速给棉模式,精确控制给棉量。
The feeding roller adopts frequency conversion control and multi-stage speed feeding mode to accurately control the feeding amount.
- JWF1062A-160采用气压棉箱，气流输送喂棉，压力传感器控制，供棉稳定。
JWF1062A-160 adopt pneumatic hopper, airflow conveying feeding cotton, pressure sensor control, stable cotton supply.
- JWF1064混棉容量体积大，对纤维“横铺直取”，增强单成份混和效果，混棉均匀。
The blending capacity is large, and the fibers are "come horizontally and go vertically" to enhance the single-component blending effect and even blend.
- JWF1064输棉帘、角钉帘采用变频控制，能够根据前方机台给出的要棉信号，实现在线控制，控制精确，运转稳定，极大地提高了产品质量指标。
The delivery lattice and spiked lattice adopt frequency conversion control, which can realize online control according to the signal given by the front machine, with precise control and stable operation, and greatly improve the product quality index.

- 称斗和主机机架独立支撑无接触,可有效避免机器振动对称量的干扰。
The weighing bucket adopts the weighing bucket and the independent support of the main frame without contact, which can effectively avoid the interference of machine vibration symmetry.
- 采用四个压力传感器,平衡支撑称斗,称重精确。
Four pressure sensors are adopted to support the weighing bucket in a balanced manner for accurate weighing.
- 采用精确数字化运算模型,具有动态校准,称重在线补偿功能。
The precise digital operation model is adopted, with dynamic calibration and on-line weighing compensation function.
- 通过ETHERNET实现一屏多机组网模式,数据查询方便,操作便捷、控制简单。
The one-screen multi-unit network mode is realized by ETHERNET, which is convenient for data query, convenient for operation and simple for control.

JWF1028A-160 型帘子混棉机

JWF1028A-160 LATTICE MIXER



JWF1028A-160型帘子混棉机可与JWF1064型配棉称量机和JWF1062A-160型配棉称量机配合使用。

JWF1028A-160 Lattice mixer is used in conjunction with JWF1064 Distributing weighing machine and JWF1062A-160 Distributing weighing machine.

帘子混棉机的平帘采用间歇式运动方式,当配棉称量机的称斗达到标准重量时同时落下,帘子混棉机的平帘行走一个称斗距离后停止,当配棉称量机的称斗第二称达到标准重量时同时落下,第二台配棉称量机称斗内的第二称落入第一台配棉称量机第一称的上方,依次类推达到横铺直取的混棉效果。

The flat lattice of the lattice mixer adopts intermittent motion mode. When the weighing bucket of the weighing distributor reaches the standard weight falls down at the same time , the flat lattice of the lattice mixer will stop after one weighing bucket distance running . When the second weighing bucket of the weighing distributor reaches the standard weight falls down at the same time, the second weighing bucket of the second weighing distributor falls into above the first weighing bucket of the first weighing distributor . By analogy, the mixing effect of "come horizontally and go vertically" is achieved .

技术特点

Technical Features

- 采用密植翼片式三罗拉给棉结构,纤维转移顺畅,杜绝返花现象。
Adopting a densely planted wing type three roller cotton feeding structure, the fiber transfer is smooth and the phenomenon of return fibers is eliminated.
- 采用质量更轻的大直径铝打手,不易损伤纤维,加工长纤维不易绕花。
Adopting lighter large-diameter aluminum beaters, it is not easy to damage fibers, and it is not easy to wrap long fibers during processing.
- 整机采用PLC控制,操作方便,控制简单。
This machine adopts PLC control, which is easy to operate and easy to control.

技术参数

Technical parameters

机型 Type	JWF1062A-160	JWF1064	JWF1028A-160
机幅(mm) Working width(mm)	1600		
最大产量(Kg/h) Max production(Kg/h)	450	400	视所配称量机台数及产量而定 Depending on the number of distributing weighing and output
称斗容积(m³) Weighing bucket volume(m³)	1.2	1.2	--
打手形式 Beater type	梳针 Comb	角钉 Spiked	梳针 Comb
装机功率(Kw) Installed power(kW)	6.25	4.55	3.7
全机净重(Kg) Net weight(Kg)	2000	5000	2300
外形尺寸(长x宽x高)(mm) Overall dimensions (LxWxH)(mm)	2500x2279x4500	8150x2150x4500	14100x1879x1220 (配3台称量机) (with three Weighing Machine)

辅机产品 Auxiliary products

ZF9104 系列风机

ZF9104 SERIES FANS

该系列风机适用于开清棉流程中输送原棉、抽吸落棉，也可作为系统中的接力风机。

This series of fans are used for transporting raw material, sucking waste in Blowroom line. It is also as relay fan in system.

具有2类4种机型：	2 KINDS OF 4 TYPES
ZF9104-425(5.5)	ZF9104-425(5.5)
ZF9104-425(7.5)	ZF9104-425(7.5)
ZF9104-500(7.5)	ZF9104-500(7.5)
ZF9104-500(11)	ZF9104-500(11)



- 电机与叶轮直联变频调节，工艺速度调节方便简单；
The motor and impeller connect directly, and the speed is adjusted easily by frequency inverter.The adjustment of process speed is convenient and simple.
- 电机安装孔与进棉口安装孔相同，左右手调整方便；
The mounting hole of the motor is the same as that of the inlet, and the left and right hands are adjusted easily;
- 进棉口流畅不伤纤维；
Smooth inlet doesn't injure fibers;
- 铝合金叶轮，表面光滑，不产生火花，不堵塞，不粘纤维。
The surface of the aluminum alloy impeller is smooth no spark, no blockage and non-sticky fiber.

技术参数/Technical parameters

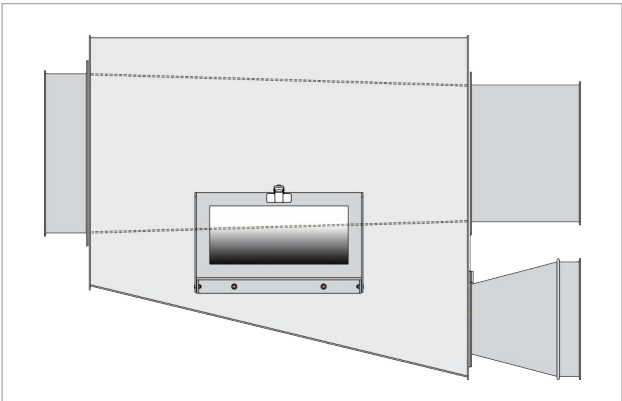
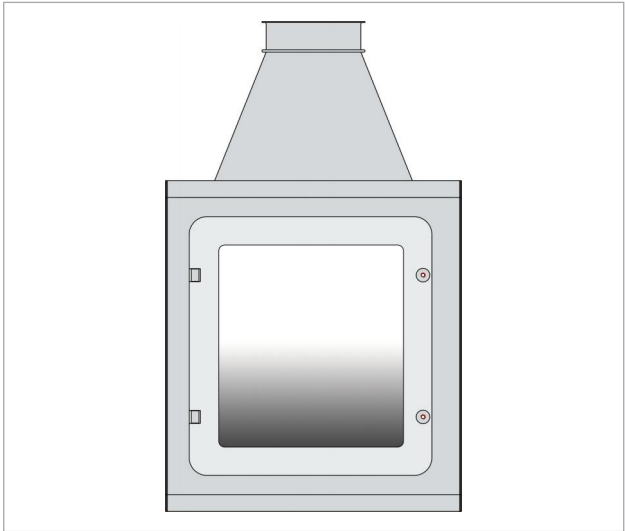
机型 Type	ZF9104-425(5.5)	ZF9104-425(7.5)	ZF9104-500(7.5)	ZF9104-500(11)
叶轮直径(mm) Impeller diameter(mm)	425		500	
电机功率(Kw) Motor power(Kw)	5.5	7.5	7.5	11
最大风量(m³/h) Max air volume(m³/h)	4400	6500	5500	7500
进出棉口直径(mm) Inlet and outlet diameter (mm)	300			
外形尺寸(长x宽x高)(mm) Overall dimensions (L X W X H)(mm)	874.5 x 890 x 1130		954.5 x 940 x 1130	

TF36B 型风量调节除尘器

TF36B AIR VOLUME REGULATOR DUST COLLECTOR

主要用于开清梳联合机或开清棉联合机较前的位置，起到平衡气流和排除微尘的作用。

Mainly used in the front position of the Blowing-carding machinery or Blowroom machinery, to balance the airflow and eliminate micro dust.



TF40A 型气流平衡装置

TF40A AIR VOLUME SEPARATOR

用于梳棉机配棉管道当中组的气流平衡装置。

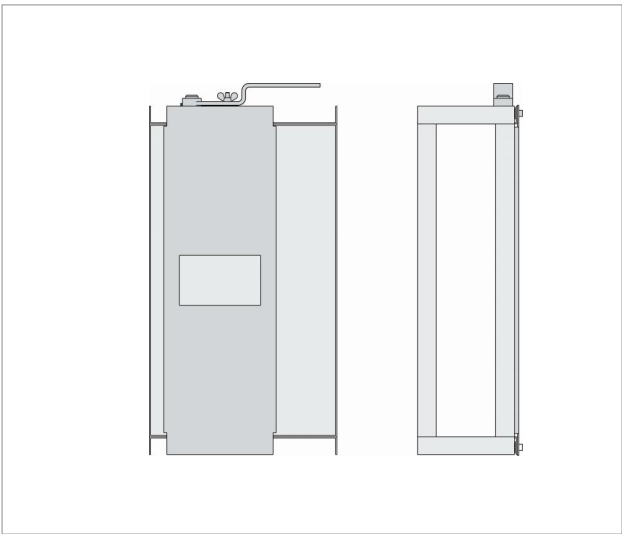
Air flow balance device for the middle group of the cotton distribution pipeline of the carding machine.

TF42B 型摇摆阀

TF42B SERIES SWING VALVE

用于清梳联系统纺制多品种时加装在梳棉机配棉管道上，可以实现梳棉机不同配台数的任意组合。

It can be installed on the cotton distribution pipeline of the carding machine when the blowing carding system is spinning multiple varieties, and it can achieve any combination of different matching machines of carding machine.

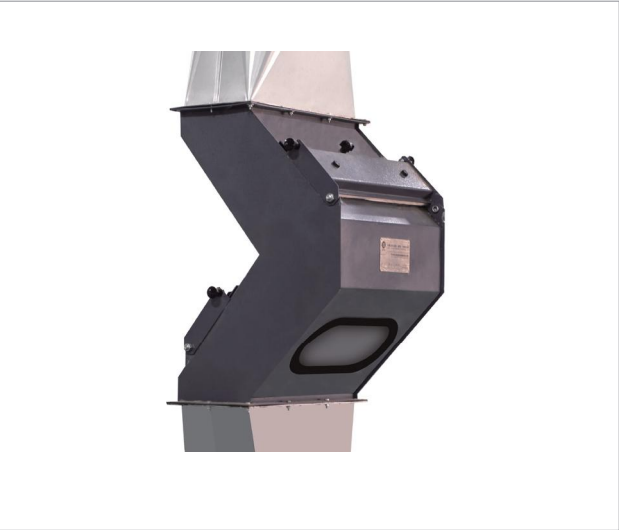
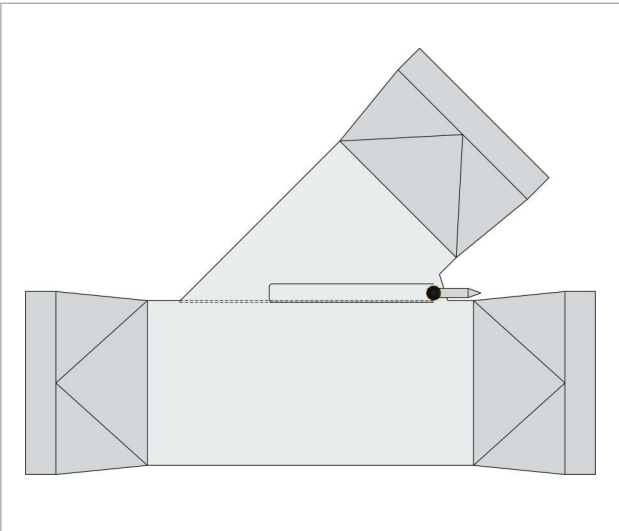


TF27 型桥式吸铁

TF27 BRIDGE TYPE MAGNET

本产品一般置于抓棉机出口处,用于探除混在纤维中的金属杂物(不包括有色金属杂物)。磁铁采用高强磁稀土金属材料,吸力牢固;巧妙的铁杂质存储结构,不勾挂纤维。铁杂质不易被棉流二次冲击误带入下一机台。

This device is generally located Bale Plucker’s outlet. It is used for detecting and removing metal particles mixed in fibers.(except non-ferrous metal particles.) Magnet is made of high tensile magnetic rare-earth metal materials with secure suction force.Adoption of clever iron particles storage structure does not hang fibers. The iron particles are not easily pounded by cotton flow to bring by mistake into following machine.



TF2201 系列间道器

TF2201 SERIES BY-PASS

用于将开清部分送来的原料纤维通过机内的活门调节输送方向,可以实现跳过等功能。

It is used for adjusting the conveying direction of the raw material fiber sent from the opening and clearing part through the movable door in the machine, which can realize the functions such as skipping.

技术参数

Technical parameters

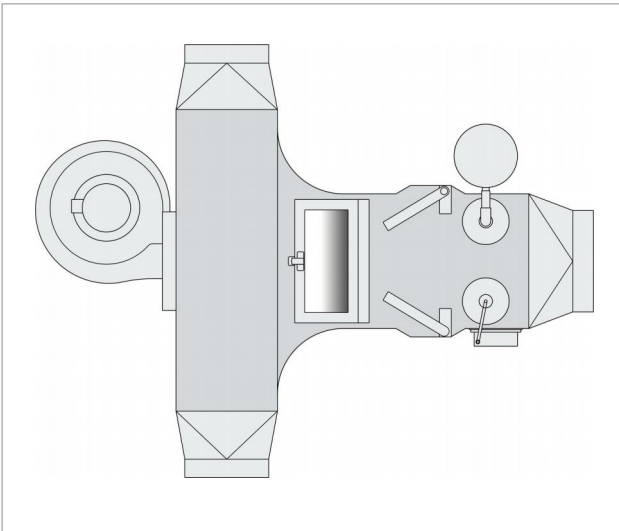
机型 Type	TF2201A	TF2201B	TF2201C
间道方式 By-pass way	手动 Manual		自动 Automatic
进口直径(mm) Inlet diameter(mm)	350	300	300
出口直径(mm) Outlet diameter(mm)	350	300	300

TF2202 系列两路配棉器

TF2202 SERIES TWO-WAY DISTRIBUTOR

用于将开清部分送来的原料纤维按梳棉机的用棉量分成两路供应给梳棉机的喂棉箱,可以实现梳棉机不同配台数的任意组合。

It is used for dividing the raw material fibers from the Blowing machine sending into two ways, supplying to the tuft feeder according to the amount of cotton used by the card,which can realize any combination of different card.



技术参数

Technical parameters

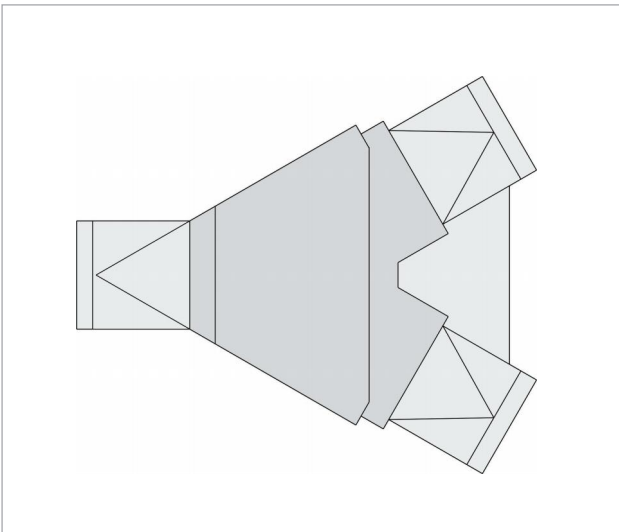
机型 Type	TF2202A	TF2202B
进口直径(mm) Inlet diameter(mm)	300	350
出口直径(mm) Outlet diameter(mm)	250	280
装机功率(Kw) Installed power(kW)	0.55	1.1

TF2212 型两路配棉器

TF2212 TWO-WAY DISTRIBUTOR

主要适用于清梳联“一机两线”生产流程中的开清部分,将输棉管路分成两路。该设备在工作时由清梳联集中控制柜内的PLC控制机上的双气缸摆臂结构,实现自动配棉。

The two-way distributor is mainly applied to the opening and clearing process in the“one system two material”blowing-carding production line,divided the cotton conveying pipeline into two lines.The machine’s double-cylinder move-about arm structure is controlled by a PLC in blowing-carding centralized control cabinet , which is achieved automatic cotton distribution during operation.



» 高产梳棉机 High production carding machine



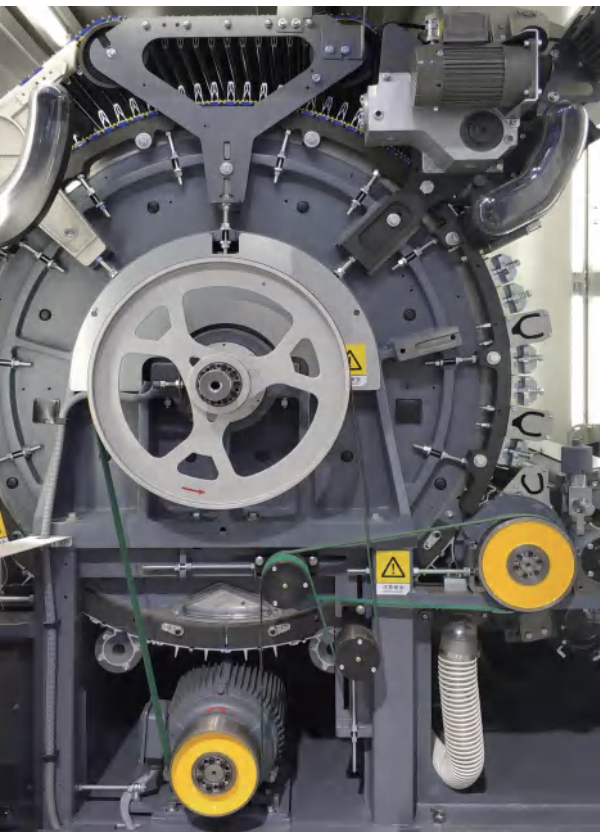
新一代高产梳棉机

New generation of high production carding machine

JWF系列梳棉机有JWF1216A/JWF218系列高产梳棉机和JWF1222系列高产棉机,适纺纯棉、纤维素纤维、涤纶短纤、麻等多种原料,可以满足环锭纺、气流纺、涡流纺等各种用户的需求。

JWF series carding machines include JWF1216A /JWF218series carding machine and JWF1222series carding machine,which are suitable for spinning pure cotton, cellulose fiber, polyester staple fiber, hemp and other raw materials, and can meet the requirements of ring spinning, OE-Spinning, vortex spinning and other user needs.

JWF1216A 系列高产梳棉机
JWF1216A SERIES CARDING MACHINE



JWF1216A系列梳棉机是在JWF1216系列梳棉机基础上经过优化升级,推出的新一代机型,最大产量可达100Kg/h以上。有1020mm幅宽的JWF1216A和1220mm幅宽的JWF1216A-120两种机型可供选择。

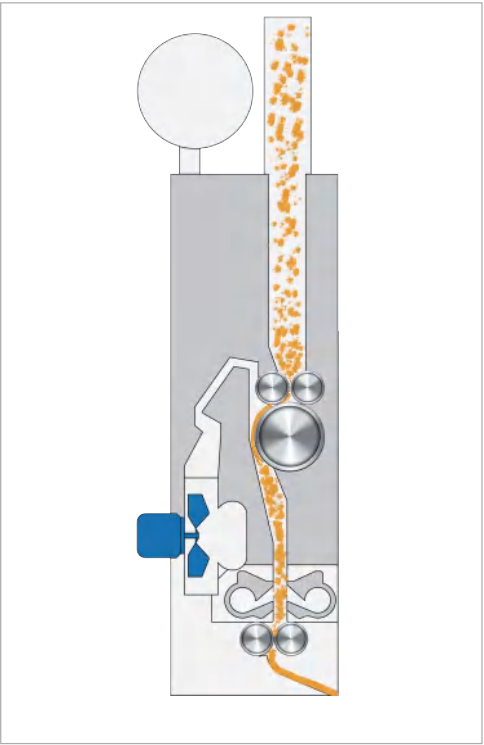
JWF1216A series carding machine is a new generation model after optimization and upgrading on the basis of JWF1216 series carding machine, the maximum output can reach 100Kg/h. There are two models of JWF1216A with a width of 1020mm and JWF1216A-120 with a width of 1220mm can be available for choice.

全面采用JWF1176A系列棉箱
Full use of JWF1176A series tuft feeder



喂棉箱与梳棉机一体化设计,全新设计的电气柜宽度与梳棉机罩壳相同,高度增加,并取消向外排风扇,采用密闭结构,利用双风扇内循环通过柜体散热,完全杜绝了车间粉尘对电器元件的影响。

Tuft feeder is designed integrated with carding machine, the newly designed electrical cabinet has the same width as the carding machine cover, increased height, and eliminates the need for outward fans. It adopts a closed structure and utilizes dual fans for internal circulation to dissipate heat through the cabinet, completely eliminating the impact of workshop dust on electrical components.



JWF1176A系列喂棉箱为上下两节气压式棉箱,采用双罗拉变频喂入,配合角钉打手开松转移,纤维损伤降至最低,满足各种原料喂入的均匀稳定性,并有效降低棉结的产生。

JWF1176A series tuft feeder is a pneumatic tuft feeder with upper and lower trunk. It is fed by double rollers with variable frequency, with the help of spiked beater, the fiber damage is minimized to meet the uniform and stable feeding of various raw materials and effectively reduce the generation of neps.

01 整体钢板结构 - 机架和锡林道夫筒体

Integral sheet steel construction - frame and cylinder body, doffer body

锡林、道夫筒体、机架选用优质钢板采用专业的工业机器人自动焊接，最大程度保证了设备的一致性和稳定性，刚性好不变形，长期运转坚固稳定，有利于高速高产时各梳理转移元件间隔距的稳定性，保障纺纱品质及质量稳定性。

The cylinder body, doffer body and frame are made of high-quality steel plates and welded automatically by professional industrial robots, which ensures the consistency and stability of the equipment at the greatest extent, the rigidity is well and not deformed, and the long-term operation is firm and stable, which conducive to the stability of the clearance between various comb elements and transfer elements at high speed and high production, and ensures the spinning quality and quality stability.

锡林、道夫筒体多年来一直使用钢板卷圆技术，确保锡林、道夫的高质量、高精度，包覆针布时平整度更高，即使经过多年使用，平整度依然如故，更换新针布无需修磨筒体。

Steel plate rolling technology has been used for cylinders body and doffers body many years which can ensure the high quality and high precision of cylinders and doffers. The levelness is higher when wrapped with clothing. Even after many years used, the levelness remains the same. Replace new card clothing does not need to grind the cylinder body and doffer body.

02 刺辊第一吸口 - 中间吸落棉

The first suction hood of the lick-in intermediate suction

刺辊周围配有除尘刀与分梳板和连续吸口，其中刺辊第一吸口采用中间吸落棉专利技术，第一落杂区长度无级调节，有效排除落杂同时，可节约滤尘能耗20%以上。确保主除杂吸口无堵塞挂花，较好地去除尘杂、籽屑等杂质，减轻锡林区梳理负担。

Around lick-in there are mote-knife, carding plate and permanent suction hood, which the first suction hood adopts the patented technology of intermediate suction structure. The length of the first impurity falling zone can be adjusted steplessly, thus effectively removing impurities and saving more than 20% energy consumption for dust filtration. Ensure that the main suction hood without clogging and hanging fiber, and better remove impurities such as trash particles and seed coat fragments and then reduce carding burden in cylinder area.



03 锡林 - 变频驱动

Cylinder variable frequency drive

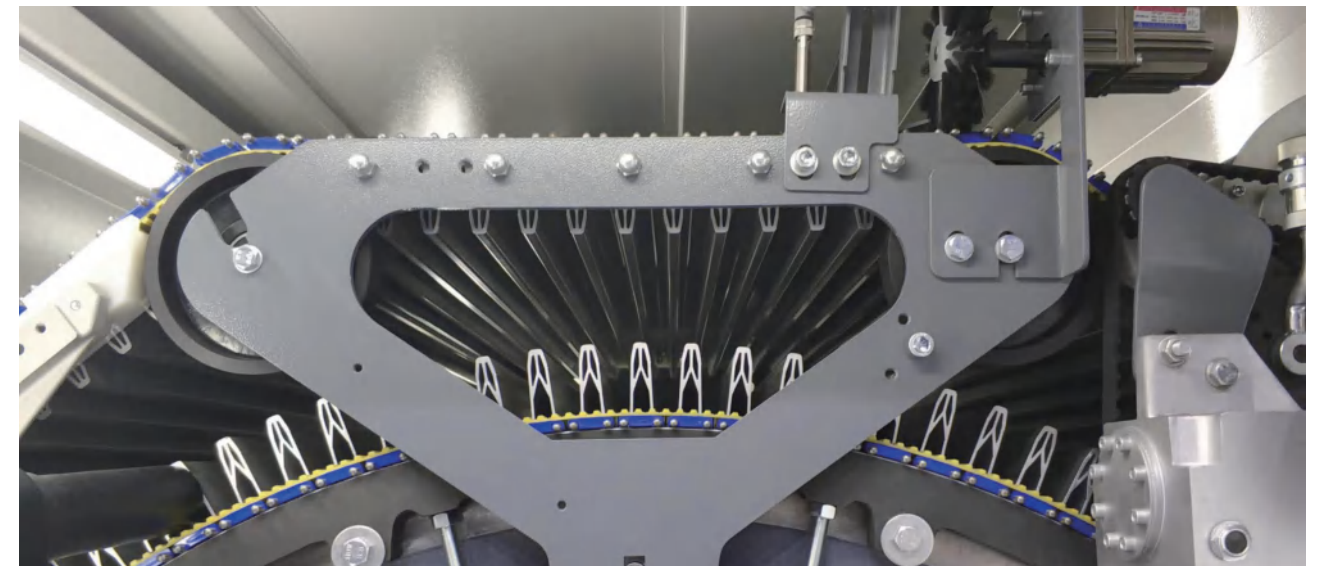


锡林采用特殊定制的专用变频驱动装置控制，针对锡林大扭矩的工作特点，将软启动和变频技术相结合，工艺速度调节方便，锡林启动柔和无冲击，有效减少锡林皮带的磨损，减少运转维护成本。锡林工艺转速范围：350~550r/min。

The cylinder is controlled by a special customized special frequency inverter drive device. According to the working characteristics of the cylinder with high torque, combined with the soft starts and frequency conversion technology to facilitate the process speed adjustment. The cylinder starts softly and without impact, which effectively reduces the wear of the cylinder belt and reduces the operation and maintenance cost. Cylinder process speed range: 350~550r/min.

04 铝合金活动盖板

Aluminum alloy revolving flat



活动盖板共84根，采用铝合金龙骨形式，转向与锡林转向相反。

There are 84 revolving flats in the form of aluminum alloy keels, and the driven is reverse direction of cylinder.



活动盖板为踵趾棒结构，与曲轨内嵌的自润滑高耐磨导带为线接触，相比其他结构其阻力和磨损更小，使用寿命得到显著延长，清洁保养拆装方便。

Revolving flat is flat-heel structure, which is in line contact with the self-lubricating high-wear-resistant guide belt embedded in the bend. Compared with other structures, the resistance and wear are smaller, the service life is significantly prolonged, and it is easy to disassemble and assemble for cleaning and maintenance.



活动盖板由同步齿形带传动，采用单独电机变频驱动，无级调速。

Aluminum alloy revolving flats driven by synchronous toothed belt and controlled by individual motor with inverter, and the speed is adjusted steplessly.

铝合金铝型材等新型材料在梳棉机中的应用占比超过60%

The application of new materials such as aluminum profiles in carding machines accounts for more than 60%

05 铝合金双联固定盖板 Aluminum alloy twin-linked stationary flats

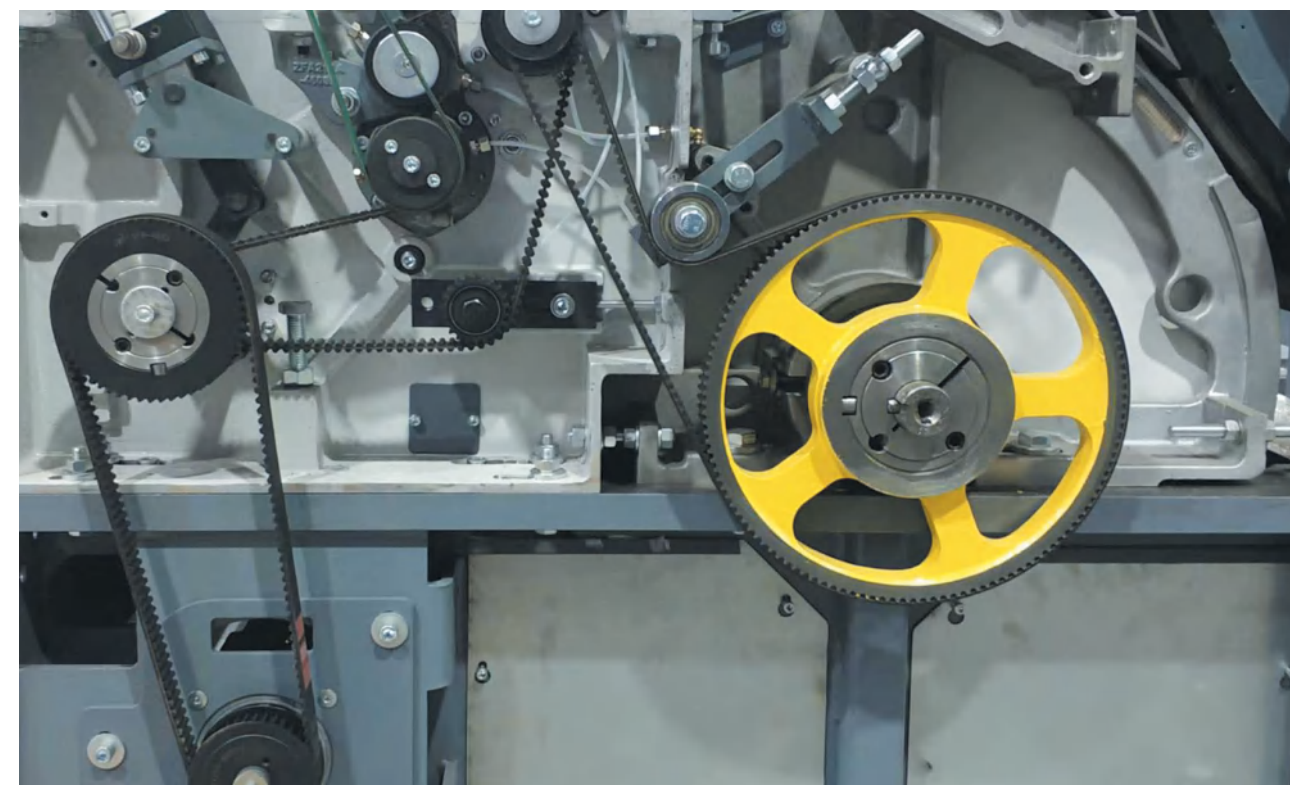
锡林前后分梳区设置铝合金双联固定盖板，铝合金通用吸口和通用罩板，具有通用互换性，可根据纺纱原料与工艺要求进行多种组合，工艺适纺性强。

The front and rear carding areas of the cylinder are equipped with aluminum alloy twin-linked stationary flats, aluminum alloy universal suction hood and universal cover plate. The universal interchange ability is considered when design, so it has strong spinning suitable and can be various combined according to the requirements of spinning raw materials and technology.

双联固定盖板采用渐增的密度配置，刚性好，针尖平整度高，保证纤维的梳理更充分、细致；铝合金吸口能够有效地去除尘杂、籽屑等杂质；锡林底部设有吸口，有利于气流平衡，使棉网更顺利地转移。

Combined twin-linked stationary flats adopt increasing density with good rigidity and high levelness of pin tip can ensure carding fiber more thorough and fine. Aluminum alloy suction hoods can effective remove impurities such as dust particles and seed coat fragments etc; Suction hoods under cylinder can facilitate flow balancing and web transferring more successfully.

06 三罗拉剥棉装置 In tri-roller stripper



压碎辊与剥棉罗拉的相对位置和托持板的结构优化,纤维转移更加顺畅。道夫、剥棉罗拉、清洁辊三角区增加铝合金罩板,减小涡流和纤维积聚,避免出现道夫返花。

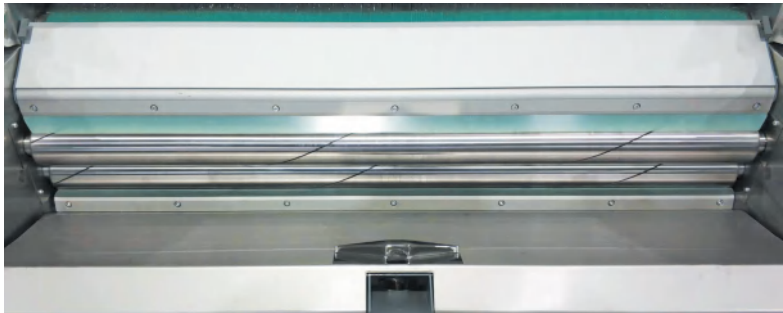
The relative position between the crushing roller and the stripping roller,as well as the structural optimization of the supporting ,result in smoother fiber transfer. Add aluminum alloy cover plates to the triangular area of the doff, stripping roller, and cleaning roller to reduce eddy currents and fiber accumulation, and avoid doff backflow.

方便可靠的新型皮圈导棉装置

Convenient and reliable new apron cotton guide device



皮圈导棉出条结构 (标配)
Apron guide cotton sliver structure (standard configuration)



集棉器集束出条结构(选配)
Cotton bundle and sliver structure (Optional configuration)

新型皮圈导棉技术通过全新设计,使新型皮圈导棉机构完全融入梳棉机一体化设计,导棉机构翻转维护简便,导辊特殊设计,不绕、不塞纤维,适应高速运转,能够适应各种原料高速生产需要,可以根据客户原料及纺纱需要选配,最大程度满足客户纺纱工艺需要。

Through new design, the new apron guide device completely integrated into the integrated design of the carding machine. The cotton guide mechanism is easy to overturn and maintain, and the guide roller is specially designed and adapted to high-speed operation without winding or plugging fibers. It can adapt to the high-speed production needs of various raw materials , and be selected according to the customer's raw materials and spinning needs, so as to meet the customer's spinning process needs to the greatest extent.

07 先进的电气控制系统

Advanced electrical control system



电气控制系统采用工业级的人机界面、可编程控制器与自调匀整相结合的控制方式,完成各种动作精确控制。棉箱喂棉变频调速,保证下棉箱压力稳定,梳棉机给棉、道夫、大压辊采用变频电机传动,同步性好,有利于高速高产。多种在线监测、报警和控制技术,确保设备运转的安全性、可追溯性。

Electrical control system adopts control methods of combination with industrial man-computer interface, PLC and autoleveller in order to complete all kinds of precise control actions. Feed in tuft feeder is adjusted by inverter to ensure stable pressure in lower trunk. Feed in card with doffer and large calendar roll are driven synchronously by inverter motor in favor of high speed and high production.A variety of online monitoring, alarm and control technologies ensure the safety and traceability of equipment operation.

08 多维自调匀整系统

Multidimensional autoleveling control system

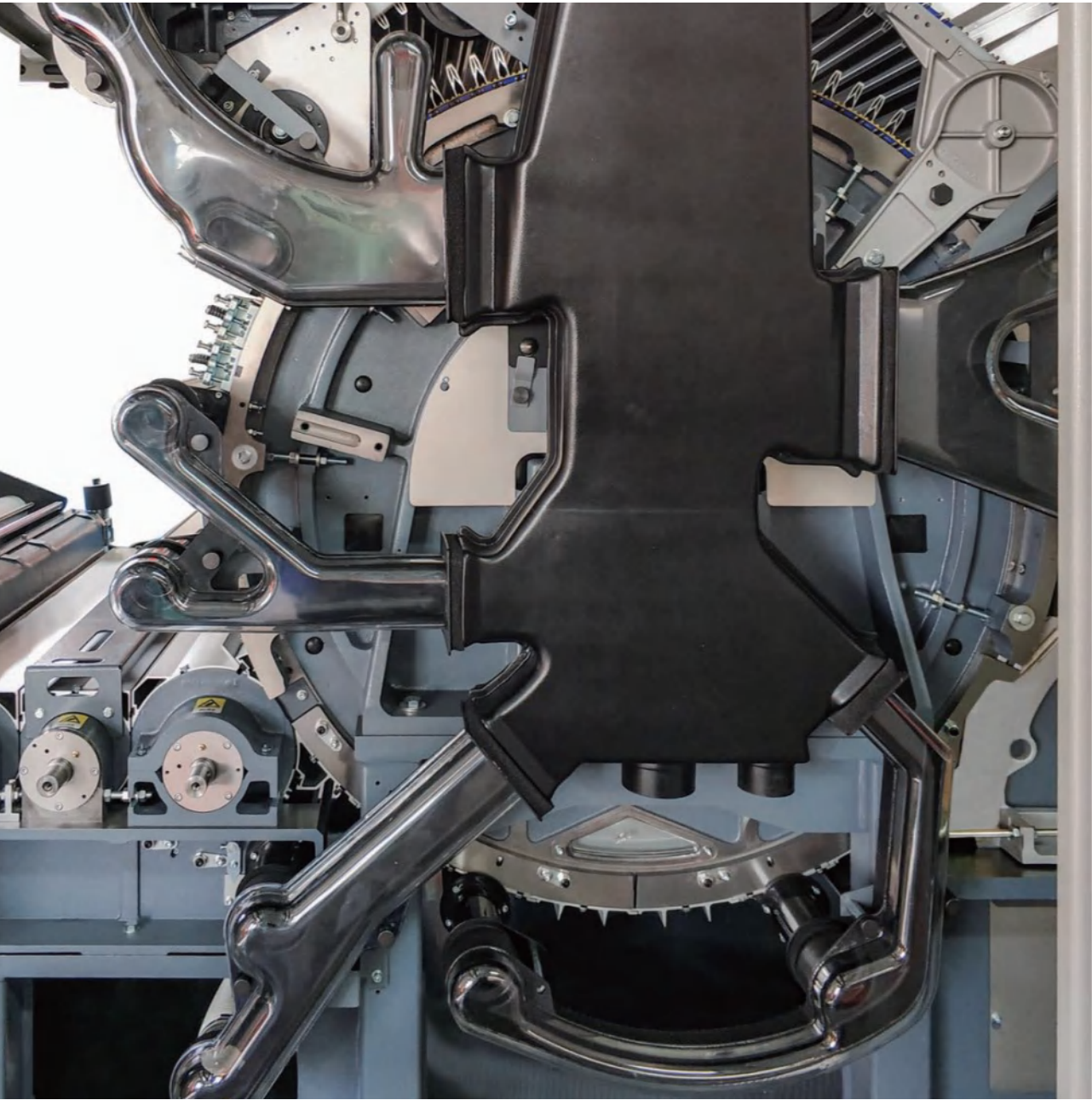
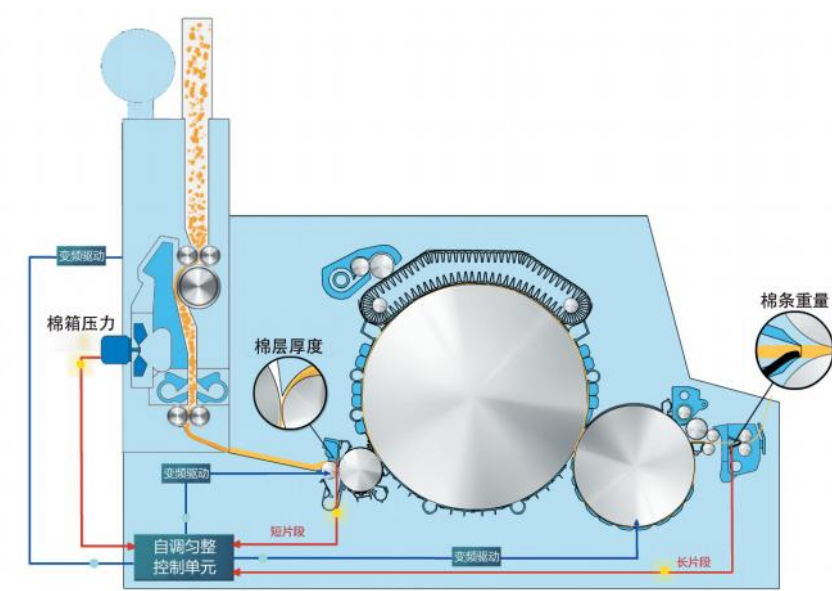
多维自调匀整系统及智能化闭环控制技术是基于对棉条、棉层、棉箱压力检测及在线历史数据,通过优化的多变量控制模型,调节给棉罗拉转速,实现更加复杂的精细控制,极大地提高生条均匀度。

Multidimensional autoleveling system and intelligent closed-loop control technology can detect on line history data such as slivers, layers and tuft feeder pressure, adjust the speed of feed roller by means of optimized multivariate control model, realize complex precision control and greatly improve card sliver evenness.

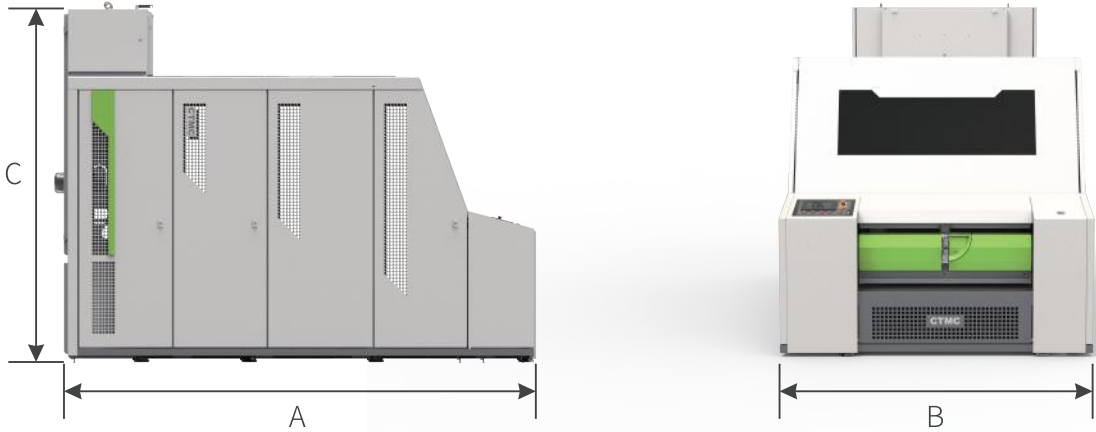
09吸风系统
Suction system

优化设计的吸风系统,全机吸风部件减少30%,吸风系统由不易损坏的增强工程塑料注塑成型,外覆有机玻璃,能方便的观察各点落棉情况。各吸风罩内腔光滑,截面呈弧面形状,更加符合气流运动轨迹,减少风阻,可节省滤尘能耗15%以上。

Optimized design of suction system reduces the suction parts of the whole machine by 30% and the suction system made of uneasy damaged reinforced plastic injection molding is wrapped with organic glass, easy to observe waste situation at each point. The suction cover is smooth,curved section shape, more in line with the airflow movement trajectory, and in favor of reducing wind resistance, saving energy and reducing more than 15% of dust filter energy consumption.



外形尺寸
Overall dimensions



机型 Type	JWF1216A	JWF1216A-120
A	3528	
B	2030	2230
C	2650(不含管道) without piping	



JWF1218 系列高产梳棉机

JWF1218 SERIES CARDING MACHINE



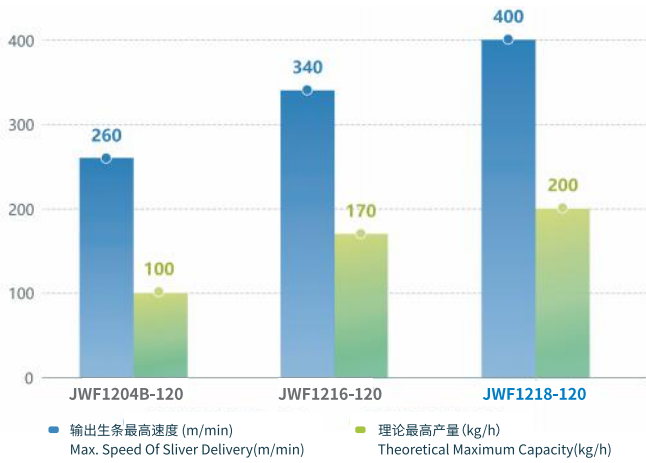
技术参数

Technical Parameters

锡林宽度(mm) Cylinder width	1020	1220
输出生条定量 Sliver delivery ration (g/m)	4~10	
输出生条最高速度 Max speed of sliver delivery(m/min)	340	
回转盖板总根数 Total number of revolving flats	84	
工作盖板根数 Number of working flats	30	
回转盖板速度 Speed of revolving flats(mm/min)	96~400	
固定盖板根数 Number of stationary flats	前10后8 Ten in front and Eight at rear	
棉网清洁器 Web cleaner	前2后3 Two in front and three at rear	
连续吸落棉风量 Permanent suction air capacity (m3/ h)	3800	4600
连续吸落棉压力 Permanent suction negative pressure(Pa)	-850Pa	
压缩空气耗气量 Compressed air consume (NL/h)	50	
装机功率 Installed power (kW)	14.6	
重量 Weight (Kg)(含棉箱) Include tuft feeder	6000	6800

JWF1218系列梳棉机通过继续抬高锡林、降低道夫,进一步增大分梳面积,并融入诸多创新技术,如刺辊区落棉含杂率、在线检测、棉网疵点在线检测、针布状态跟踪、远程技术支持、辅助生头等功能,可根据需要进行选配。

The JWF1218 series carding machine is a new generation of carding machines developed by continuously raising the cylinder and lowering the doffer, further increased the carding area and incorporating many innovative technologies. Including licker-in area online detection of noil impurity content, web defects onine detection, card cloth status tracking, remote Technical Support, and Semi-automatic pneumatic piecing aid. And these are optional according to needs.



通过抬高锡林,加大分梳面积等一系列结构优化设计,JWF1218系列梳棉机在生产同品种规格生条时,在同等质量要求下产量更高。

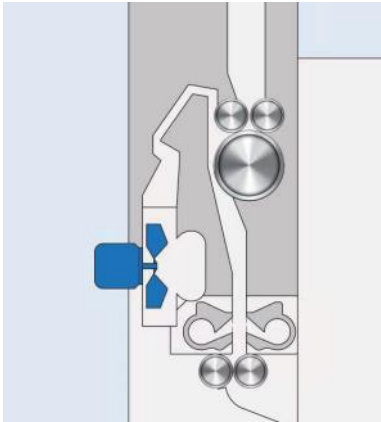
Through a series of structural optimization designs such as raising the cylinder to increasing the carding area. The JWF1218 series of carding machines reach higher production of the same quality and specifications of card slivers.

稳定高产的棉箱结构

STABLE AND HIGH PRODUCTION TUFT FEEDER STRUCTURE

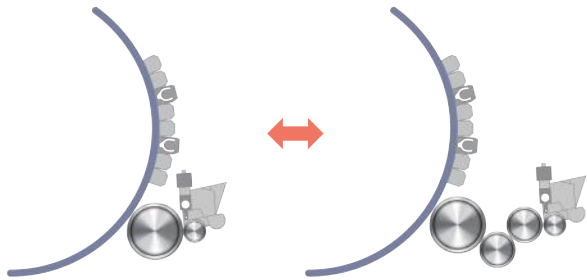
上棉箱棉道加宽,诸棉量增大,双罗拉主动喂棉,给棉更均匀,高产时供棉保证稳定可靠。

The upper cotton channel of tuft feeder is widened,and cotton storage capacity is increased;Double rollers active feed cotton, providing cotton more evenly,ensuring stable and reliablecotton supply during high production.



刺辊区配置可选

THE LICKER-IN PART IS OPTIONAL



刺辊区采用单独小机架,可进行单/三刺辊模块互换,并且刺辊安装与隔距调整简单便捷。

The licker-in part adopts a separate small frame, which can exchange single/three licker-in modules. The installation and gauge adjustment of the licker-in are simple and convenient.

灵活配置的固定盖板

FLEXIBLY OPTIONAL STATIONARY FLAT

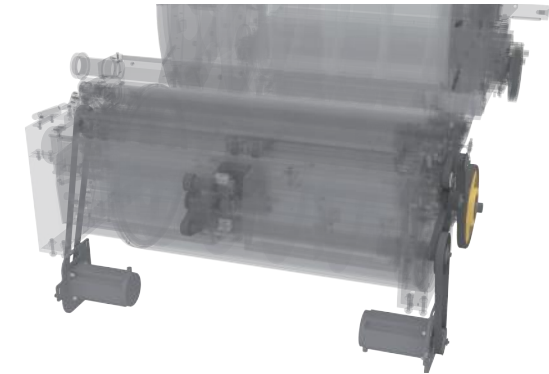
标配前六后六双联固定盖板,前三后三棉网清洁器;最多配前八后八双联固定盖板。

Equipped with front 6 and rear 6 stationary flats,and front 3 and rear 3 cotton web cleaner; Equipped with a maximum of front 8 and rear 8 stationary flats.



便捷的牵伸调节

CONVENIENT DRAFT ADJUSTMENT

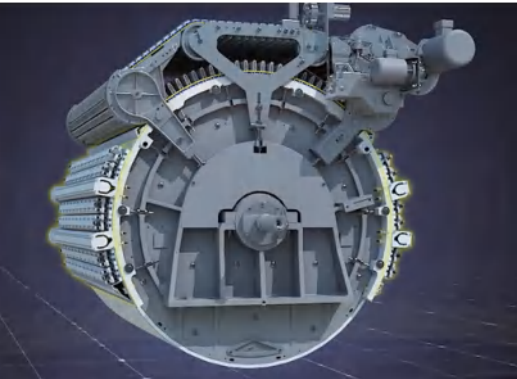


大压辊和剥棉罗拉由分别单独电机传动(已获国家实用新型专利),方便牵伸调节,适应高速高产。电机配置有伺服驱动或变频电机驱动可选。

The calender roller and stripping roller are driven by separate motors(Obtained national utility model patent), making it convenient for drafting adjustment and suitable for high-speed and high production. The motor is equipped with servo drive or variable frequency motor drive options.

丰富的锡林区配置

ABUNDANT CYLINDER AREA CONFIGURATION

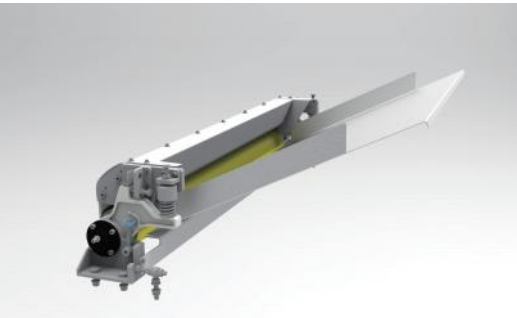


锡林梳理弧长增加到2.85m,采用变频驱动,并配有刹车电阻,可减小启动电流,启动平稳,刹车时间缩短至3分钟以内。标配前六后六双联固定盖板,前三后三棉网清洁器;最多配前八后八双联固定盖板。活动盖板采用单清洁辊,棉网清洁器配置除尘刀,落杂区长度设3档可调,并可选配锡林区接针报警保护功能。

The arc length of Cylinder carding increases to 2.85m,using variable frequency drive and equipped with brake resistor, which can reduce the starting current , start smoothly , and shorten the braking time to less than 3 minutes. Standard configuration includes front 6 and rear 6 twin-linked stationary flat,front 3 and rear 3 cotton mesh cleaners; Up to eight front and eight rear double fixed cover plates can be equipped. The activity cover adopts a single cleaning roller, and the cotton net cleaner is equipped with a dust removal knife. The length of the debris area is adjustable in 3 levels, and it can be optionally equipped with cylinder area needle alarm protection function.

更加优化的给棉部件

MORE OPTIMIZED FEED COMPONENTS

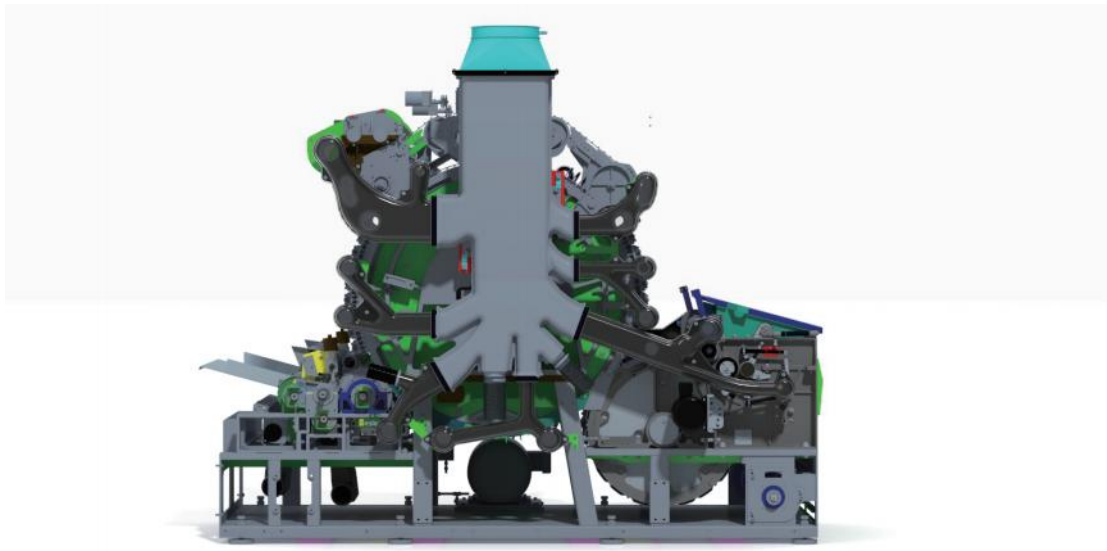


给棉部件结构进一步优化,调整更加方便。给面板结构优化,棉罗拉直径增大,提高对纤维的握持能力。

Further optimize the structure of cotton components and make adjustments more convenient. Optimize the panel structure, increase the diameter of the cotton roller, and improve the grip ability on the fibers,

全新的吸风系统

NEW SUCTION SYSTEM



通过科学建模与仿真分析全新设计的吸风系统，提高管路内的气流流动性，有效降低滤尘能耗，并有盖板花车肚花单独分开的双吸风系统可供选择。刺辊第一吸口单独吸风，排杂能力强，避免堵塞。

Through scientific modeling and simulation analysis, the newly designed suction system improves the airflow fluidity in the pipeline, effectively reduces the energy consumption of dust filtration, and has a dual suction system with separate belly flowers on the covered float for selection. The first suction port of the piercing roller is separately used for air suction, with strong ability to remove impurities and avoid blockage.

标配皮圈导棉

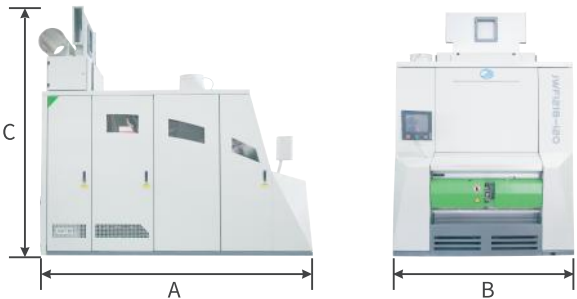


新型皮圈导棉技术通过全新设计，使新型皮圈导棉机构完全融入梳棉机一体化设计，导棉机构翻转维护简便，导辊特殊设计，不绕、不塞纤维，适应高速运转，能够适应各种原料高速生产需要，最大程度满足客户纺纱工艺需要。

Through new design, the new apron guide device completely integrated into the integrated design of the carding machine. The cotton guide mechanism is easy to overturn and maintain, and the guide roller is specially designed and adapted to high-speed operation without winding or plugging fibers. It can adapt to the high-speed production needs of various raw materials, so as to meet the customer's spinning process needs to the greatest extent.

外形尺寸

Overall dimensions



机型 Type	JWF1218-120	JWF1218-150
A	3550	
B	2160	2460
C	3475	

技术参数

Technical Parameters

机型 Type	JWF1218-120	JWF1218-150
刺辊形式 Licker-in form	单刺辊/三刺辊 Single/Three licker-in	
锡林宽度(mm) Cylinder width(mm)	1220	1520
理论最高产量 (kg/h) Theoretical maximum production (kg/h)	200	240
输出生条最高速度(m/min) Max speed of sliver delivery(m/min)	400	
回转盖板总根数 Total number of revolving flats	84	
工作盖板根数 Number of working flats	30	
固定盖板根数(双联) Number of stationary flats(duplex)	前6 后6 Front 6 Rear 6	
棉网清洁器 Web cleaner	前3 后3 Front 3 Rear 3	
连续吸落棉风量 Permanent suction air capacity (m³/ h)	4600	5500
连续吸落棉压力(Pa) Permanent suction negative pressure(Pa)	-850	
压缩空气耗气量(Nl/h) Compressed air consume (Nl/h)	50	
装机功率(kW) Installtion power (kW)	18.5	
重量 (含棉箱) (Kg) Net Weight(Include tuft feeder)(Kg)	6500	7800

JWF1222 系列 梳棉机

JWFF1222 SERIES CARDING MACHINE

JWF1222系列梳棉机创新采用1500mm直径锡林，锡林区梳理弧长达到前所未有的3400mm，最高出条速度达到400米/分钟，最高产量240kg/h，可配置单刺辊或三刺辊模块，有1300mm和1500mm两种机幅可供选择，更有落棉含杂在线监测、锡林在线隔距检测装置、棉网质量缺陷检测和便捷生头等功能和装置提供选配。



JWF1222 series carding machine innovative adopts 1500mm diameter cylinder, the cylinder carding arc length is 3400mm. The maximum sliver delivery speed is 400 m/min, and production is up to 240kg/h. It can be equipped with single or three licker-in, Two working width 1300mm and 1500mm for option. There are also functions and devices such as online monitoring of noil impurity rate、gauge online detection , web quality defect detection, and piecing aid device.

稳固的整体机架

MORE STABLE INTEGRATED FRAME

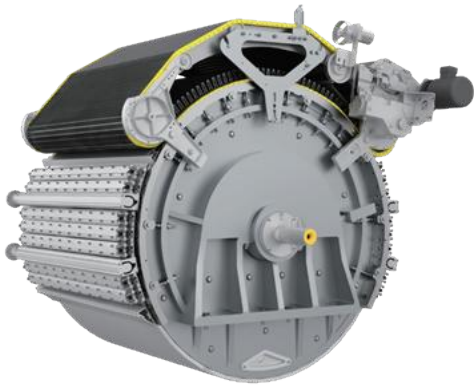


通过建模计算分析与现场验证，对原有的整体机架结构进行优化升级，进一步提高机架强度和一阶模态振动频率。

Through modeling calculation analysis and on-site verification, the original whole frame structure is optimized and upgraded, the original whole frame structure is optimized, the strength and first-order vibration frequency of the frame are further improved.

更加丰富的锡林区配置

MORE COMPREHENSIVE CONFIGURATION OF CYLINDER AREA



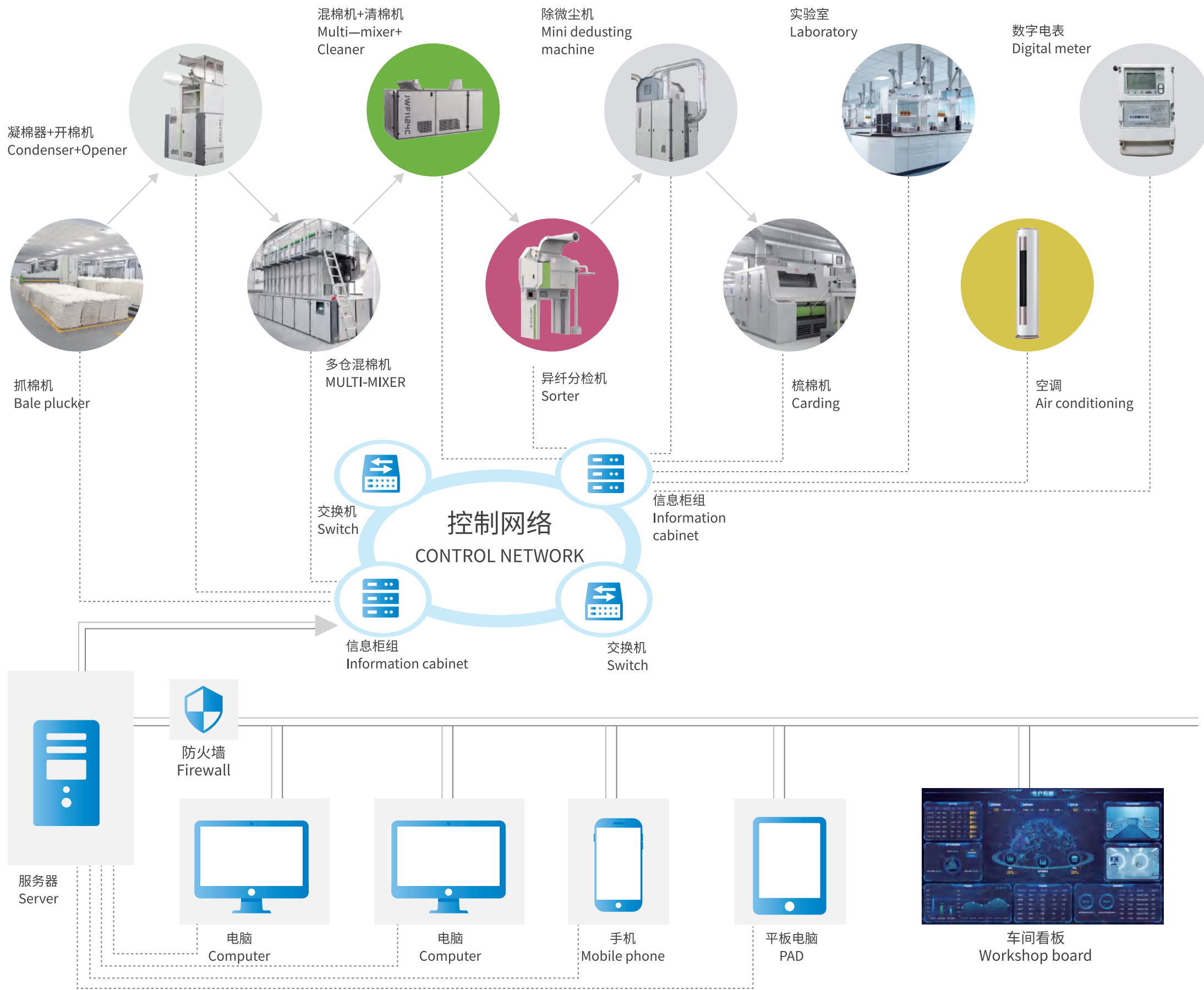
更大直径的锡林带来更丰富的锡林区配置，锡林区配备前7组、后8组双联固定盖板，最多可配备前9组、后10组双联固定盖板，活动盖板106根（工作盖板40根）；11个隔距调节点带来更精准的隔距，并有接针报警保护功能保证生产安全。

The larger diameter of the cylinder brings more abundant configuration of the cylinder area, the cylinder area is equipped with 7 front and 8 rear double stationary flat, and the maximum can be equipped with up to 9 front and 10 rear stationary flat. There are 106 revolving flats (40 working flats); More accurate gauge by 11 places of adjustment points. Cylinder area parts touching alarm function to ensure working safety.

技术参数

Technical Parameters

锡林宽度 Cylinder width(mm)	1300	1500
输出生条定量 Sliver delivery ration (g/m)	4~10	
输出生条最高速度 Max speed of sliver delivery(m/min)	400	
回转盖板总根数 Total number of revolving flats	106	
工作盖板根数 Number of working flats	40	
回转盖板速度 Speed of revolving flats(mm/min)	96~400	
固定盖板根数(双联) Number of stationary flats (duplex)	前7后8 Ten in front and Eight at rear	
棉网清洁器 Web cleaner	前3后3 Two in front and three at rear	
连续吸落棉风量 Permanent suction air capacity (m3/ h)	4200	4800
连续吸落棉压力 Permanent suction negative pressure(Pa)	-850Pa	
压缩空气耗气量 Compressed air consume (NL/h)	50	
装机功率 Installed power (kW)	18.5	
重量 Weight (Kg)(含棉箱) Include tuft feeder	7200	8000



网络集中控制

NETWORK CENTRALIZED CONTROL

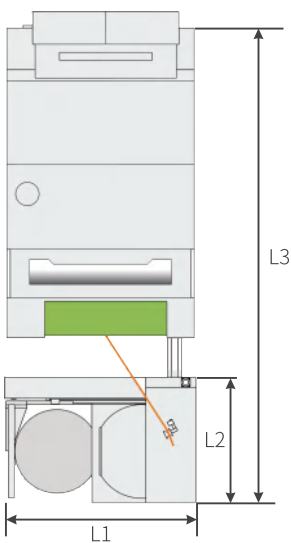
郑州宏大JWF系列新一代高效清梳联以单元机自动化、数字化为基础，以系统自适应控制技术为核心，融合网络数据集成控制技术及互联网技术，对内可提高生条及成纱质量，降低清梳联能耗和工作强度，实现“无人值守”，大幅提高工作效率；对外可以通过互联网在任意地方监控清梳联生产现场的实时运行情况，查询报表及历史数据，并可通过并口程序实现远程运维，进行故障诊断排除。

Zhengzhou Hongda JWF series new generation high-efficiency blowing-carding unit is based on automation and digitization of unit machine, with system adaptive control technology as the core, and integrates network data integration control technology and Internet technology, which can improve the quality of sliver and yarn, reduce the energy consumption and work intensity of blowing-carding unit, realize "unattended" and greatly improve work efficiency; External users can monitor the real-time operation of blowing-carding production site anywhere through the Internet, inquire about reports and historical data, and realize remote operation and maintenance through parallel port programs to diagnose faults and troubleshooting.

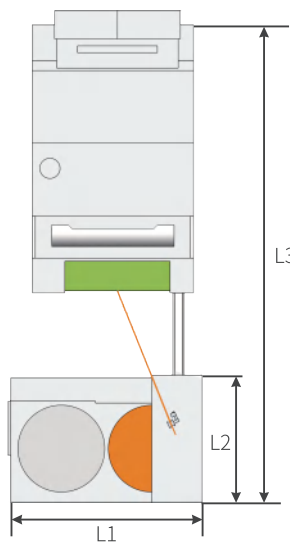


TF系列自动换筒圈条器

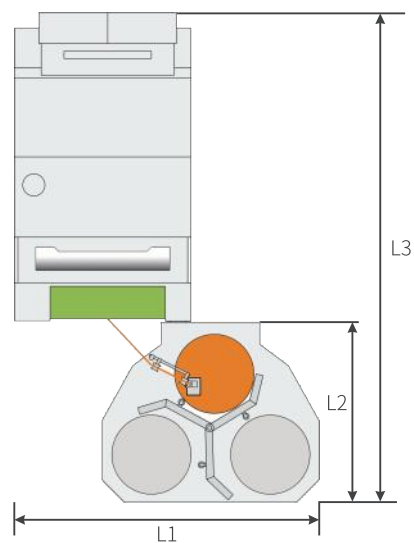
TF SERIES AUTOMATIC CAN-CHANGING COILERS



TF2527A型直线式
换筒圈条器
TF2527A Linear Automatic
Can-Changing Coiler



TF2526A 型直线式
换筒圈条器
TF2526A Linear Automatic
Can-Changing Coiler



TF2513型旋转式
换筒圈条器
TF2513 Rotary Automatic
Can-Changing Coiler

TF系列自动换筒圈条器主要支持Φ600mm、Φ1000mm、Φ1200mm几种规格的条筒,目前主推型号为:TF2526A直线式自动换桶圈条器、TF2527A直线式自动换桶圈条器、TF2513旋转式自动换桶圈条器。其中,TF2526A型自动换桶圈条器为国内第一款用于梳棉机正式配套生产的1200mm大直径圈条器,适用条筒高度1500mm。

TF series automatic can-changing coilers mainly supports several kinds of cans with specifications of $\phi 600\text{mm}$, $\phi 1000\text{mm}$ and $\phi 1200\text{mm}$. At present, the main models are: TF2526 linear automatic can-changing coiler, TF2527A linear automatic can-changing coiler, TF2513 rotary automatic can-changing coiler. The TF2526A automatic can-changing coiler is the first 1200mm large-diameter coiler used in formal supporting production of carding machines in China, and the height of the used cans is 1500mm.

TF2513,TF2527A圈条器适应条筒的高度标准为1200mm,可以根据客户个性化需要,降低或增加高度。

The height standard of TF2513,TF2527A coiler is 1200mm, which can be reduced or increased according to the individual needs of customers.

技术参数

Technical Parameters

机型 Type		TF2527A	TF2526A	TF2513
适用条筒直径 Can Dia.(mm)		1000	1200	1000
适用条筒高度 Can height(mm)		1200	1500	1200
与JWF1216A配合使用 Use with JWF1216A	L1	2280	2650	3702
	L2	1500	1700	2280
	L3	5500	6400	5823
与JWF1216A-120/JWF1218 配合使用Use withJF1216A- 120/JVF1218	L1	2280	2650	3902
	L2	1500	1700	2280
	L3	5500	6400	5823