

打造装备旗舰 引领纺织发展
CREATING A FLAGSHIP IN MANUFACTURING,
LEADING THE DEVELOPMENT OF TEXTILE INDUSTRY



青岛宏大纺织机械有限责任公司
QINGDAO HONGDA TEXTILE MACHINERY CO., LTD.

开清梳联合机 BLOWING-CARDING MACHINERY



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The specifications and external appearance of this unit are subject to change without prior notice.



公司简介

COMPANY INTRODUCTION



为您提供清梳络筒全面解决方案！

TO PROVIDE YOU WITH CARDING MACHINES, WINDERS

COMPREHENSIVE SOLUTION

青岛宏大纺织机械有限责任公司是经纬纺织机械股份有限公司子公司，是国家纺织机械制造行业的大型骨干生产企业，是纺织梳理设备与自动络纱设备的重要生产基地。

公司技术中心被评为“国家技术中心”，清梳产品获得中国纺织工业协会科技进步一等奖，是国家科委“九五”推广项目。企业三大主导产品梳棉机、清梳联合机、自动络筒机，均通过了ISO9001国际质量体系认证，被评为全国质量工作“先进单位”。

新环境，新举措，与时俱进，青岛宏大纺织机械有限责任公司将为中国纺机的发展壮大、为中国纺织行业的技术进步、提高在国际市场上的竞争力而努力奋斗。

Qingdao Hongda Textile Machinery Co., Ltd (here after referred to as QDHD) is the subsidiary company of Jingwei Textile Machinery Co., Ltd. It is a large-scale backbone enterprise of textile machinery manufacture, as well as an important manufacturing base for carding machinery and auto-winder.

The Technology Center of QDHD is certified as the National Technology Center. Blowing-Carding machinery wins the First-Class Scientific and Technological Progress Award issued by China Textile Industry Association and is the promotion program in The Ninth Five-Year Plan of the State Science and Technology Commission. The three leading products of QDHD—Carding Machine, Blowing-Carding Machinery and Auto-winder, have all passed the ISO9001 quality system authentication, winning QDHD the honor of "Pioneer Enterprise of National Quality Control".

Facing the new situation, Qingdao Hongda Textile Machinery Co., Ltd will be committed to continuous contribution to the development of Chinese textile machinery, the technological progress of the Chinese textile industry and the improvement of its international competitiveness by executing new initiatives and advancing with times.

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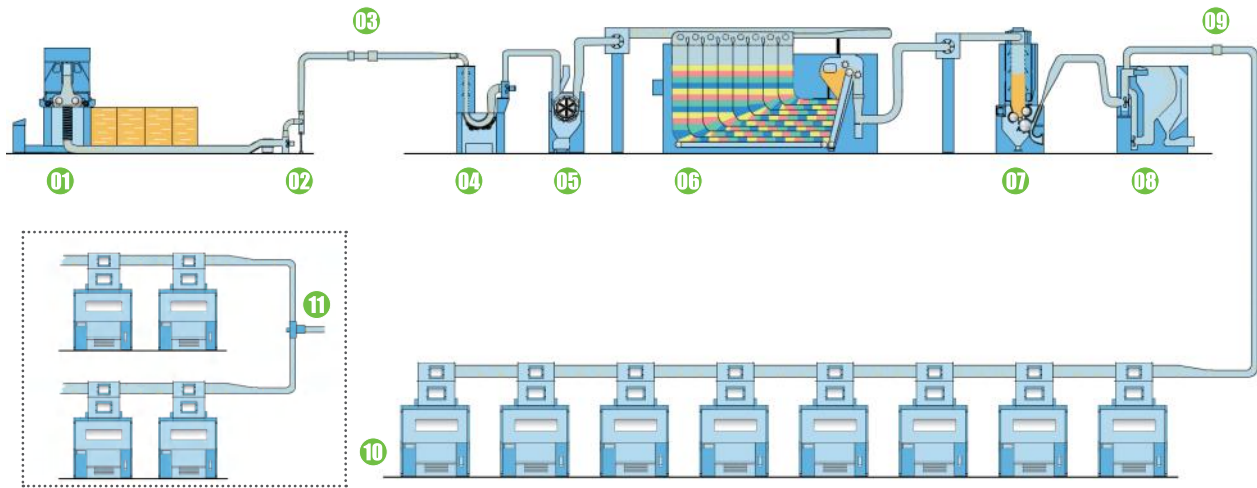
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纯棉清梳联 (环锭纺、气流纺)(一) B&C FOR COTTON (RING SPINNING,OE)(I)



本流程一机一线产量 1500 公斤 / 小时；配合超过 10 台梳棉机或必要时配 FT202A。
The maximum production of this blowing-carding is 1500Kg/h. FT202A T shape distributor can be optional when the line is equipped with more than 10 carding machines or when necessary.

用 途 /APPLICATION

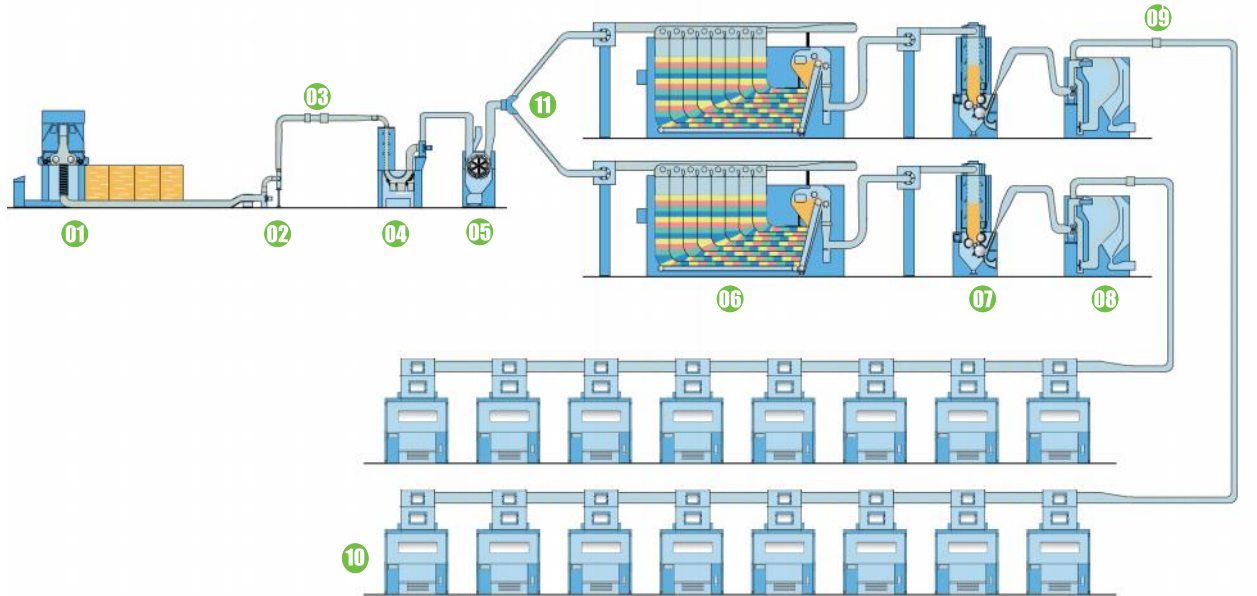
适用于纯棉环锭纺、气流纺。
Applicable to the ring spinning and open-end spinning of pure cotton.

单元机组成 /CONSTITUENT OF UNIT

01	JWF1011/JWF1013/JWF1019/JWF1021 往复抓棉机	JWF1011/JWF1013/JWF1019/JWF1021 Bale plucker
02	FT225B/C/D强力磁铁 FT247B/FT249B输棉风机 FA124A/B重物分离器	FT225B/C/D Powerful magnet equipment FT247B/FT249B Transport fan FA124A/B Weight separator
03	AMP3000/AMPEE01火星金属探测器/鹰眼	AMP3000/AMPEE01 Spark and metal detector/Eagle eyes
04	JWF0007-70/90重物分离器 FT217-70/90气流分流器	JWF0007-70/90 Weight separator FT217-70/90 Air separator
05	JWF1107/ JWF1109 单轴流开棉机 JWF1111轴流开棉机	JWF1107/JWF1109 Single Roller Opener JWF1111 New Roller Opener
06	JWF1029/JWF1033/JWF1039/JWF1039A 系列多仓混棉机 FT218重杂分离装置	JWF1029/JWF1033/JWF1039/JWF1039A Series Multi-Mixer FT218 Weight separator
07	JWF1117 系列精开棉机 JWF1125 精清棉机 JWF1055系列立式纤维分离器 FT301B 连续喂棉控制器	JWF1117 Series Fine opener JWF1125 Fine opener JWF1055 Vertical fiber separator FT301B Controllor of continuous feeder
08	JWF1057 除微尘机	JWF1057 Dedusting machine
09	119AII 火星探测器	119AII Spark detector
10	JWF1211A/JWF1213A/JWF1215/JWF1217 梳棉机 JWF1173B/JWF1177B喂棉箱 FT031A/B自调匀整器	JWF1211A/JWF1213A/JWF1215/JWF1217 Carding machine JWF1173B/JWF1177B Chute feeder FT031A/B Auto-leveller
11	FT202A/B T 型分配器	FT202A/B T shape distributor



纯棉清梳联 (环锭纺、气流纺)(二) B&C FOR COTTON (RING SPINNING,OE)(II)



本流程一机两线产量 2000 公斤 / 小时 (纺一种原料)，1600 公斤 / 小时 (纺两种原料)；配合超过 10 台梳棉机或必要时配 FT202A。
The maximum production of this blowing-carding line is 2000Kg/h (one kind of material), and 1600Kg/h (two kinds of material). FT202A T shape distributor can be optional when the line is equipped with more than 10 carding machines or when necessary.

用 途 /APPLICATION

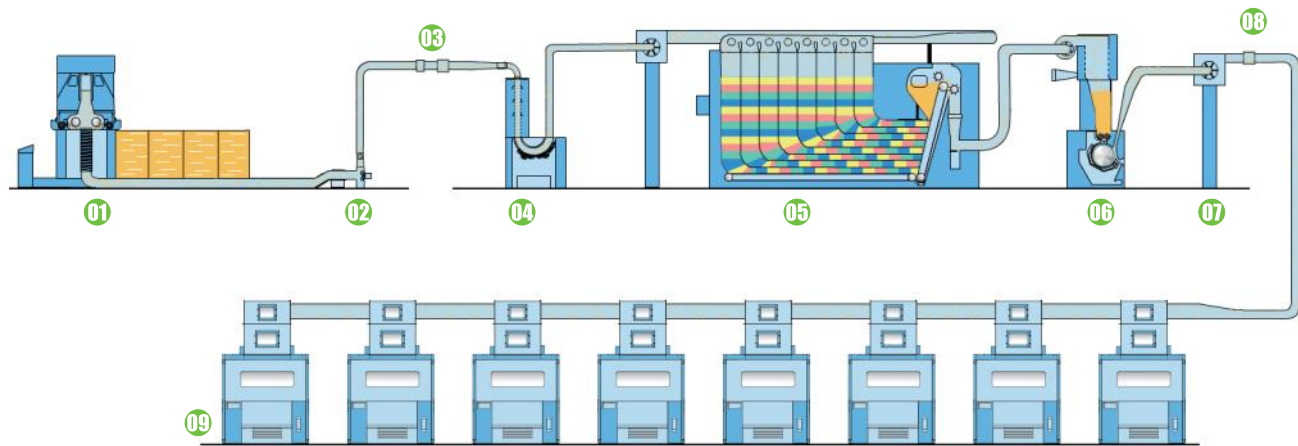
适用于纯棉、两个品种，环锭纺、气流纺。
Applicable to two kinds of cotton,ring spinning and open-end spinning.

单元机组成 /CONSTITUENT OF UNIT

01	JWF1011/JWF1013/JWF1019/JWF1021 往复抓棉机	JWF1011/JWF1013/JWF1019/JWF1021 Bale plucker
02	FT225B/C/D强力磁铁 FT247B/FT249B输棉风机 FA124A/B重物分离器	FT225B/C/D Powerful magnet equipment FT247B/FT249B Transport fan FA124A/B Weight separator
03	AMP3000/AMPEE01火星金属探测器/鹰眼	AMP3000/AMPEE01 Spark and metal detector/Eagle eyes
04	JWF0007-70/90重物分离器 FT217-70/90气流分流器	JWF0007-70/90 Weight separator FT217-70/90 Air separator
05	JWF1107/ JWF1109 单轴流开棉机 JWF1111轴流开棉机	JWF1107/JWF1109 Single Roller Opener JWF1111 New Roller Opener
06	JWF1029/JWF1033/JWF1039/JWF1039A 系列多仓混棉机 FT218重杂分离装置	JWF1029/JWF1033/JWF1039/JWF1039A Series Multi-Mixer FT218 Weight separator
07	JWF1117 系列精开棉机 JWF1125 精清棉机 JWF1055系列立式纤维分离器 FT301B 连续喂棉控制器	JWF1117 Series Fine opener JWF1125 Fine opener JWF1055 Vertical fiber separator FT301B Controllor of continuous feeder
08	JWF1057 除微尘机	JWF1057 Dedusting machine
09	119AII 火星探测器	119AII Spark detector
10	JWF1211A/JWF1213A/JWF1215/JWF1217 梳棉机 JWF1173B/JWF1177B喂棉箱 FT031A/B自调匀整器	JWF1211A/JWF1213A/JWF1215/JWF1217 Carding machine JWF1173B/JWF1177B Chute feeder FT031A/B Auto-leveller
11	FT221A/FT221B 双路分配器	FT221A/FT221B Series 2-way distributor



化纤清梳联 B&C FOR CHEMICAL FIBER



可以采用一机两线，最多纺两个品种，产量 2000 公斤 / 小时。
The line can process two kinds of material and the maximum production is 2000Kg/h.

用 途 /APPLICATION

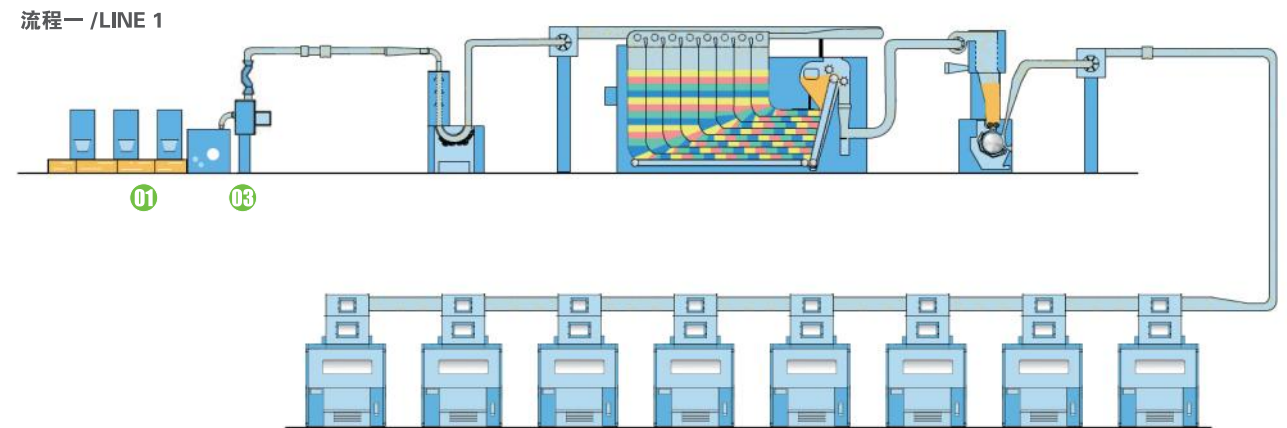
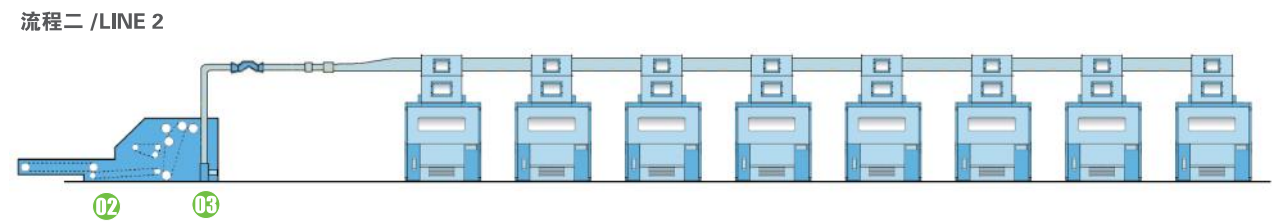
适用于纺化纤。
Applicable to the chemical fiber.

单元机组成 /CONSTITUENT OF UNIT

01	JWF1011/JWF1013/JWF1019/JWF1021 往复抓棉机	JWF1011/JWF1013/JWF1019/JWF1021 Bale plucker
02	FT225B/C/D强力磁铁 FT247B/FT249B输棉风机 FA124A/B重物分离器	FT225B/C/D Powerful magnet equipment FT247B/FT249B Transport fan FA124A/B Weight separator
03	AMP3000/AMPEE01火星金属探测器/鹰眼	AMP3000/AMPEE01 Spark and metal detector/Eagle eyes
04	JWF0007-70/90重物分离器	JWF0007-70/90 Weight separator
05	JWF1029/JWF1033/JWF1039/JWF1039A 系列多仓混棉机 FT218重杂分离装置	JWF1029/JWF1033/JWF1039/JWF1039A Series Multi-Mixer FT218 Weight separator
06	JWF1117 精开棉机 JWF1055 系列立式纤维分离器 FT301B 连续喂棉控制器	JWF1117 Fine opener JWF1055 Series Vertical fiber separator FT301B Controller of continuous feeder
07	FT243A 输棉风机	FT243A Transport fan
08	119AII 火星探测器	119AII Spark detector
09	JWF1211A/JWF1213A/JWF1215/JWF1217梳棉机 JWF1173B/JWF1177B 喂棉箱 FT031A/B 自调匀整器	JWF1211A/JWF1213A/JWF1215/JWF1217 Carding machine JWF1173B/JWF1177B Chute feeder FT031A/B Auto-leveller



手工喂入清梳联 (化纤、纯棉) MANUAL FEEDING BLOWING-CARDING (CHEMICAL FIBER,COTTON)



手工喂入形式可采用流程一，流程二的喂入方式，后续流程配置由用户根据需要参照纺棉、化纤流程自行选配。

流程一：可以适用于混纺工艺，多种原料比例混合的精细配棉，最高产量 450 公斤 / 小时。

流程二：可以适用于单一原料和已经混合的原料，最高产量 600 公斤 / 小时；BG001，FB003 可以作为辅助设备与抓棉机配套使用。

These two lines are reference for the manual feeding process. As for the rear process, users can also refer to the blowing-carding lines in the previous instruction.

LINE 1: Applicable for blending process. It blends several kinds of material in a certain ratio and its maximum production is 450Kg/h.

LINE 2: Applicable to one kind of material or material already mixed and its maximum production is 600Kg/h. BG001 feeding machine and FB003 feeding machine are optional equipment and can be used as auxiliary machines for bale plucker.

用 途 /APPLICATION

适用于小批量化纤、毛绒、棉的生产 (环锭纺、气流纺)。
Applicable to the processing chemical fiber,wool,cotton etc.in small quantity.(Ring spinning and open-end spinning)

单元机组成 /CONSTITUENT OF UNIT

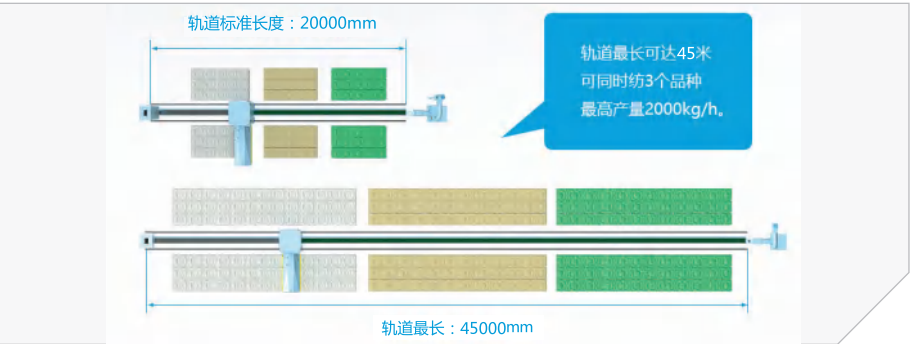
01	BG001 开包机	BG001 Series Bale opener
02	FB003 喂给机	FB003 Feeding machine
03	FT243A 输棉风机	FT243A Transport fan



JWF1011 型往复抓棉机 RECIPROCATING BALE PLUCKER



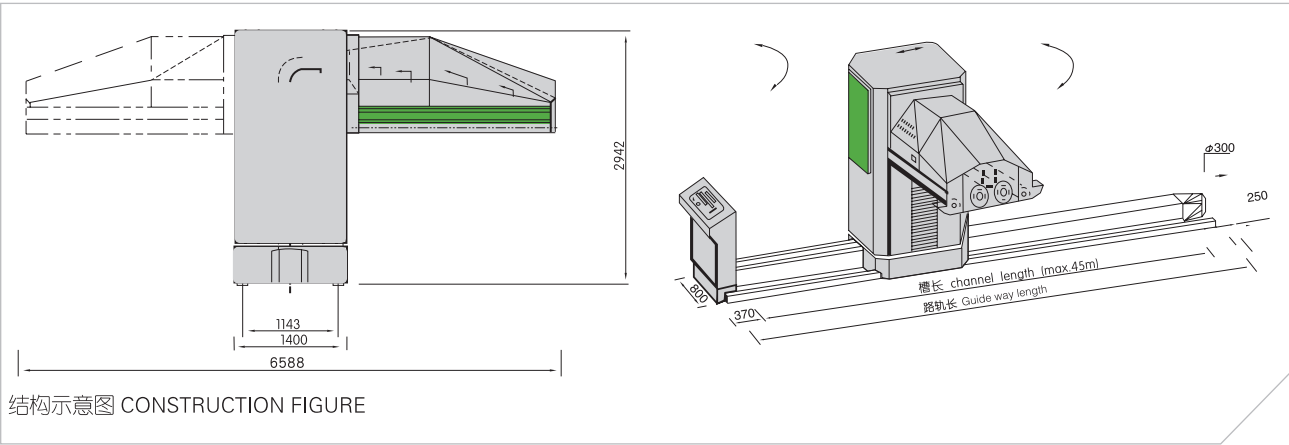
JWF1011型往复抓棉机在继承JWF1009型往复抓棉机的成熟工艺技术的基础上，对影响产量的关键部件如抓臂、吸腔、打手、栅板、压棉辊、吸槽等结构进行优化设计，以满足2000 kg/h的产量要求。
On the basis of inheriting the mature technology of JWF 1009, the key parts affecting production of JWF 1011 such as plucking arm, suction chamber, beater, grid, cotton compressing roller, suction slot etc have been designed in optimum to meet production of 2000kg/h.



打手 Beater

主要特点 MAIN FEATURES

- ☆ 增加打手刀片齿数，实现精细抓取；
- ☆ 打手采用双电机单独传动，满足产量2000kg/h的要求；
- ☆ 加大打手中心距，减少打手之间高速旋转而形成的气流的相互影响，有利于棉束的顺畅转移；
- ☆ 压棉辊采用钢板圆盘焊接圆辊，平整棉包。采用电机链条传动，跟踪塔身的运行状态，利于抓取棉束；
- ☆ 优化抓臂吸腔形状，利于吸腔吸风量均衡分布，提高棉束转移效率；
- ☆ 增大吸槽面积，适应高产棉流输送；
- ☆ 动作灵活、精准可靠，自动化智能化程度高，便于清梳联系统集成控制；
- ☆ 栅板增加高度调节功能，满足用户的不同产量需求；
- ☆ 可满足三个品种的工艺需求。
- ☆ Increased teeth of beater blade to realize fine plucking.
- ☆ Beater driven by double-motor independently to meet production of 2000kg/h.
- ☆ Enlarged beater center distance reduces the interaction of air current produced by beater high speed rotary, favorable of cotton tuft smooth transfer.
- ☆ Cotton compressing roller is welded by steel disc and driven by chain motor to track tower motion, favorable of cotton tuft plucking.
- ☆ Profile of suction chamber is optimized, favorable of air suction volume even distribution and increasing tuft transfer efficiency.
- ☆ Enlarged suction slot area is favorable of high production cotton current transportaion.
- ☆ Flexible action, reliable precision, high automation and intellectualization , ensure convenient integrated control of blowroom & card system.
- ☆ Increased grid height adjustment can meet different production requirement from user.
- ☆ Meet the technological requirement for three typies of material.



结构示意图 CONSTRUCTION FIGURE

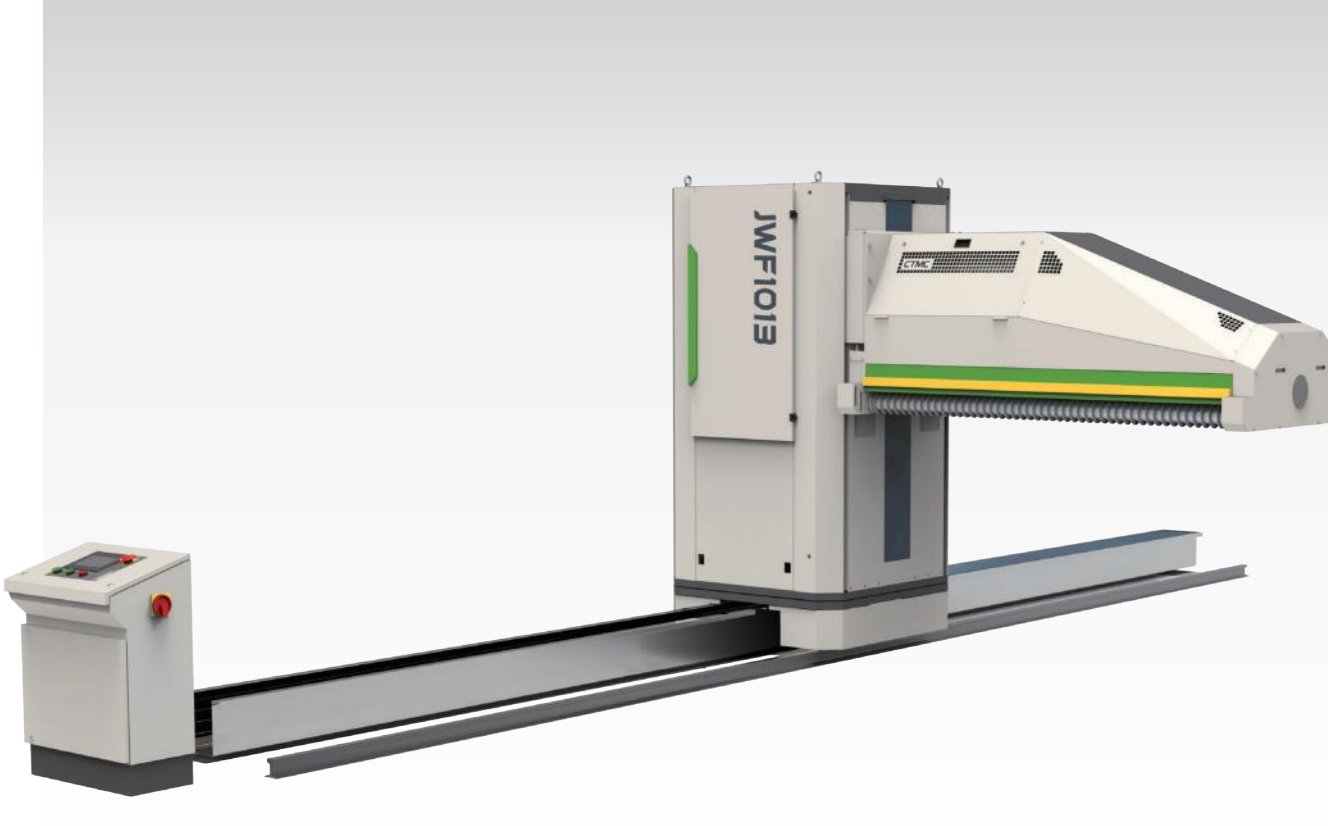
主要规格 SPECIFICATIONS

适用原料/Material suited	76mm 以下纯棉或化纤 /Pure cotton or chemical fibre below 76mm
抓臂宽度/Working width(mm)	2300
产量/Production (kg/h)	2000
棉包最大高度/The maximum bale height (m)	1.6
吸槽长度 /Suction slot length (m)	16-45
打手转速 /Beater speed (r/min)	变频调速 /Speed control by inverter
打手下降深度/Beater descending speed (mm)	0.1 ~ 20 (可调)
全机总功率/ Total power installed (kW)	11.92
打手驱动功率/ Beater driven power (kW)	8 kW (4kW/ 根)
刀片数量/Blade number(PSC)	23
全机净重/net weight(kg)	7500



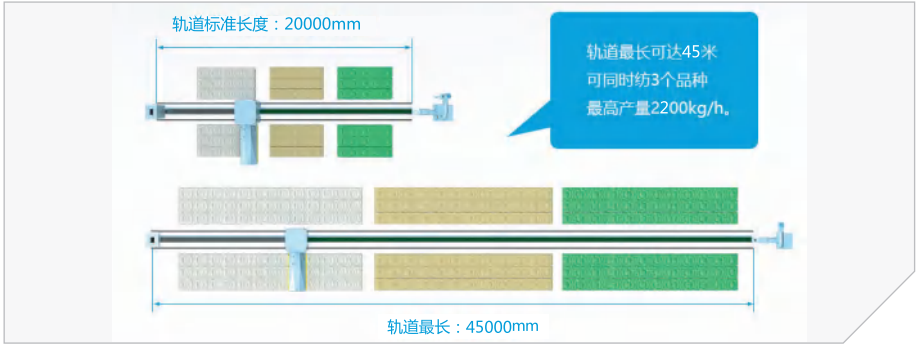
JWF1013 型往复抓棉机

RECIPROCATING BALE PLUCKER



JWF1013型往复抓棉机是青岛宏达在JWF1011型往复抓棉机基础上潜心研制，自主创新的新一代高产往复抓棉机。在继承塔身、打手、栅板、压棉辊、吸槽、覆盖带等经典成熟技术的基础上，将抓棉幅宽增加至2500mm,可以并排放置4排棉包，满足用户对节省用工及有效利用场地的需求，产量可达到2200kg/h。

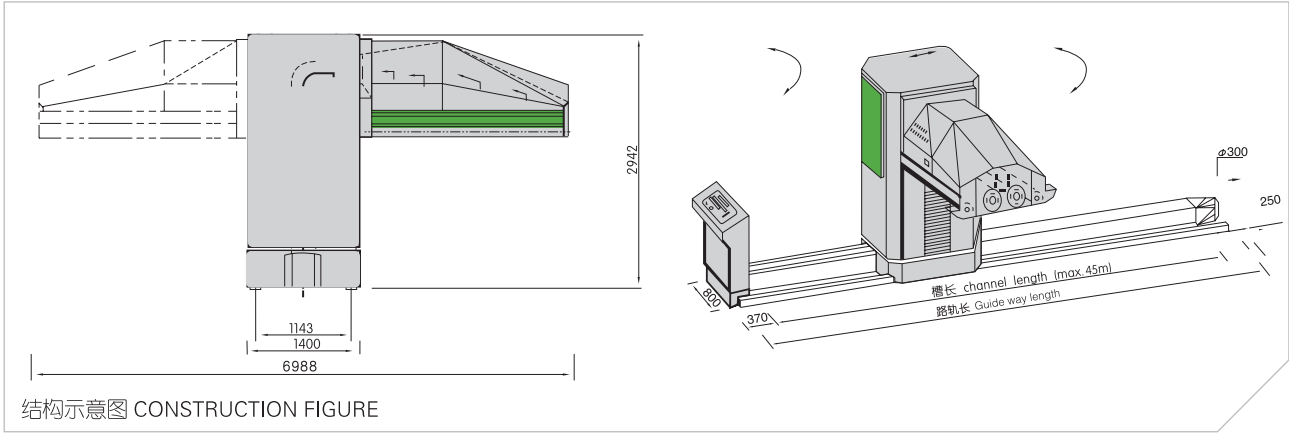
Independently innovated and developed by Qingdao Hongda on the basis of JWF1011, JWF1013 reciprocating bale plucker is a new generation of high-yield machine with production as high as 2200kg/h, After inheriting the classical mature technologies such as tower body, beater, grid, cotton pressing roller, suction slot and covering belt, the width of cotton plucking is increased to 2500 mm, and four rows of bales can be arranged side by side to meet the needs of users for saving labor and effectively utilizing the site.



打手 Beater

主要特点 MAIN FEATURES

- ☆ 轻松并排放置4排棉包，有效利用场地；
- ☆ 双电机打手单独传动，联组V带的使用提高稳定性与可靠性；
- ☆ 打手刀片齿数10齿/片，实现精细抓取的工艺要求；
- ☆ 压棉辊采用钢板圆盘焊接圆辊，抓棉前平整棉包。采用电机链条传动，跟踪塔身的运行状态，利于抓取棉束；
- ☆ 优化抓臂吸腔形状，利于吸腔吸风量均衡分布，提高棉束转移效率；
- ☆ 抓臂升降有活动平衡装置，保证升降平稳安全；
- ☆ 自动探包、寻包，自动化程度高；
- ☆ 可满足三个品种的工艺需求。
- ☆ Easy arrangement of four rows of bales side-by-side to make effective use of the site.
- ☆ Beater driven separately by dual-motor, and the use of grouped V-belt can improve stability and reliability.
- ☆ Each blade of beater is designed with 10 teeth to realize the technical requirements of fine plucking.
- ☆ The cotton pressing roll adopts round roll welded by steel plate disc for flattening bale before plucking. The motor drive is by chain to track the running state of the tower body, which is helpful to plucking the cotton bundle.
- ☆ Optimizing the shape of the suction chamber of the plucking arm is beneficial to the balanced distribution of suction volume in the chamber and improving the transfer efficiency of cotton bundles.
- ☆ Plucking arm lifting has movable balance device to ensure stable and safe lifting.
- ☆ Automatic bale searching and probing with high automation.
- ☆ Meet the technological requirement for three typies of material.

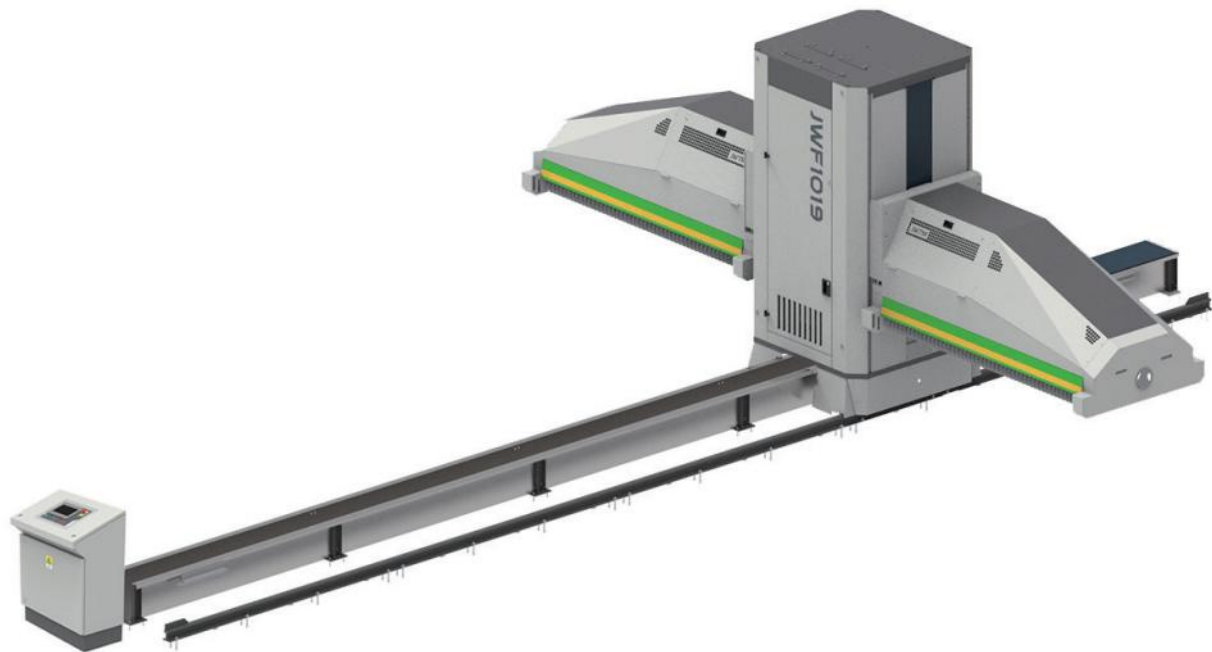


主要规格SPECIFICATIONS

适用原料/Material suited	76mm以下纯棉或化纤/Pure cotton or chemical fiber below 76mm
抓臂宽度/Working width(mm)	2500
产量(kg/h)/Production (kg/h)	2200
棉包最大高度(m)/The maximum bale height (m)	1.6
吸槽长度(m)/The maximum bale height (m)	16~45
打手转速/xBeater speed	变频调速/By inverter
打手下落深度(mm)/Beater descending depth (mm)	0.1~20(可调)/0.1~20(adjustable)
全机总功率(kW)/Total power installed kW	11.92
打手驱动功率/Beater driven power	8kw(4kw/根)/8kw(4kw/piece)
刀片数量/Blades number	25
全机净重/net weight(kg)	7500

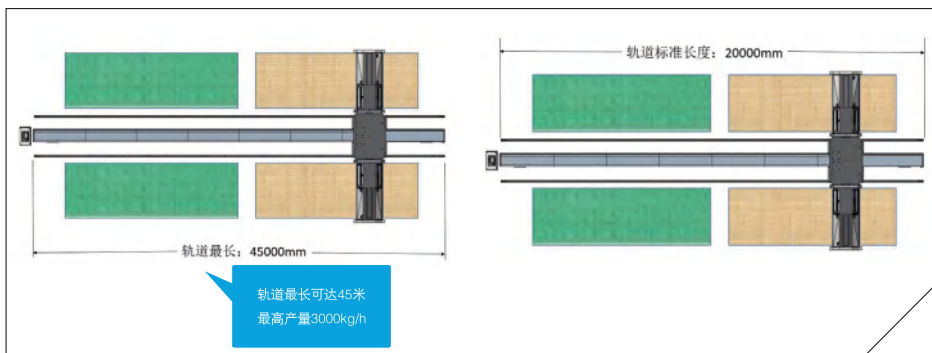
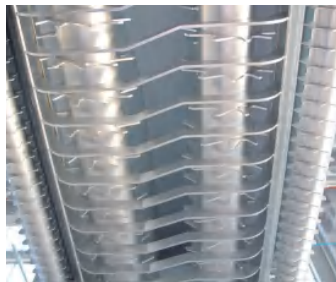


JWF1019 系列往复抓棉机 SERIES RECIPROCATING BALE PLUCKER



JWF1019型往复抓棉机是在继承JWF1013型往复抓棉机的成熟工艺技术的基础上。对影响产量的关键部件如抓臂吸腔、吸槽、覆盖带等结构进行优化设计。其中采用双臂形式是对往复抓棉机的又一项重大创新，将抓棉幅宽增加至5000mm，能够同时对8排棉包进行抓取，满足用户对节省用工及有效利用场地的需求，产量可达到3000kg/h。

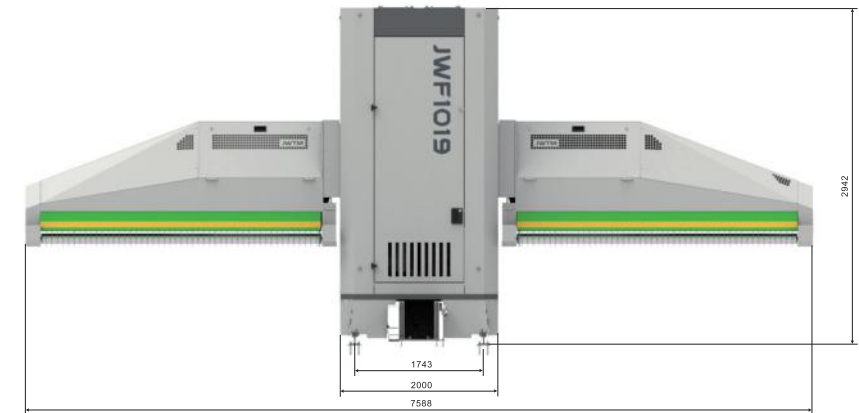
On the basis of inheriting the mature technology of JWF1013, the key parts affecting production of JWF1019 such as plucking arm, suction channel, covering belt etc. The use of dual-arm form is another major innovation of the reciprocating bale plucker, the width of cotton plucking is increased to 5000mm, and eight rows of bales can be arranged side by side to meet the needs of users for saving labor and effectively utilizing the site. The maximum output up to 3000kg/h.



打手 Beater

主要特点 MAIN FEATURES

- ☆ 突破传统抓棉理念，采用独创的双侧抓棉技术，两侧抓臂可实现独立升降控制；
 - ☆ 抓棉幅宽达到5000mm，能够同时对8排棉包进行抓取，最大产量可达3000kg/h；
 - ☆ 使用高密度刀齿的抓手辊，确保抓取的原料具有较高的开松度，同时减小纤维损伤；
 - ☆ 流体力学仿真优化的抓棉器吸腔以及输送吸槽，能够确保高产时原料的顺畅输送；
 - ☆ 抓臂升降均采用变频控制，可以随时根据生产需求调整升降速度，灵活性高；
 - ☆ 能够实现定期到备用包区平包，满足换包时的高产需求；
 - ☆ 自动探测棉包高度和位置，操作简便；
 - ☆ 根据效率自动调整产量，不仅满足后级需求，还能够达到精细抓取的要求。
- ☆ Break through the traditional concept of cotton grab, using the original two-side pluck technology, both sides of the plucking arm can achieve independent lifting control;
 - ☆ The width of cotton plucking is increased to 5000mm, 8 rows of cotton bales can be grasp at the same times, The maximum output up to 3000kg/h;
 - ☆ Using the high-density plucking roller to ensure a high degree of looseness of the plucking material while reducing fiber damage;
 - ☆ The plucking arm suction channel through optimized by hydrodynamics simulation can ensure the smooth transportation of raw materials in high production;
 - ☆ The lifting of the plucking arm adopts frequency conversion control, the lifting speed can be adjusted according to the production demand at any time, high flexibility;
 - ☆ Automatic detection of cotton bale height and position, easy to operate.
 - ☆ According to the efficiency of automatic adjustment of output, not only to meet the needs of the later stage, but also to meet the requirements of fine plucking.



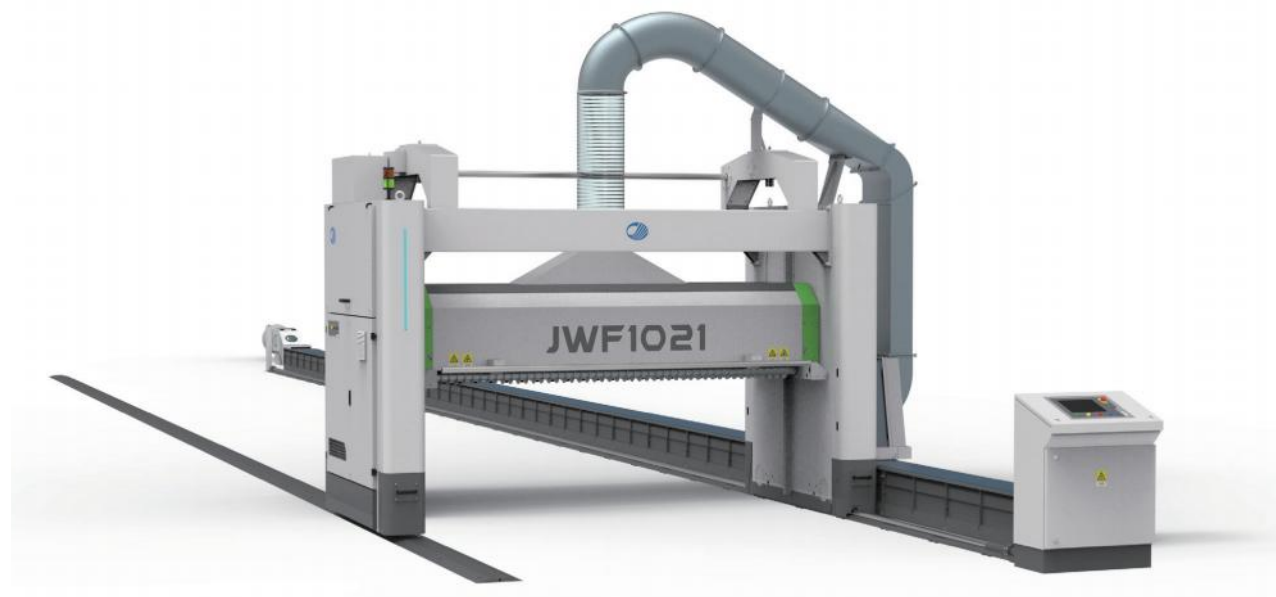
结构示意图 CONSTRUCTION FIGUR

主要规格 SPECIFICATIONS

适用原料/Material suited	76mm 以下纯棉或化纤 /Pure cotton or chemical fibre below 76mm
抓臂宽度/Working width(mm)	5000
产量/Production (kg/h)	3000
棉包最大高度/The maximum bale height (m)	1.6
吸槽长度(m)/The maximum bale height(m)	16~45
打手转速/xBeater speed	变频调速/By inverter
打手下降深度(mm)/Beater descending depth (mm)	0.1~20(可调)/0.1~20(adjustable)
全机总功率(kW/Total power installed kW)	22.35
打手驱动功率/Beater driven power	8kw(4kw/根)/8kw(4kw/piece)
刀片数量/Blades number	25/根
全机净重/net weight(kg)	约8000



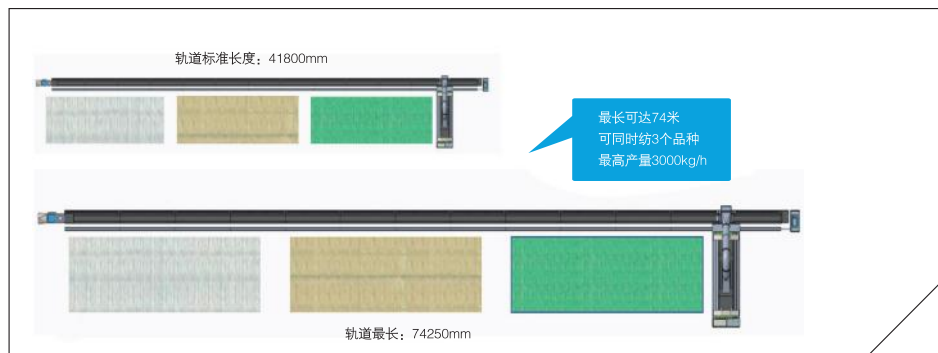
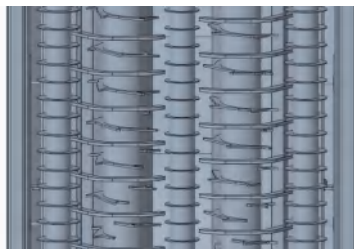
JWF1021 系列往复抓棉机 SERIES RECIPROCATING BALE PLUCKER



JWF1021系列往复抓棉机是针对传统往复抓棉机生产效率低下、占地面积大等问题全新研发的一种新型产品，整体呈门架式结构，抓棉幅宽拓展到2900mm、3500mm，能够满足现代纺织生产企业高效、高产的生产需求，最高产量可达3500kg/h。

JWF1021 Series Bale Plucker is a newly developed model designed to address the limitations of traditional reciprocating bale pluckers, such as low productivity and large floor space.

Featuring a gantry-type structure and an extended plucking width of 2900 mm or 3500 mm, it fully meets the modern spinning mills' demands for high efficiency and high output, with a maximum capacity of up to 3,500 kg/h.



打手 Beater

主要特点 MAIN FEATURES

- ☆ 门架式主体结构，排包方便，占地面积小；
 - ☆ 双打手多楔带单独传动，稳定可靠；
 - ☆ 新型抓手辊，刀齿经过重新设计和排布，抓取过程高效柔和；
 - ☆ 抓棉幅宽加大，同时抓取最多6排棉包，混棉效果显著提升；
 - ☆ 吸腔结构优化，流线型吸腔吸棉压力均匀，有利于原料的转移；
 - ☆ 全新优化的覆盖带与U型输棉风道结构，高产设计，稳定可靠、输送效率高；
 - ☆ 安全防护升级，轨道及运行方向两侧增加智能传感器，及时发现阻挡物。防碰撞+连锁报警机制；
 - ☆ 可满足三个品种的工艺需求。
-
- ☆ Portal-type structure, easy bale arrangement and compact layout.
 - ☆ Dual beater with independent multi-V belt drive, stable and reliable.
 - ☆ Redesigned plucking roller, efficient and gentle fiber plucking.
 - ☆ Wider plucking width, handles up to six bale rows, greatly improving blending efficiency.
 - ☆ Optimized suction channel, streamlined airflow for uniform suction and smooth transfer.
 - ☆ Upgraded cover belt and U-shaped conveying duct, high output and reliable delivery.
 - ☆ Upgraded safety protection with smart sensors installed along both sides of the track and operating path, enabling real-time obstacle detection and a collision-prevention interlock alarm system.
 - ☆ Supports up to three fiber varieties.

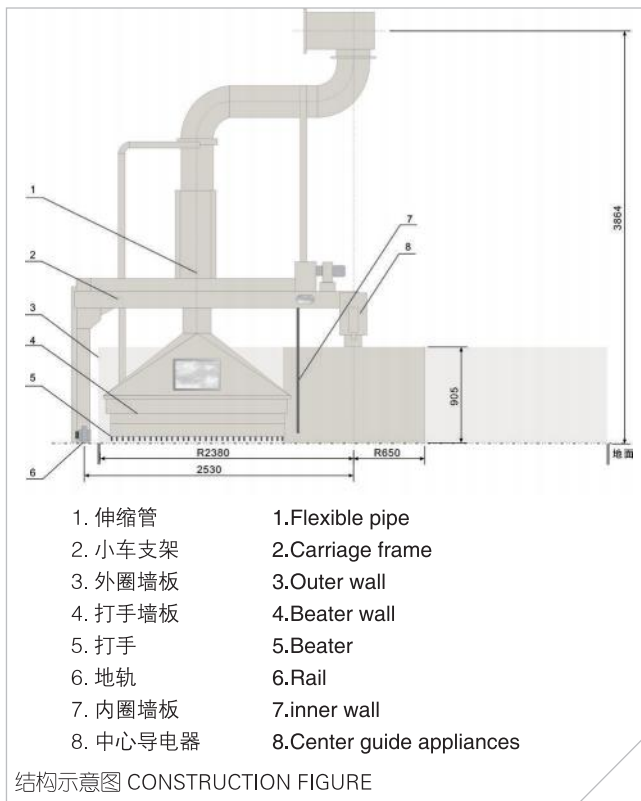


主要规格 SPECIFICATIONS

适用原料/Material suited	76mm 以下纯棉或化纤 /Pure cotton or chemical fibre below 76mm	
抓臂宽度/Working width(mm)	2900	3500
产量/Production (kg/h)	2500	3000
棉包最大高度/The maximum bale height (m)	1.6	
吸槽长度(m)/The maximum bale height(m)	9~74	
打手转速/xBeater speed	变频调速/By inverter	
打手下降深度(mm)/Beater descending depth (mm)	0.1~20(可调)/0.1~20(adjustable)	
全机总功率(kW/Total power installed kW)	26	
打手驱动功率/Beater driven power	22kw(11kw/根)/22kw(11kw/piece)	
刀片数量/Blades number	24/根	
全机净重(kg)/net weight(kg)	5500	



JWF1007 系型圆盘抓棉机 DISK PLUCKER



本机是开清棉联合机中的重要设备之一，适用于各种等级的棉、棉型化纤和中长化纤，一般配置两台并联使用。抓棉打手间隙下降并随小车回转作顺序抓取棉纤维，被抓取的棉纤维束经输棉管道送至下一台设备。

JWF1007 disk plucker is an important machine in the blowing-carding line. It is applicable for various kinds of pure cotton, cotton type chemical fiber and medium & long chemical fiber. Generally a blowing-carding line is equipped with two sets of disk pluckers. Plucking beater goes down interval and rotates with the carriage to pluck the material in sequence. Material plucked is transported to the next machine via duct.

主要规格 SPECIFICATIONS

机型/type	JWF1007	JWF1007-60
产量（公斤/小时）/production (kg/h)	800	1000
堆放棉包重量（公斤）/loading capacity (kg)	4000(2台)	7000(2台)
外圈墙板直径（毫米）/outer wall diameter (mm)	Φ4760	Φ6266
内圈墙板直径（毫米）/inner wall diameter (mm)	Φ1300	Φ1300
小车回转速度（转/每分）/speed of carriage (r/min)	1.6~2.2	1.16~1.66
打手转速（转/分）/beater speed (r/min)	740	720、871
刀片伸出肋条距离（毫米）/blade extension from grid (mm)	2.5~7.5(可调式)	1.5~9.5(可调式)
地轨外径（毫米）/rail diameter (mm)	Φ5132	Φ6622
出棉管中心高度（毫米）/height (mm)	3864	3864
全机功率（千瓦）/power (kw)	4.1	6.1
全机净重（公斤）/net weight (kg)	约1600	约2500



JWF0007-70/90 型重物分离器 WEIGHT SEPARATOR

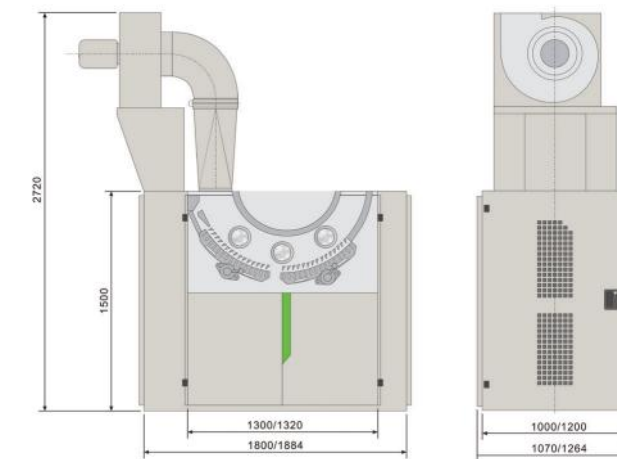


JWF0007-70/-90型重物分离器主要用于开清联合机抓包机之后单轴流之前，利用离心力去除气流送棉中比纤维束重的杂质，同时减少可纺纤维的损失。本机无运动部件，其除杂功能主要依靠由两组尘棒(每组各10根尘棒)和托板组成的U型管道来分离杂质，两组尘棒可在机外调节，当棉流撞击尘棒时，重杂从尘棒间落入吸尘管道中。本机适用于纤维长度小于76mm 的场合。

JWF0007-70/90 weight separator is erected between bale plucker and single roller cleaner, for removing trash heavier than fiber with the help of centrifugal force meanwhile reducing fiber loss. This machine does not have motion parts whose dust removal function relies on two groups of grid bar (each group contains 10 bars) and U-shape pipe. Two groups of grid bar can be adjusted outside of machine. When cotton current knock grid bars, heavier trash drop through grid bars to dust suction duct. Fiber length less than 76 mm can be used in this machine.

主要特点 MAIN FEATURES

- ☆ 无动力除杂，尘棒角度可灵活调节；
- ☆ 输棉风机直接安装于本机上，节省了支架和占地面积。
- ☆ Power free trash removing,easily adjustable angle of grid bar.
- ☆ Transporting fan is erected in JWF0007 directly which save bracket and area occupation.



主要规格 SPECIFICATIONS

机型/Type	JWF0007-70	JWF0007-90
工作宽度/Working width (mm)	700	900
产量/Production(kg/h)	1800	2200
外型尺寸(长×宽×高)/Overall dimension(L x W x H) (mm)	1800x1000x2720	1884x1200x3665
机器净重/Net weight (kg)	400	580



JWF1107/JWF1109 型单轴流开棉机 SINGLE ROLLER CLEANER

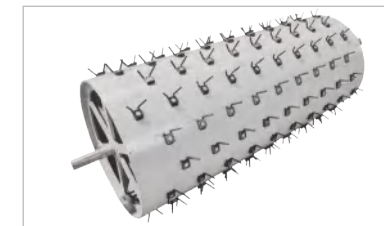
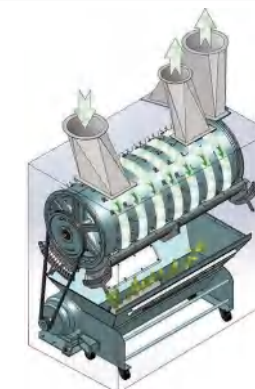
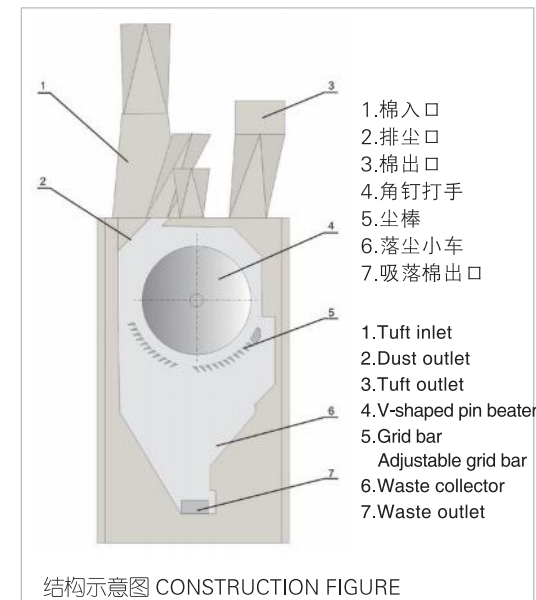
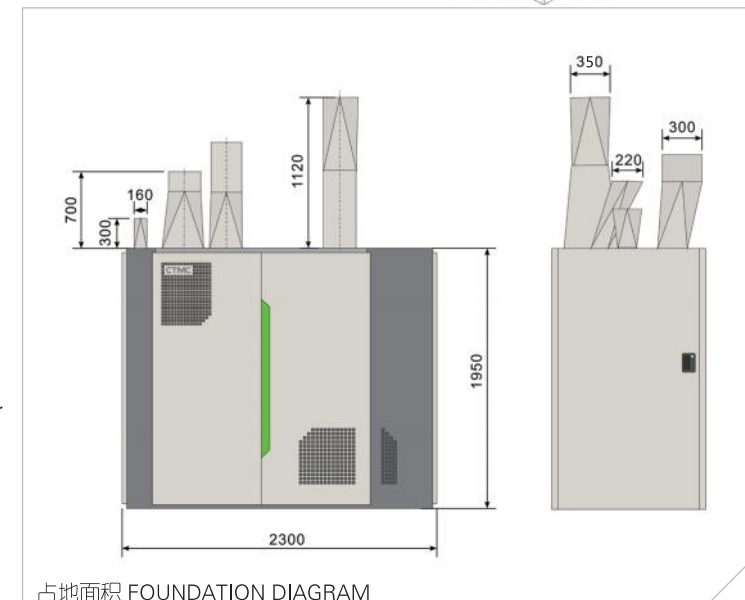


JWF1107/JWF1109型单轴流开棉机适用于各种等级的原棉的处理，是一台高效的预清棉设备。进入本机的原料，经排除微尘后，在自由状态下经受多次均匀、柔和的弹打，使之得到充分开松，在开松过程中将杂质与纤维分离，杂质经尘棒排除，开松除杂质后的纤维经输棉管道送入下道工序。

JWF1107/JWF1109 Single Roller Cleaner is an efficient pre-opener and cleaner, applicable for various kinds of raw cotton. Material inside is opened sufficiently after repetitive flexible and gentle beat. During opening, impurities are separated from the material. Material opened and purified is transported to the next process via the transporting duct.

主要特点 MAIN FEATURES

- ☆ 无握持开松，不损伤纤维；
- ☆ V形角钉富有弹性，开松柔和充分，除杂效率高；
- ☆ 打手调速可通过变换皮带轮或变频实现；
- ☆ 尘棒隔距可手动调节，满足不同的工艺要求；
- ☆ 可供选择的间歇或连续式吸落棉装置；
- ☆ 特殊设计进出棉及排风结构，提高排杂效果。
- ☆ The material is opened without being gripped, which greatly decreases fiber damages.
- ☆ The springy V-shaped pins can open the material gently and sufficiently, removing the impurities efficiently.
- ☆ The speed of the beater can be changed by the pulley or the inverter motor.
- ☆ Grid bar gauges can be manually adjusted, meeting various technological requirements.
- ☆ Either intermittent or continuous waste-collecting device can be equipped.
- ☆ The specially designed structure improves the removing of the dust and the short fiber.



主要规格 SPECIFICATIONS

机型/Type	JWF1107	JWF1109
工作宽度/Working width(mm)	1600	
产量/Production(kg/h)	1200	1800
角钉打手直径/V-shaped pin Beater diameter (mm)	Φ 740	
角钉打手/V-shaped pin Beater	变频调速/Control by inverter	
角钉数量/Pins number	152	216
装机功率/Installed power (kw)	11	
外形尺寸(长x宽x高)/Overall dimension(LxWxH)(mm)	2300 x 1150 x 1950 (若加管道高度为2450/Added tuft: overall height 2450)	
机器净重/Net weight(kg)	1500	
导流板圈数/Flow guide plate circle number	7.5	5.5



JWF1111 轴流开棉机

Axial flow opener



为满足清梳联纺机采棉高产量、高除杂效率的市场需求，青岛宏大经过多年潜心研究，自主创新，开发出了全新概念的并联式轴流开棉机。在最高3000kg/h产量的情况下，该机型能够确保充分的开松度及高效的除杂效率，突破了传统清梳联工艺原理，进一步提高了开棉工序在清梳联流程中早落少碎的工艺效果。

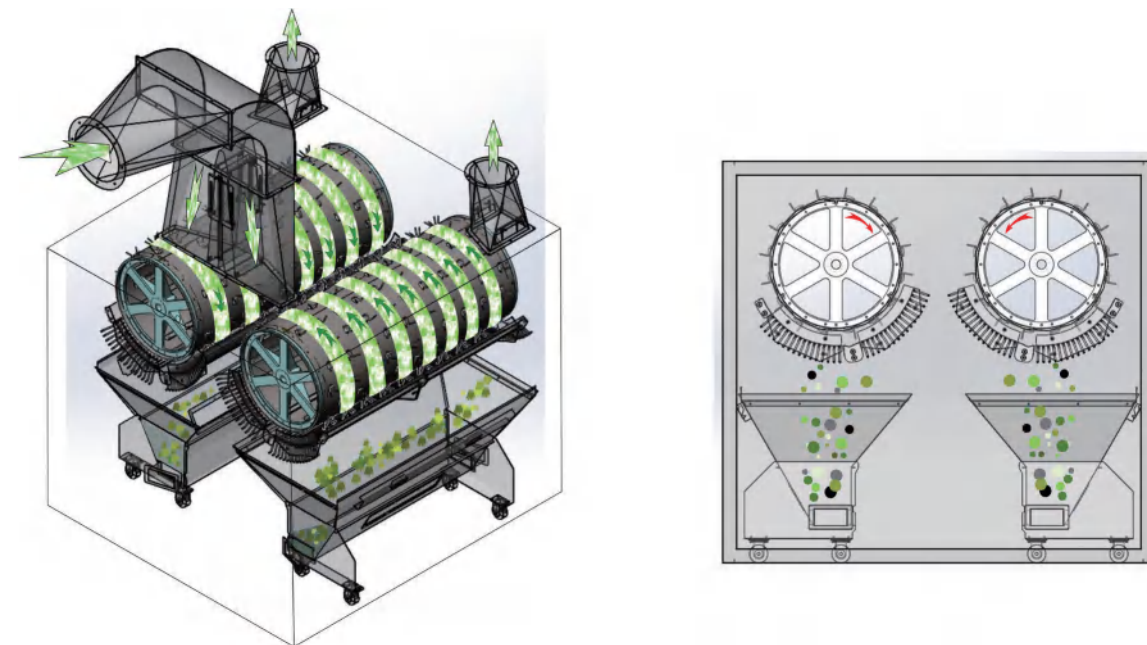
In order to meet the market demand of high cotton production and high impurity removal efficiency for Blowing&Carding machinery,Qingdao Hongda has developed a new concept parallel axial flow cotton opener after years of research and independent innovation.Under the condition of up to 3000 kg/h output,the machine can ensure full opening and high efficiency of removing impurity,which break through the traditional carding process principle,and further improve the process effect of early dropping and less crushing in the cotton opening process.



主要特点 MAIN FEATURES

- ☆ 开棉产量高，最高可达3000kg/h;
- ☆ 纤维损伤少，无握持开松，自由打击;
- ☆ 开松柔和，V形角钉富有弹性;
- ☆ 除杂效率高，开松除杂机构并联设计，传承经典单轴流开松除杂原理;
- ☆ 棉流输送通畅，进出棉通道并联设计;
- ☆ 排尘、排杂效果好，免维护，排尘、排杂结构一体化设计;
- ☆ 工艺调整方便，打手速度、尘棒隔距在线可调;
- ☆ 节省占地面积，节约投资成本。
- ☆ High cotton opening output-up to 3000kg/h.
- ☆ Opening free of holding and free beating ensuring less fiber damage.
- ☆ Soft opening due to springy V-shape pins.
- ☆ High efficiency of removing impurity; parallel design of opening-impurity removal mechanism, inheriting the classical opening-impurity removal principle of uniaxial flow opener.
- ☆ Unobstructed cotton flow duct and parallel design of cotton entry/exit channel.
- ☆ Better dust and impurity removal efficiency,free of maintenance,integrated designed dust and impurity removal mechanism.
- ☆ Convenient technology adjustment, beater speed and bar gauge adjustable on line.
- ☆ Saving area occupation and investment cost.

开松除杂原理图 FIGURE OF OPENING AND IMPURITY REMOVAL PRINCIPLE



主要规格 SPECIFICATIONS

工作宽度(mm)/Working width (mm)	1600
产量 (kg/h) /Production (kg/h)	3000
打手数量(个)/Beater number(piece)	2
角钉打手直径(mm)/Spiked beater diameter(mm)	Φ740
角钉打手转速(r/min)/Spiked beater speed (r/min)	360~1000(变频调速)/(vector)
装机功率(Kw)/Power installed (Kw)	22
外形尺寸 (长x宽x高) (mm)/Dimension (LxWxH) (mm)	2390x2210x1970
机器净重 (kg) /Machine net weight (kg)	3000



JWF1027 系列多仓混棉机 SERIES MULTI-MIXER



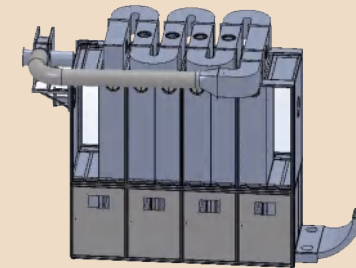
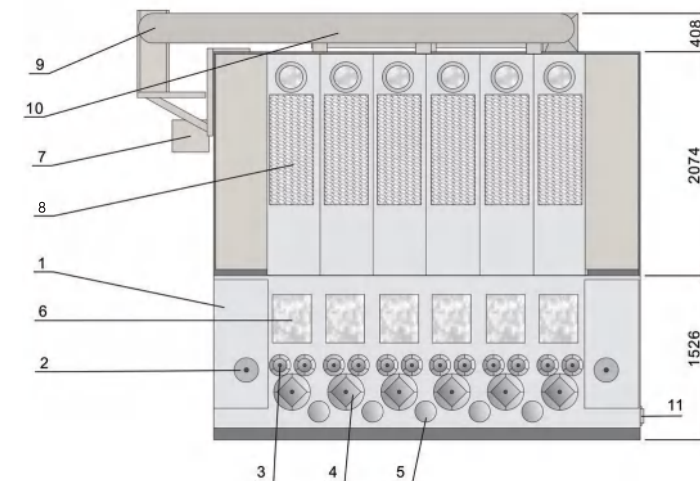
本机适用于棉、化纤及其混纺的混合。原料喂入本机后，在气流的作用下，被均匀的吹入各棉仓，形成气流混合；通过各仓隔底部输出罗拉的不同输出速度，实现差速混合。同时，较大的储棉量有利于后续设备稳定供棉。

This machine is suitable for cotton, chemical fiber and its blends. Under the action of airflow, material entered into this machine is uniformly blown to each chamber to form air mixing. The different speed mixing of JWF1027 is realized through the different output speed of each roller at the bottom of every chamber. Meanwhile large cotton storage capacity is conducive to the stable cotton supply of the follow-up equipment.



主要特点 MAIN FEATURES

- ★ 原料通过S型管道喂入，落棉均匀、顺畅。
- ★ 储棉量大，每个仓储棉量约100kg。
- ★ 产量高，最高可达1200kg/h。
- ★ 机器结构简单，故障点少，更高的稳定可靠性。
- ★ 占地面积小。
- ★ Raw material being fed to the chamber via S type pipe to make cotton drop uniform and smooth.
- ★ Large cotton storage capacity with about 100kg in each chamber.
- ★ High production up to 1200kg/h.
- ★ Simple machine structure with fewer fault point and higher reliability.
- ★ Little area occupation.



结构示意图 CONSTRUCTION FIGURE

- | | |
|----------|---------------------|
| 1. 控制箱 | 1. Control Box |
| 2. 打手机 | 2. Beater Motor |
| 3. 给棉罗拉 | 3. Feed Roller |
| 4. 打手 | 4. Beater |
| 5. 视窗 | 5. Window |
| 6. 观察窗 | 6. Observing Window |
| 7. 排风口 | 7. Air Exit |
| 8. 网板 | 8. Grid |
| 9. 原料入口 | 9. Material Inlet |
| 10. S型管道 | 10. S Type Pipe |
| 11. 原料出口 | 11. Material Outlet |

主要规格 SPECIFICATIONS

机型/Type	JWF1027-4	JWF1027-6	JWF1027-8
储棉仓数量/Chambers	4	6	8
适用原料/Applications	纯棉、化纤及混纺 /Pure cotton, chemical fiber and blends		
工作宽度/Working width(mm)	1200	1200/1600	1200/1600
产量/Production(kg/h)	600	900/1200	1200/1500
装机功率/Installed power(kW)	8.15	12.6	14.4
给棉罗拉直径/Feed roller diameter (mm)	Φ180		
给棉罗拉转速/Feed roller speed(r/min)	变频调速 / Adjusted by inverter		
打手直径/Beater diameter(mm)	Φ330		
打手转速/Beater speed(r/min)	450 , 504 , 546		
外形尺寸(LxWxH)/Overall dimension(mm)	2500x1640x4200	4000x1640(2040)x4200	5000x1640(2040)x4200
重量/Weight(1000kg)	3	4	5



JWF1029 系列多仓混棉机 SERIES MULTI-MIXER



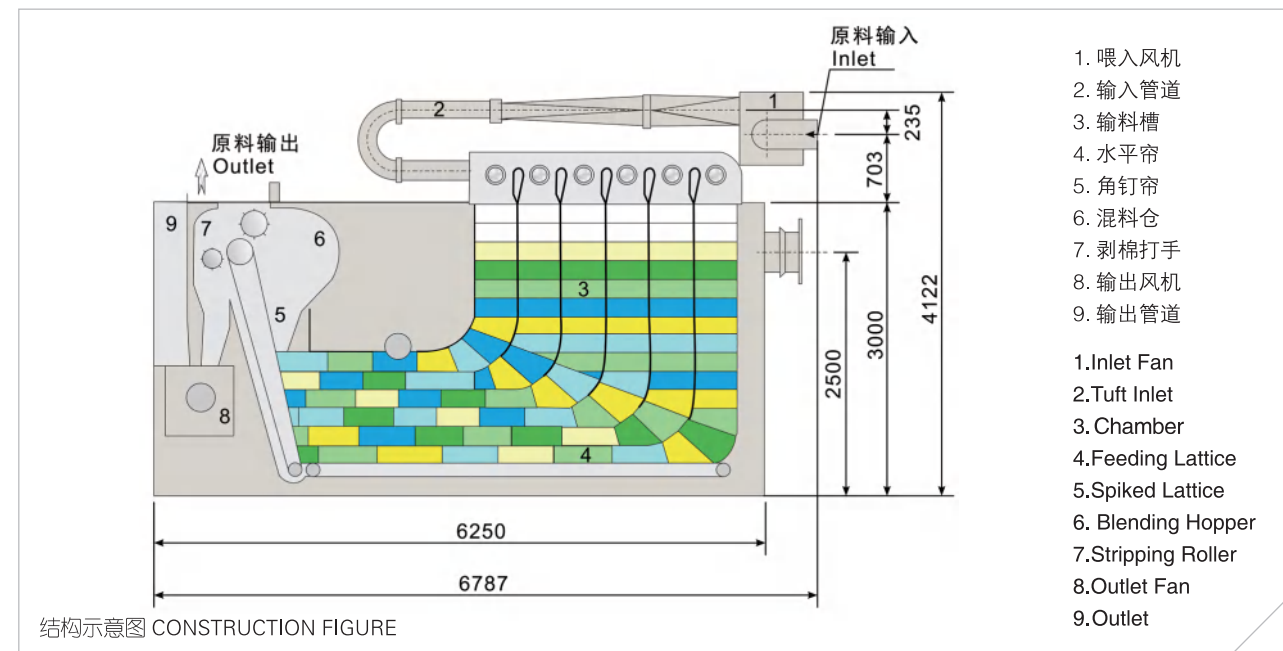
本机适用于棉、化纤及其混纺的混合。原料喂入本机后，在气流作用下，被均匀地吹入各个棉仓，形成气流混合；各仓纤维层经90度转弯输送，利用其路程差获得再次混和；过量纤维被抛入混棉室，达到细致混和。

The machine is used for blending cotton, chemical fiber or blends. After fiber is fed into the machine, the airflow blows it into every chamber evenly to form an airflow blending. The fiber in every chamber is conveyed in a 90° turn, achieving the second-round blending due to the distance difference. The excessive fiber is thrown into the blending room to attain fine mixture.



主要特点 MAIN FEATURES

- ★ 强化的三重混合作用，实现原料的均匀混合；
- ★ 6或8个混棉仓使混棉更充分，储棉量更大；
- ★ 角钉帘输送原棉采用智能PID控制方式，供棉均匀、稳定、不间断；
- ★ 平帘实行变频调速，有利于系统连续喂棉的控制；
- ★ 整机采用智能启动、运行的控制方式，入口风机由本机控制，有利于节能降耗；
- ★ 棉仓压力自动检测，智能控制、调节抓包机的输棉量。
- ★ The tripartite blending ensures the uniform mixing of the material.
- ★ The structure of six or eight chamber makes the mixing evener and storage capacity bigger.
- ★ Cotton transportation by the spiked lattice is controlled by the intellectual PID, ensuring the even, stable and continuous cotton supply.
- ★ The speed of the feeding lattice is controlled by the inverter, favorable for controlling the continuous feeding of the system.
- ★ The whole machine is intellectually started and operated. The entrance fan is controlled by the machine itself, favorable for energy conservation.
- ★ The pressure in the chambers is automatically detected, thus adjusting the plucking amount of the plucker.



主要规格 SPECIFICATIONS

机型/Type	JWF1029	JWF1029-160
仓数/Chambers	6	6
工作宽度/Working width(mm)	1200	1600
产量/Production(kg/h)	1000	1400
角钉帘线速度/Linear speed of spike lattice(m/min)	14.4~151.2	
输送带线速度/Linear speed of conveyor(m/min)	0.08~1.18	
均棉罗拉转速/Speed of the evener roller(r/min)	582,726,882	
剥棉罗拉转速/Speed of the stripping roller(r/min)	412,512,686	
装机功率(含入口风机)/Installed power(input fan included)(kW)	9.99	10.55
外形尺寸(LxWxH)/Overall dimension(mm)	6787x1618x4122	6787x2018x4122
机器净重/Net weight(kg)	约/About 5800	约/About 6300



JWF1033 系列多仓混棉机 SERIES MULTI-MIXER

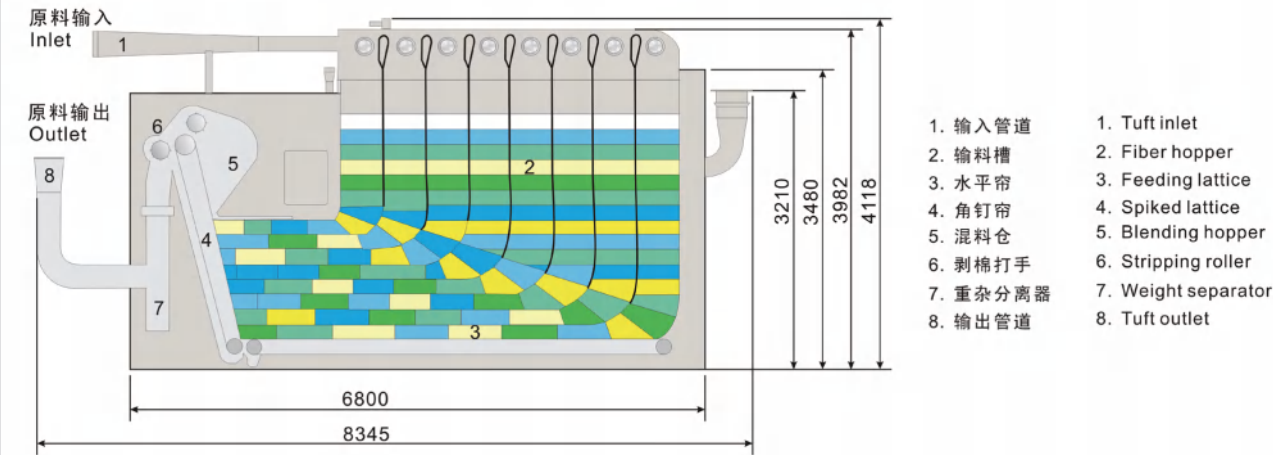


本机适用于棉、化纤及其混纺的混合。原料喂入本机后，在气流作用下，被均匀地吹入各个棉仓，形成气流混合；各仓纤维层经90度转弯输送，利用其路程差获得再次混和；过量纤维被抛入混棉室，达到细致混和。

The machine is used for blending cotton, chemical fiber or blends. After fiber is fed into the machine, the airflow blows it into every chamber evenly to form an airflow blending. The fiber in every chamber is conveyed in a 90° turn, achieving the second-round blending due to the distance difference. The excessive fiber is thrown into the blending room to attain fine mixture.

主要特点 MAIN FEATURES

- ★ 强化的三重混合作用，实现原料的均匀混合；
- ★ 8个混棉仓仓间距加大，混棉更充分，储棉量更大；
- ★ 角钉帘输送原棉采用智能PID控制方式，供棉均匀、稳定、不间断；
- ★ 平帘实行变频调速，有利于系统连续喂棉的控制；
- ★ 整机智能控制、参数自动化调整，实现生产效率最大化；
- ★ 新型多点式棉仓压力检测，智能控制、调节抓包机的输棉量。
- ★ The tripartite blending ensures the uniform mixing of the material.
- ★ The increased space between the 8 chambers makes the mixing evener and storage capacity bigger.
- ★ Cotton transportation by the spiked lattice is controlled by the intellectual PID, ensuring the even, stable and continuous cotton supply.
- ★ The speed of the feeding lattice is controlled by the inverter, favorable for controlling the continuous feeding of the system.
- ★ The intelligent control of the whole machine and the automatic parameter adjustment maximize the production efficiency;
- ★ New multi-point chamber pressure detection system intelligently controls and adjusts the plucking amount of the plucker.



结构示意图 CONSTRUCTION FIGURE

主要规格 SPECIFICATIONS

机型/Type	JWF1033
仓数/Chambers	8
工作宽度/Working width(mm)	1600
产量/Production(kg/h)	1600
角钉帘线速度/Linear speed of spike lattice(m/min)	20.1~115.7
输送带线速度/Linear speed of conveyor(m/min)	0.12~1.15
均棉罗拉转速/Speed of the evener roller(r/min)	620,720,760
剥棉罗拉转速/Speed of the stripping roller(r/min)	760
装机功率(含入口风机)/Installed power(input fan included)(kW)	13.6
外形尺寸(LxWxH)/Overall dimension(mm)	8345x2000x4033
机器净重/Net weight(kg)	约/About 7200



JWF1039 系列多仓混棉机 SERIES MULTI-MIXER



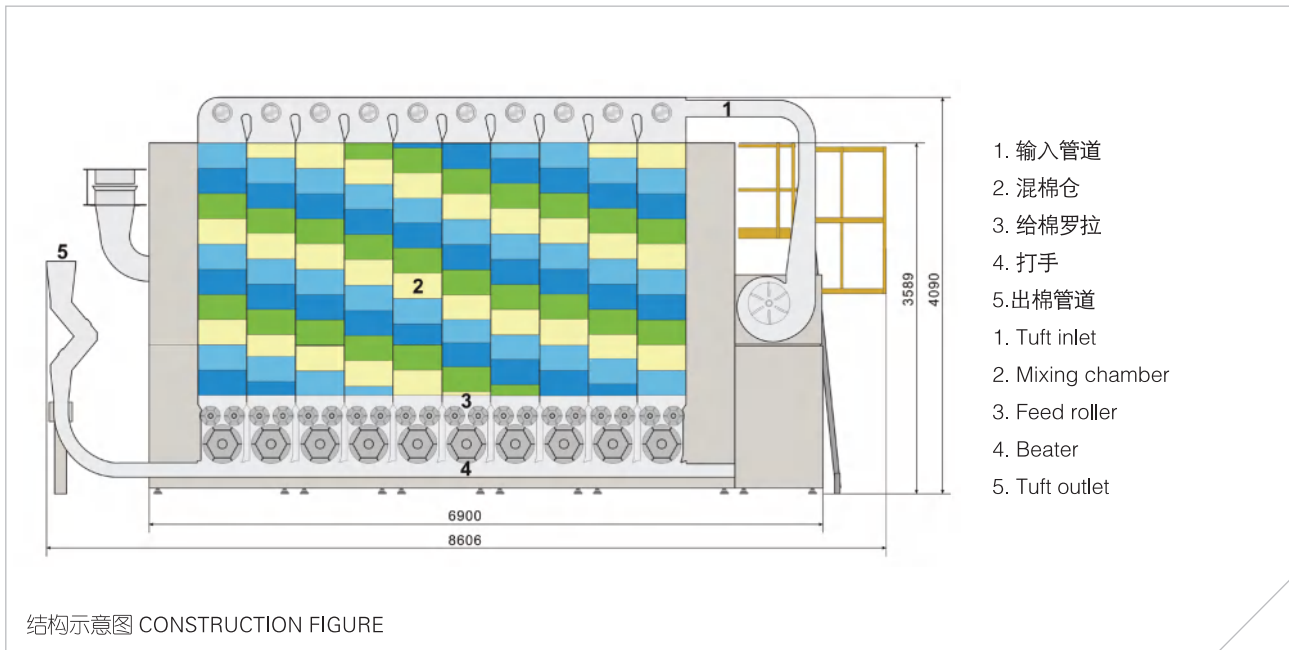
本机适用于棉、化纤及其混纺的混合。原料喂入本机后，在气流的作用下，被均匀的吹入各棉仓，形成气流混合；通过各仓底部输出罗拉的不同输出速度，实现差速混合。同时，较大的储棉量有利于后续设备稳定供棉。

This machine is suitable for cotton, chemical fiber and its blends. Under the action of airflow, material entered into this machine is uniformly blown to each chamber to form air mixing. The different speed mixing of JWF1039 is realized through the different output speed of each roller at the bottom of every chamber. Meanwhile, large cotton storage capacity is conducive to the stable cotton supply of the follow-up equipment.

主要特点 MAIN FEATURES

- ★ 原料直线喂入，产量最高可达2000kg/h；
- ★ 模块化设计，可灵活组合混棉仓数量，满足不同的混棉需求；
- ★ 给棉及打手均采用变频控制，适应不同工艺要求；
- ★ 机器结构稳定可靠，易维护性强；
- ★ 整机智能化控制，配置操作平台。

- ★ Raw materials are fed in a straight line, with a maximum production capacity of up to 2000kg/h.
- ★ Modular design allows for flexible combination of mixing chambers to meet different requirements.
- ★ Both the feed roller and the beater are equipped with frequency control to adapt to different process.
- ★ The machine structure is stable and reliable, with strong maintainability.
- ★ Intelligent control of the entire machine, equipped with an operation platform.



主要规格 SPECIFICATIONS

机型/Type	JWF1039			
储棉仓数量/Chambers	4	6	8	10
工作宽度/Working width(mm)	1600			
产量/Production(kg/h)	800	1200	1600	2000
装机功率/Installed power(kW)	11.75	12.5	14.5	14.5
给棉罗拉直径/Feed roller diameter(mm)	φ 200			
给棉罗拉转速/Feed roller speed(r/min)	变频调速 / Adjusted by inverter			
打手直径/Beater diameter(mm)	φ 400			
打手转速/Beater speed(r/min)	变频调速 / Adjusted by inverter			
外形尺寸(LxWxH)/Overall dimension(mm)	3900X2100X4090	4900X2100X4090	5900X2100X4090	6900X2100X4090
重量/Weight(kg)	4150	5450	6750	8050



JWF1039A 系列多仓混棉机 SERIES MULTI-MIXER

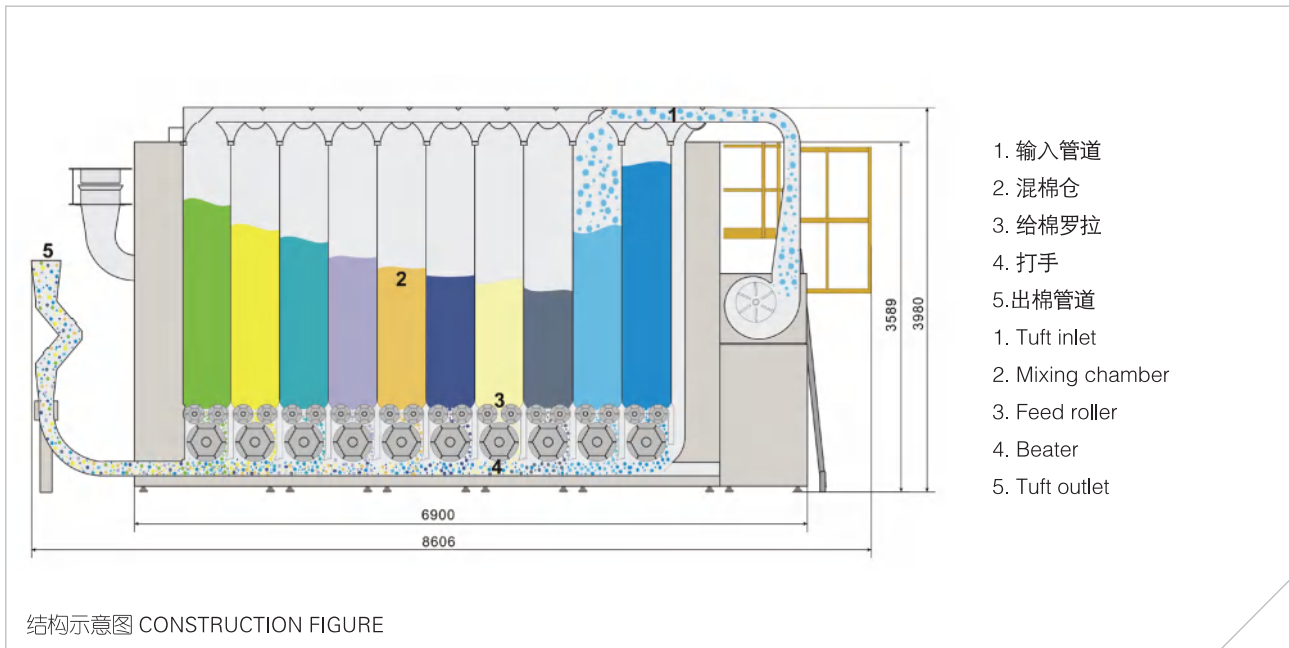


本机适用于棉、化纤及其混纺的混合。采用“分仓喂入、同时输出”的混棉原理，实现纤维间均匀混合。打手、给棉罗拉等关键零件防缠绕设计，结构简单、可靠。同时，较大的储棉量有利于后续设备稳定供棉。

This machine is suitable for blending cotton, chemical fiber, and their blends. It adopts the "separate feeding and simultaneous output" principle for fiber mixing, achieving uniform mixing between fibers. The key components such as the beater and the feed roller are designed to prevent entanglement, with a simple and reliable structure. Meanwhile, large cotton storage capacity is conducive to the stable cotton supply of the follow-up equipment.

主要特点 MAIN FEATURES

- ★ 逐仓喂入、同时输出，产量最高可达2000kg/h；
 - ★ 模块化设计，可灵活组合混棉仓数量，满足不同的混棉需求；
 - ★ 给棉及打手均采用变频控制，适应不同工艺要求；
 - ★ 机器结构稳定可靠，易维护性强；
 - ★ 整机智能化控制，配置操作平台。
-
- ★ Feeding into separate silos and discharging simultaneously, with a maximum output of up to 2000kg/h.
 - ★ Modular design allows for flexible combination of cotton blending bins.
 - ★ Both the feed roller and the beating hand are equipped with frequency control.
 - ★ The speed of the feeding lattice is controlled by the inverter, favorable for controlling the continuous feeding of the system.
 - ★ Intelligent control of the entire machine, equipped with an operation platform.

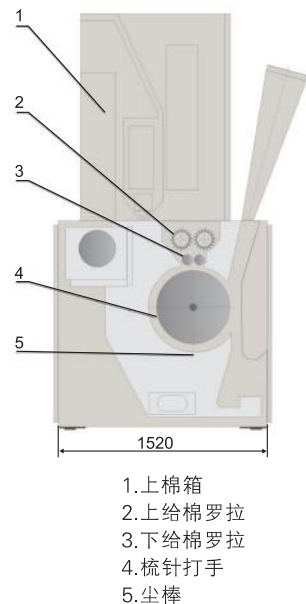
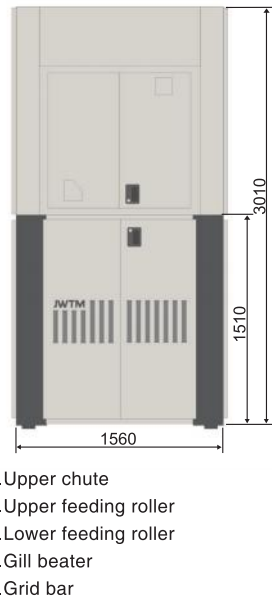


主要规格 SPECIFICATIONS

机型/Type	JWF1039A			
仓数/Chambers	4	6	8	10
工作宽度/Working width(mm)	1600			
产量/Production(kg/h)	800	1200	1600	2000
装机功率(含入口风机)/Installed power(input fan included)(kW)	11.75	12.5	14.5	14.5
压缩空气压力/Compressed air pressure (MPa)	压力6~7kg/cm ² ，空气消耗0.047m ³ /h			
给棉罗拉直径/Feed roller diameter(mm)	φ 200			
给棉罗拉转速/Feed roller speed(r/min)	变频调速 / Adjusted by inverter			
打手直径/Beater diameter(mm)	φ 400			
打手转速/Beater speed(r/min)	变频调速 / Adjusted by inverter			
外形尺寸(LxWxH)/Overall dimension(mm)	3900X2100X3980	4900X2100X3980	5900X2100X3980	6900X2100X3980
重量/Weight(kg)	4300	5700	7100	8500



JWF1117 系列精开棉机 SERIES FINE OPENER



结构示意图 CONSTRUCTION FIGURE

本机是开清棉设备之一，其作用是对经过初步开松的原棉及化纤进一步开松和除杂。

This machine is one of the opening and blowing equipment. It is mainly used in fine opening and remove impurities of the raw cotton and chemical fiber after preliminary opening.

主要特点 MAIN FEATURES

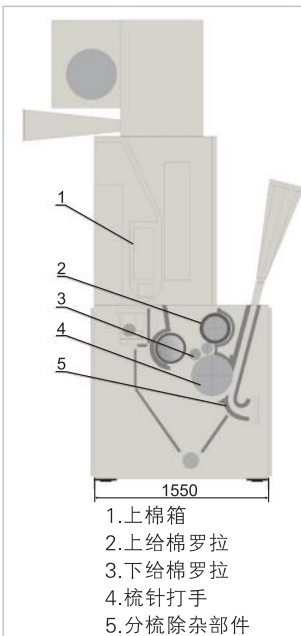
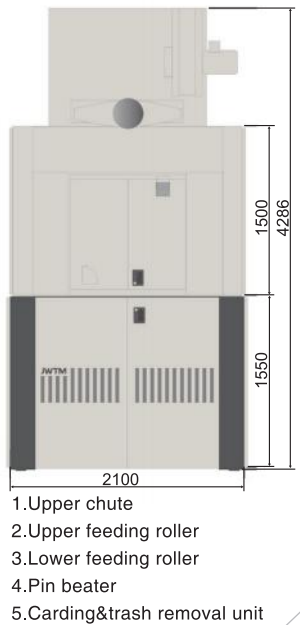
- ☆ 棉箱储棉高度大且采用排风工艺，增大储棉量，供棉更加稳定；
- ☆ 给棉罗拉采用机械和电气双重限位保护，保证设备安全；
- ☆ 大直径梳针打手柔和开松，开松效果好；
- ☆ 除尘刀或尘棒灵活配置（尘棒隔距可手动或电动调节），高效除杂。
- ☆ Large chute capacity with air-exhaust design for greater storage and stable feeding.
- ☆ Dual mechanical and electrical limit protection for feed rollers, ensuring safety and reliability.
- ☆ Large-diameter pin beater for gentle and efficient opening.
- ☆ Mote knife or grid bar flexibly configured, with adjustable gauging (manual or electric) for efficient cleaning.

主要规格 SPECIFICATIONS

机型/Type	JWF1117	JWF1117-160
工作幅宽/Working width (mm)	1060	1600
产量/Output (Kg/h)	1000	1600
适用原料/Material suited	76mm以下的天然和人造纤维/Natural and man-made fiber in length less than 76mm	
给棉罗拉转速/Feed roller speed (r/min)	18~85	
梳针打手转速/Pin beater speed(r/min)	(可选配变频/(Option:Inverter)	
装机功率/Installed power (KW)	3.55	5.1
外形尺寸(长x宽x高)/ dimension (L x W x H) (mm)	1560x1520x3010	2100x1520x3010
重量(kg)/Weight(kg)	1390	1820



JWF1125 型精清棉机 FINE CLEANER



结构示意图 CONSTRUCTION FIGURE

该机型是针对机采棉的特性潜心研制，自主创新的高产、高除杂效率设备。

Aiming at the characteristics of machine taking cotton, JWF1125 fine cleaner is a specially developed, independently innovated machinery with high production and high impurity removal efficiency.

主要特点 MAIN FEATURES

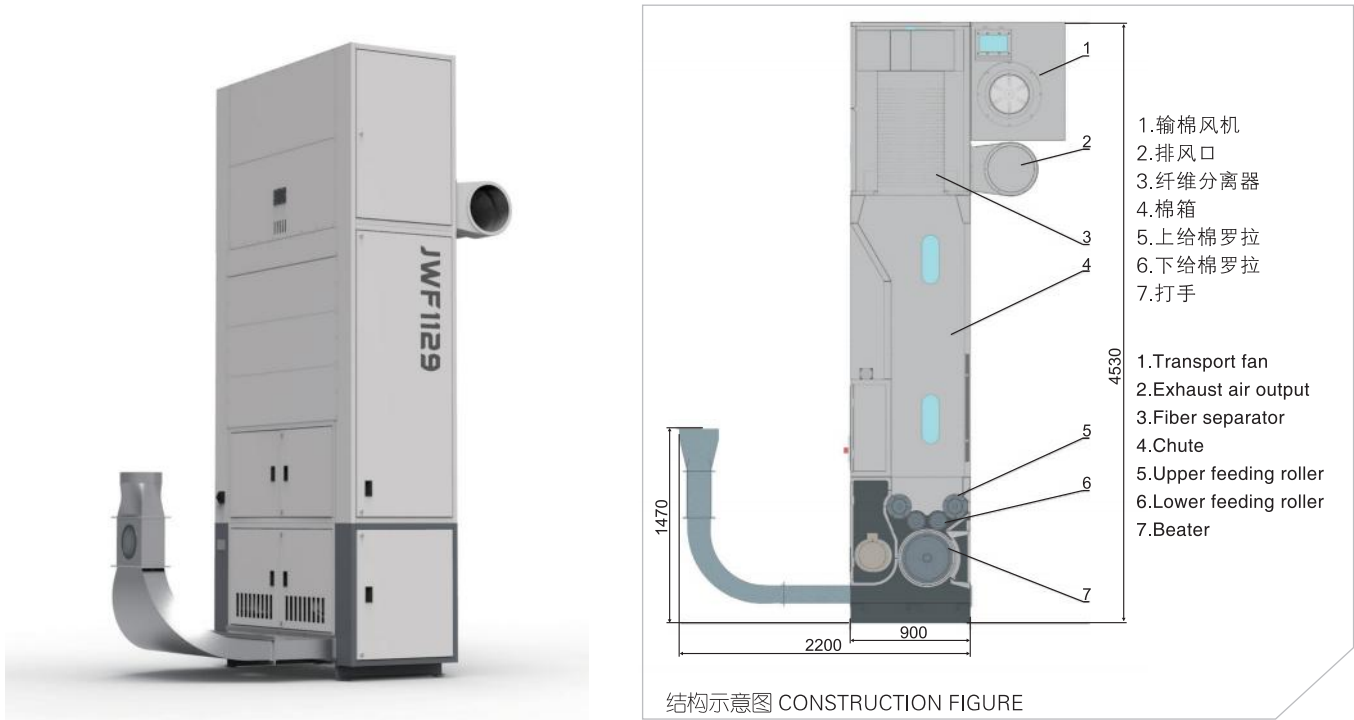
- ☆ 开松部件采用梳针打手，开松效果好，纤维损伤小；
- ☆ 除杂机构采用除尘刀、分梳板以及舌形板结构，调整方便，除杂效率高；
- ☆ 先进的预充满功能，保证系统刚开车时的稳定性。
- ☆ Opening part adopts pin beater with better open efficiency and less fiber damage;
- ☆ Trash removal mechanism adopts mote knife,carding segment and tong-shape plate for easy adjustment and high dedusting efficiency.
- ☆ Advanced pre-filling function ensures the stability of the system when it is just started.

主要规格 SPECIFICATIONS

机型/Type	JWF1125	JWF1125-180
工作幅宽/Working width(mm)	1600	1800
最高产量/The Max. production(kg/h)	1600	1800
打手形式/Beater type	梳针打手/Pin beater	
打手直径/Beater diameter(mm)	400	
打手转速/Beater speed(r/min)	变频调速500-1000(Speed controlled by inverter 500-1000)	
上/下给棉罗拉直径/Upper/Lower feed roller dia.(mm)	300/120	
分梳板/除尘刀/调节板数量(个)/Amount of Carding Segment/Mote knife/Adjustment(piece)	2/3/2	
装机功率/Power installed(Kw)	5.1	6.6
外形尺寸(长x宽x高)(mm)/ Overall dimension(LxWxH)(mm)	2100 × 1550 × 3060	2100 × 1550 × 4055
重量(kg)/Weight(kg)	1990	2690



JWF1129 型储棉开松机 COTTON STORAGE OPENER



该机适用于将各种等级的原棉、棉型化纤和76mm以下的中长纤维进行储棉和开松，供下道工序使用。
This machine is used to store and open varies grade of raw cotton, cotton type chemical fiber, medium and long fiber below 76mm for next process.

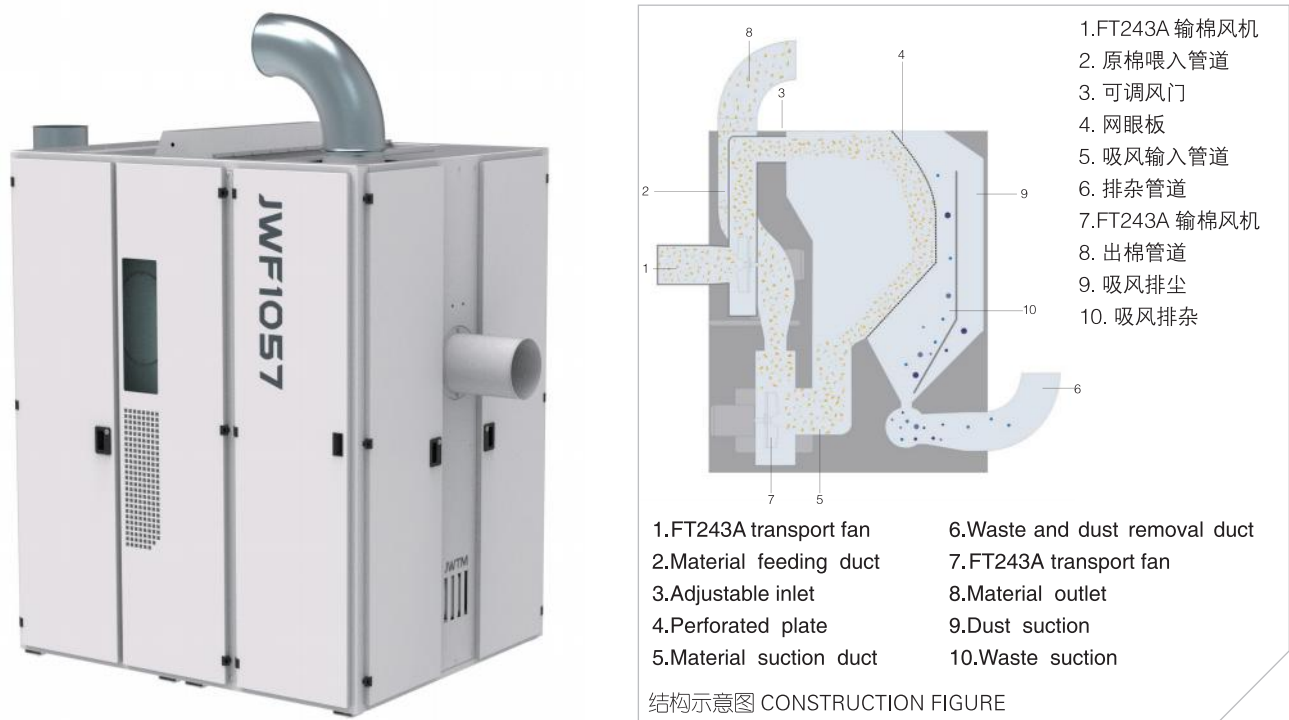
主要特点 MAIN FEATURES

- ☆ 棉箱储棉量大，保证稳定供棉；
- ☆ 10排梳针打手，开松柔和，纤维损伤小；
- ☆ 大直径给棉罗拉，喂棉均匀，不易缠绕。
- ☆ Large quantity of cotton storage in chute for stable supply;
- ☆ 10 rows of pin beater to ensure soft open and less fiber damage;
- ☆ Big diameter feed roller to ensure even feeding, less likely to tangle.

主要规格 SPECIFICATIONS

工作幅宽/Working width(mm)	1600
产量/Production(kg/h)	1600
打手形式/Beater type	梳针打手/Pin beater
打手直径/Beater diameter(mm)	410
打手转速/Beater speed	600/800/1000 (可选配变频/Option: inverter)
上/下给棉罗拉直径/Upper/Lower feed roller dia.(mm)	180/150
机内风机风量/Fan air volume(m ³ /h)	4000~7000
排尘管直径/Diameter of dust discharge pipes(mm)	350
输入/输出管直径/Diameter of input/output pipes(mm)	300/300
外形尺寸/Overall dimension(LxWxH)(mm)	2200 x 2050 x 4530
装机功率/Installed power(KW)	10
重量(kg)/Weight(kg)	2500

JWF1057 型除微尘机 DEDUSTING MACHINE



JWF1057型除微尘机适用于各种等级的原棉，用于清花流程中排出短绒和微尘，以减少纱疵，提高成纱质量。经充分开松的纤维，通过本机后可排除所含部分细小杂质、微尘和短绒，特别适合OE纺纱清梳工序。
JWF1057 dedusting machine is part of the blowing line and applicable to various kinds of raw cotton. When the finely opened cotton goes through this machine, the dust, micro-dust and short fibers can be removed efficiently. JWF1053 is especially applicable in OE spinning.

主要特点 MAIN FEATURES

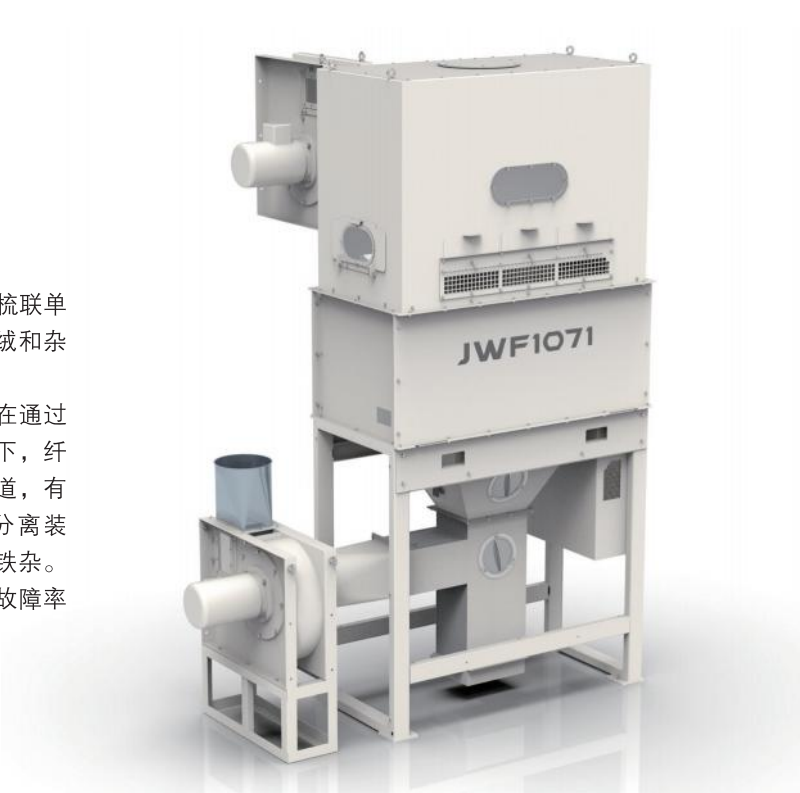
除尘工艺独特，纤维束与弧形网眼板碰撞后，通过气流作用，以自由状态落下完成除尘。具有不损伤纤维，除尘效率高，工艺流程配制灵活等特点。
采用独特的机械可调风门，直接将纤维均匀分配到机内，运行可靠，故障率低。
It has a special way of dust removing. When fiber tufts collide with the perforated plate, the dust falls down under the airflow action. This machine has such advantages as little fiber damage, highly efficient dust removal and flexible process.
Its special structure of the mechanical adjustable inlet ensures the even distribution of the material. The machine is characterized with its reliable running and low failure rate.

主要规格 SPECIFICATIONS

工作宽度/Working width(mm)	1600
产量/Prodction(kg/h)	1600
机内风机风量/Fan air volume(m ³ /h)	4000~8000
输出、输入及排尘管径/Diameter of pipe(mm)	Φ 300
外形尺寸/Overall dimension(L x W x H)(mm)	2220 × 1870 × 2650
装机功率/Power installed(kW)	15
机器净重Net weight (kg)	1700



JWF1071 型纤维分离器 FIBER SEPARATOR



JWF1071型纤维分离器用于平衡清梳联单元机之间气流，同时排除部分灰尘、短绒和杂质。

该机上部为立式纤维分离器，纤维在通过分离器蜗壳时产生旋转，在离心力作用下，纤维中的尘杂和短绒经网眼筒排入排尘管道，有较好的尘杂分离效果。下部配置重杂分离装置，利用棉流转向去除纤维中的重物及铁杂。该机排短绒、除尘效果好，运行可靠，故障率低。

JWF1071 fiber separator is used for balancing the air flow between blowing and carding units, removing parts of dust, short staple and impurities at the same time.

The upper part of the machine is a vertical fiber separator in which fiber rotates when passing through the volute of the separator. Under the action of centrifugal force, the dust and short staples in the fiber are discharged into the pipe through the mesh barrel with a good separation effect. The lower part is equipped with a heavy and impurity separation device which remove heavy and iron impurities in fibers by using cotton flow diversion. The machine has the advantages of better short staple, dust removal effect, reliable operation and low fault rate.

主要规格 SPECIFICATIONS

工作幅宽/Working width(mm)	1600
产量/Production(kg/h)	1600
机内风机风量/Fan air volume(m ³ /h)	4000~8000
输入、输出及排尘管径/Diameter of pipes(mm)	Φ300
外形尺寸/Overall dimension(LxWxH) (mm)	2680x950x3520
装机功率/Power installed(KW)	11
机器净重Net weight(kg)	1300

FT217-70/90 型气流分流器 AIR SEPARATOR



主要特点 MAIN FEATURES

- ☆ 结构简单，内胆网眼通道光滑不挂花；
- ☆ 棉流在输棉通道内受自身重力及方向相同的气流压力共同作用下向下级输送，气流受压缩由侧面垂直网眼排出；
- ☆ 无运转部件，无电气部分，故障率低，维修保养方便；
- ☆ 该机采用全封闭式结构，安全、美观；
- ☆ 机器结构具有可视性，内部清理方便，并具有可调补风口；
- ☆ 补风口与滤尘口根据用户需求可互换。
- ☆ Simple structure—smooth interior meshed plate without fly suspension.
- ☆ Under the co-action of cotton gravity and air current , cotton current is transported to next machine and air current is exhausted through side mesh plate.
- ☆ Due to free of running part and electrical element, this machine has low rate of fault and easy maintenance.
- ☆ This machine adopts totally enclosed structure, featured with safety and beauty.
- ☆ Machine structure is visible; its interior clean is easy; machine has adjustable air compensation mouth.
- ☆ Air compensation mouth and filter mouth is interchangeable according to user requirement.

主要规格 SPECIFICATIONS

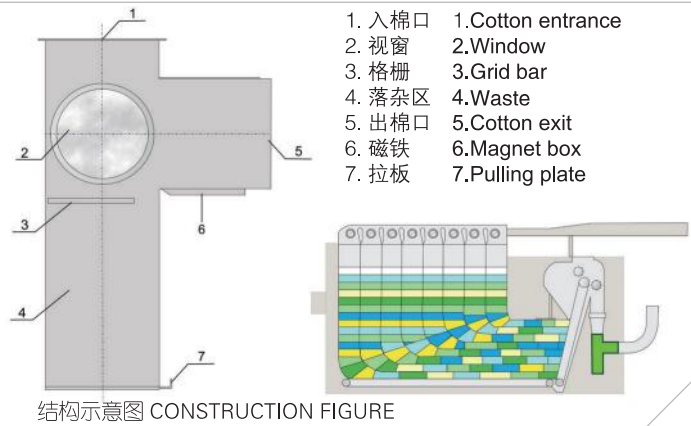
最高产量/The Maximum production(kg/h)	1800	2200
出口静压/Static pressure in exit(Pa)	-300 ~ -100	-420 ~ -140
排尘静压/Static pressure in dust exhaust(Pa)	-500 ~ -300	-700 ~ -420
最佳排尘风量/The optimum dust exhaust air volume(m ³ /h)	2500 ~ 4000	3500 ~ 5600
外型尺寸(长×宽×高)Overall dimension(L×W×H)(mm)	1712x2328x2146	1935x2528x2170
机器净重Net weight(kg)	230	260



FT218 型重杂分离装置 WEIGHT SEPARATOR

该机用于清梳联流程中，适用于各种等级原棉的处理。它置于多仓混棉机输出棉处，利用棉流向时的离心力去除混于纤维中的重物及铁杂。重物及铁杂皆可定期清理。

This machine is used in blowing-carding production line and suited for processing each kind of raw cotton. It is located at the exit of multi-mixer to remove weight and trash in material by use of centrifugal force produced during cotton current direction change. Weight and trash can be cleaned periodically.



主要特点 MAIN FEATURES

- ☆ U型栅格前端断开，落大杂效率高；栅格下方补风可调，保证棉流输送顺畅；
- ☆ 巧妙利用棉流转向，配合高强度磁铁可有效去除铁杂。
- ☆ The front of U shape grid is open to enhance big trash dropping efficiency.Air compensation under grid is adjustable to ensure smooth cotton current transportation.
- ☆ Efficiently remove iron trash by use of cotton current direction change and high strength magenet.

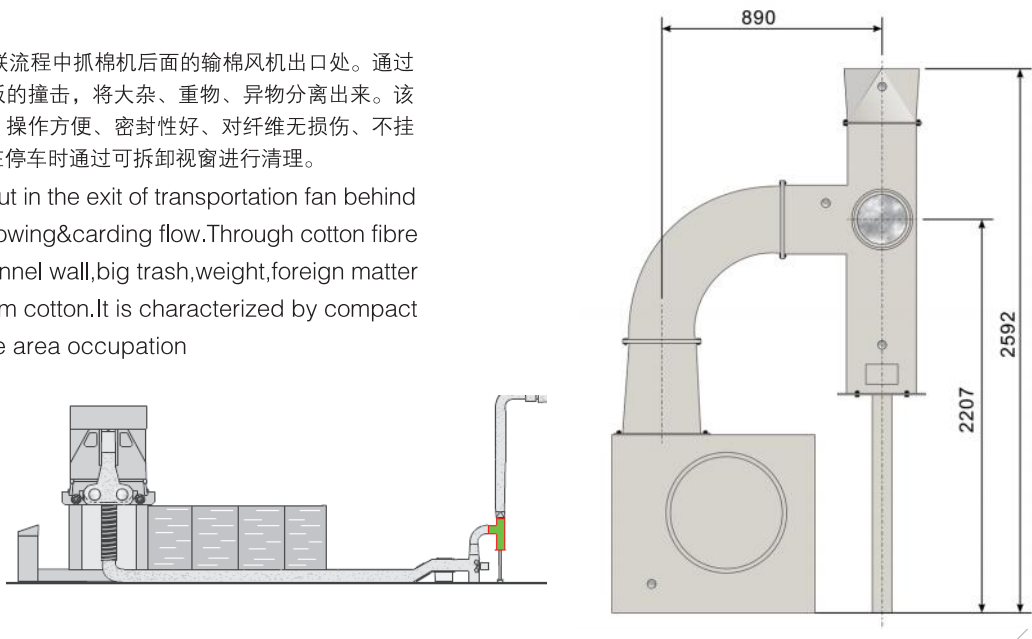
主要规格 SPECIFICATIONS

外形尺寸(长×宽×高)/Overall dimension(L×W×H)(mm)	560×330×865
磁铁表面强度/Magenet surface strength(GS)	3500

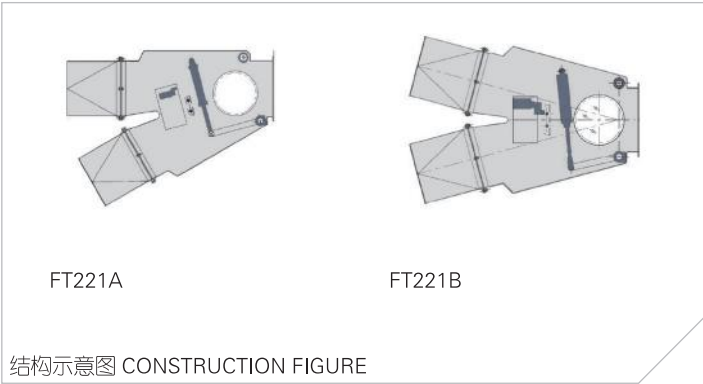
FA124A/B 型重物分离器 WEIGHT SEPARATOR

该机置于清梳联流程中抓棉机后面的输棉风机出口处。通过原棉纤维与通道壁板的撞击，将大杂、重物、异物分离出来。该产品具有结构简单、操作方便、密封性好、对纤维无损伤、不挂花等特点。用户可在停车时通过可拆卸视窗进行清理。

This machine is put in the exit of transportation fan behind bale plucker in blowing&carding flow.Through cotton fibre impacting on channel wall,big trash,weight,foreign matter are separated from cotton.It is characterized by compact structure and little area occupation



FT221 系列两路分配器 SERIES 2-WAY DISTRIBUTOR



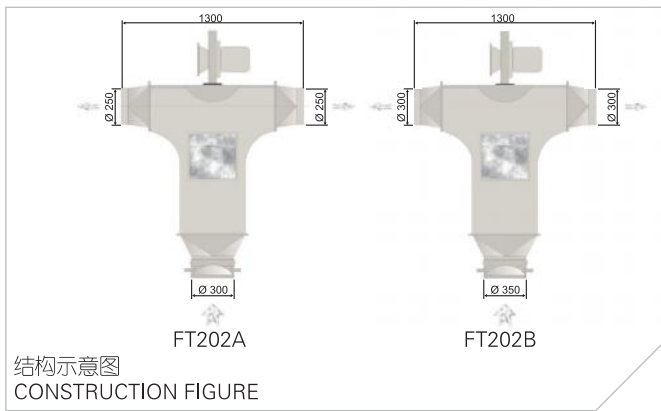
在清梳联生产线上，FT221A、FT221B安装于输棉管道上，用于清梳联“一套两线两品种”工艺流程中。

Either FT221A or FT221B is erected with the material transporting pipe and used in the “one system two line two material” blowing-carding process.

主要规格 SPECIFICATIONS

工作直径/Working diameter(mm)	Φ300
最大工作压力/Max. working pressure(Mpa)	≤1
进气管规格/Inlet pipe specification(mm)	外径/Outer Φ8×1

FT202A/B 型T型分配器 T-SHAPE DISTRIBUTOR



FT202A/B 用于清梳联输棉风机与棉箱的二路分配输棉系统中，作用是将输棉风机送入的原料均匀分配到两侧输棉管路中。

FT202A/B is used in two-way distributing system between transportation fan and chute feeder, whose function is to even distributing cotton from transportation fan to two transportation ducts.

主要规格 SPECIFICATIONS

风机风压/Fan air pressure (Pa)	2000	2400
风机风量/Fan air volume (m ³ /h)	600	1500
风机功率/Fan power rate (kw)	0.55	2.2
外形尺寸/Overall dimension(LxWxH)(mm)	1776x1300x536	1800x1300x648

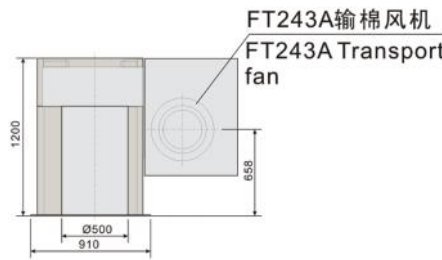


JWF1055 系列立式纤维分离器 SERIES VERTICAL FIBER SEPARATOR



JWF1055型立式纤维分离器主要和精开棉机、储棉开松机等配合使用，平衡前后机间气流，并分离棉流中的尘杂和短绒。

JWF 1055 vertical fiber separator is used together with fine opener and storage opener etc. for balancing air current between front and back machinery, and separating trash and short staple in fiber.



结构示意图 CONSTRUCTION FIGURE

- 主要特点 MAIN FEATURES
- ★ 棉流通过风机喂入，围绕立式尘笼旋转，排除气流，尘杂和短绒通过尘笼网眼排除，尘杂分离效果好；
 - ★ 棉流在下落时经过旋转扩散，有较好的混合作用；
 - ★ 设备没有运动部件，对纤维没有打击，纤维损伤小。
 - ★ Cotton current fed by fan revolves around vertical dust cage to exclude air current, trash and short staple through mesh with better trash separating efficiency;
 - ★ The cotton flow has a good mixing effect by rotating and diffusing when falling;
 - ★ Machine free of motive parts has no beat to fiber to ensure less fiber damage.

主要规格 SPECIFICATIONS

机型/Type	JWF1055	JWF1055-160
风机/Fan	FT243A	FT243A
产量/Production (kg/h)	1000	1600
排气量/Air displacement(m³/H)	3300~5000	3300~6000
进棉口直径/Diameter of the cotton entry pipe(mm)	Φ 300	Φ 300
外形尺寸/Overall dimension(L x W x H) (mm)	1160 x 910 x 1200	1700 x 910 x 1200

变频输棉风机
TRANSPORT FAN

FT243A、FT247B、FT249B型变频输棉风机用于清花机台之间的棉流输送，可精确控制管道内空气压力及流量。该类型输棉风机采用直叶式无前盘铝合金叶轮，经氧化处理表面光滑，具有不产生火花、不堵塞、不粘纤维的特点；机壳内外喷塑，防腐性能好。

The FT243A;FT247B;FT249B transport fan is used to transport raw material from the front different single machine to the next one. those motors can control the pressure and volume of the air in the duct accurately.It adopts straight-blade aluminum-alloy impeller which has a smooth oxygenated surface and features no sparkle,no block and no adhesion of fiber.Its surface is painted with plastics and it have a good anti-rust performance.

主要规格 SPECIFICATIONS

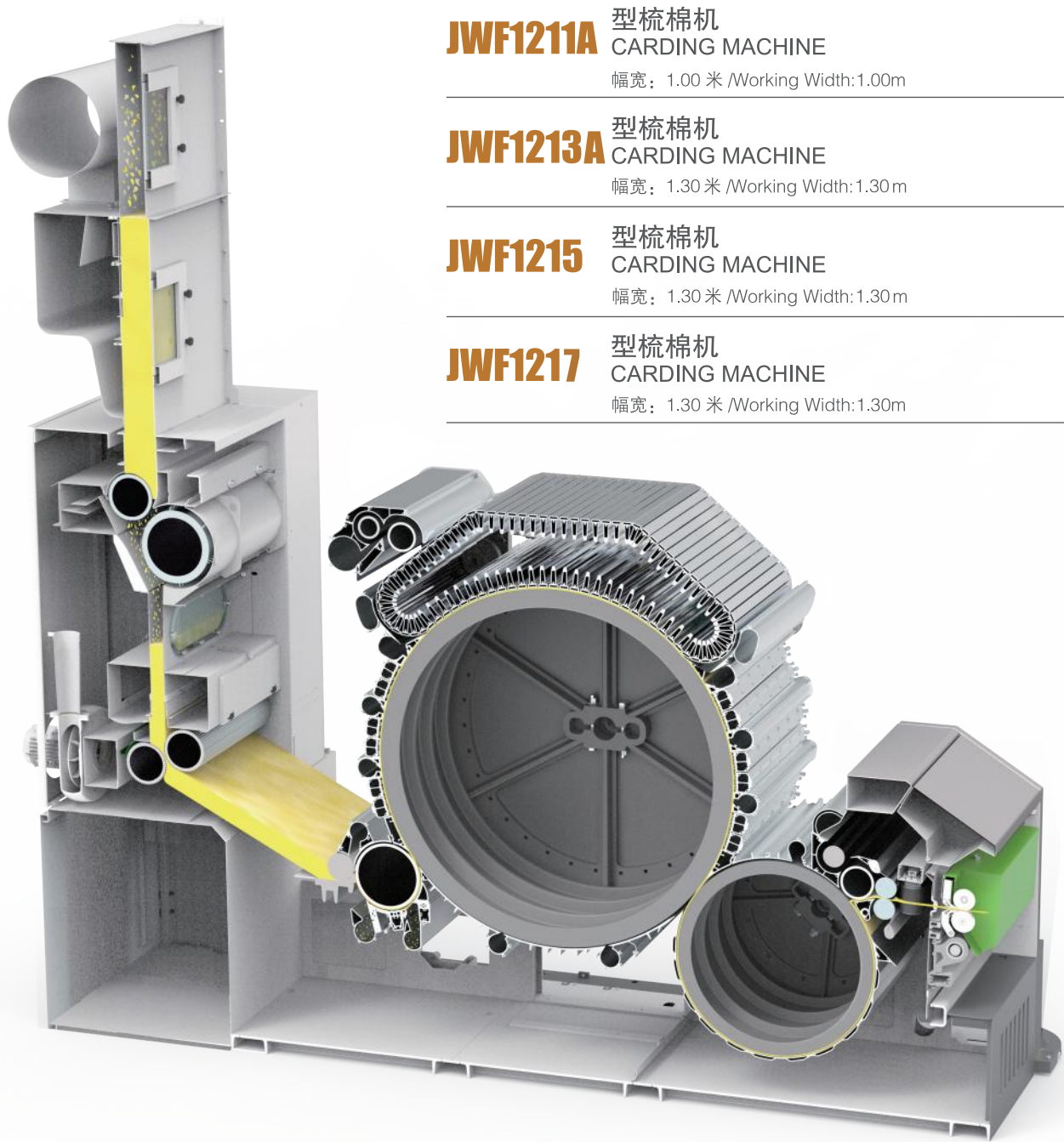
机型/Type	FT243A		FT247B	FT249B
最大风量/Air volume (m³/h)	5810	7500	6500	11000
最大风压//Pressure (Pa)	2300	2500	2480	2300
风机转速/Speed (rpm)	2900		2900	2900
电机功率/Motor power (kw)	5.5	7.5	9	11
入口尺寸/Dimension of inlet (mm)	Φ 300		Φ 300	Φ 400
出口尺寸/Dimension of outlet (mm)	170x300		250x300	370x300
外形尺寸/(LxWxH)/Overall dimension (mm)	736x890x710		1222x928x780	848x1010x880

高产梳棉机 HIGH PRODUCTION CARDING MACHINE

青岛宏大

—— 全系幅宽梳棉机制造商

WE ARE THE MANUFACTURE WHO PRODUCE CARDING MACHINE WITH ALL THREE WORKING WIDTH



JWF1211A 型梳棉机
CARDING MACHINE
幅宽：1.00 米 /Working Width:1.00m

JWF1213A 型梳棉机
CARDING MACHINE
幅宽：1.30 米 /Working Width:1.30 m

JWF1215 型梳棉机
CARDING MACHINE
幅宽：1.30 米 /Working Width:1.30 m

JWF1217 型梳棉机
CARDING MACHINE
幅宽：1.30 米 /Working Width:1.30m

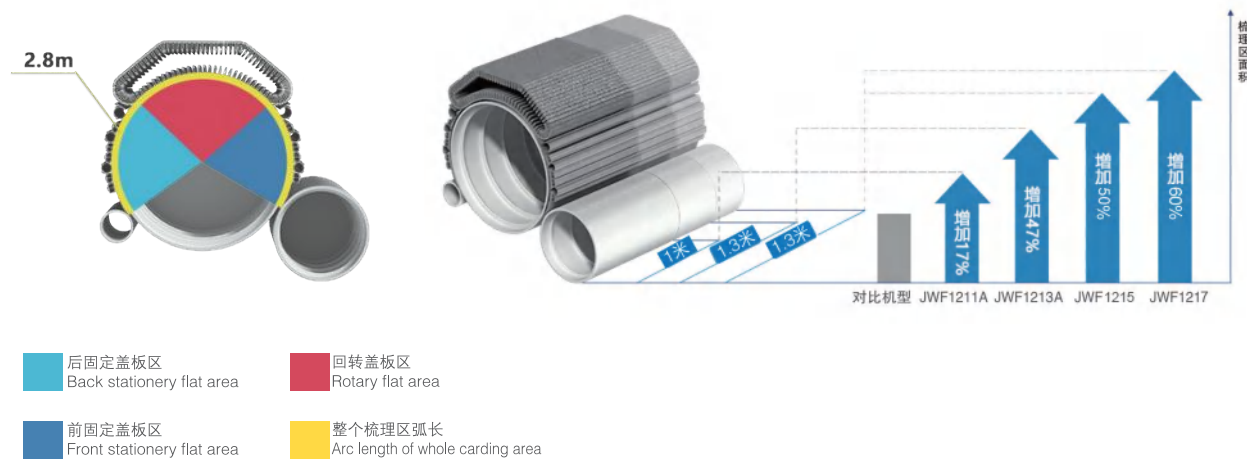


产量更高

HIGHER YIELD

梳理区面积增加以及精确的梳理隔距是高产优质成纱质量的基础。

The increase of carding area and the precise carding gauge ensure higher production and better quality.



梳理区示意图 CARDING AREA FIGURE

最佳的原料利用率

THE BEST CONSUMPTION OF RAW MATERIAL

刺辊落杂区可调，盖板速度可调，确保最佳原料利用率。

The adjustable licker-in drop length, the inverter drive revolving flat and the directional feeding design ensure the best consumption of raw material.

模块化设计

MODULAR DESIGN

可根据不同原料、双联固定盖板、棉网清洁器、铝合金罩板可以进行不同的组合和配置，拆装灵活，排杂效果好。

Duplex stationery flat, web cleaner, Al-alloy sheet can be configurated and fit in different group according to material, featured by flexible mantling and dismantling, good trash excluding efficiency.

操作方便 维护快捷

EASY OPERATION AND MAINTENANCE

新型盖板清洁及传动系统(选配)

NEW TYPE FLAT CLEANING AND DRIVING SYSTEM (Optional)

盖板单独变频电机传动，工艺速度调整方便。

刷辊与回转盖板采用可调式隔距设计，实现回转盖板的深度清洁。

Flat is driven by independent inverter motor for convenient speed adjustment.

The gauge adjustable design of the brush roller and the revolving flats ensures the deep cleaning of the revolving flats.

稳定的吸风和气流

STABLE AIR SUCTION AND AIRFLOW

新型滤尘系统，采用流线型结构设计，更加符合气流运动轨迹，减少风阻，节能降耗。

The new dust-filtering system adopts the streamline structure and is in more accordance with air motion trail, reducing wind resistance as well as saving energy and reducing cost.

优质梳理质量的保障

GURANTEE THE CARDING QUALITY

新型混合环自调匀整系统

NEW TYPE MIXED LOOP AUTO-LEVELLER SYSTEM

专用于顺向喂棉结构，利用高精度涡流式非接触型传感器检测纤维厚度的变化，实行短片段控制，利用棉条厚度变化实行长片段控制，组成稳定的混合环控制方式。Exclusively used for the directional feeding design, can detect the batt thickness variation by use of precision vertex non-contact sensor to control fiber in short term and realize the control of fiber in long term via detecting sliver thickness variation, reaching the open-close loop control.

棉条 CV 的核心

CORE OF SLIVER CV

新型一体化棉箱

TYPE OF CHUTE FEEDER

新型棉箱储棉容量大，供棉稳定，有效改善条干均匀度及重量不匀率。棉箱采用机内循环风，筵棉更均匀稳定。采用新型密封结构，有效防止塞花。

New type of chute feeder, with big capacity, supply cotton stably and improves sliver evenness and weight regularity efficiently. Air is circling inside the chute feeder, make batt more even and stable. The new type sealing structure avoids cotton blocks efficiently.



FT 系列圈条器 SEIRES COILERS



FT211/FT211-120/FT211-80/FT211-60 型圈条器 COILER

适用 $\phi 1000 \times 1100/1200/1300/1400$ 、 $\phi 1200 \times 1300/1500$ 、 $\phi 800 \times 1100/1200$ 、 $\phi 600 \times 1100/1200$ 棉条筒，直线自动换筒，伺服电机单独传动。
Suitable for $\phi 1000 \times 1100/1200/1300/1400$ 、 $\phi 1200 \times 1300/1500$ 、 $\phi 800 \times 1100/1200$ 、 $\phi 600 \times 1100/1200$ can, straight autocan changer, driven by independent servo motor.

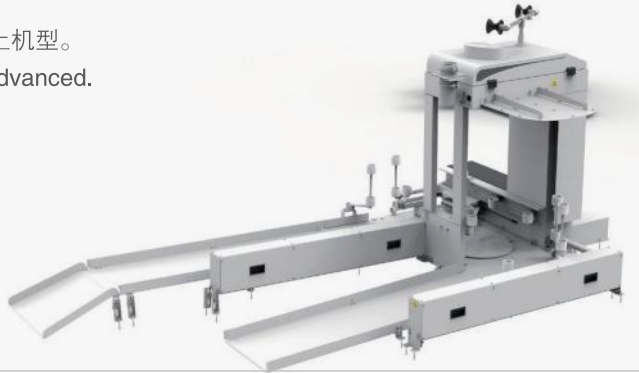
增容圈条器配置(选配): Coiler capacity enhancement(Optional)
具备增容功能的圈条器，条筒容量增加20%–50%,适应客户对条筒大容量的需求。
The can capacity can be increased by 20%–50% with capacity-enhancing function to meet customers' higher-capacity requirement for cans.

配套梳棉机: JWF1203以上机型。
FIT FOR: JWF1203 and advanced.

FT213 型圈条器 COILER

适用 $\phi 400 \times 900/1000/1100$ 、 $\phi 450 \times 900/1000/1100$ 、 $\phi 500 \times 900/1000/1100$ 棉条筒，“U”型直线自动换筒，伺服电机单独传动。
Suitable for $\phi 1000 \times 1100/1200$ can, U type straight autocan changer, driven by independent servo motor.

配套梳棉机: JWF1203 以上机型。
FIT FOR: JWF1203 and advanced.



FT207/FT207-60 型圈条器 COILER

适用 $\phi 1000 \times 1100/1200$ 、 $\phi 600 \times 1100/1200$ 棉条筒，人工换筒，机械式传动。
Suitable for $\phi 1000 \times 1100/1200$ 、 $\phi 600 \times 1100/1200$ can, manual can change, driven by carding machine.

主要规格 SPECIFICATIONS

机型	JWF1211A	JWF1213A	JWF1215	JWF1217
适用范围	适用于纤维长度22 ~ 76毫米的纯棉、化纤及其混纺			
最高产量（公斤/小时）	100	160	180	200
最高出条速度（米/分）	300	320	380	400
棉条定量（克/米）	3 ~ 7	3.5 ~ 10	3.5 ~ 10	3.5 ~ 10
喂棉重量（克/米）	400 ~ 1000	400 ~ 1300	400 ~ 1300	400 ~ 1300
工作幅宽（毫米）	1000	1280	1280	1280
总牵伸倍数	60 ~ 300	40 ~ 370	40 ~ 370	40 ~ 370
刺辊工作直径（毫米）	$\Phi 250$	$\Phi 250$	$\Phi 250$	$\Phi 250$
道夫工作直径（毫米）	$\Phi 706$	$\Phi 706$	$\Phi 706$	$\Phi 706$
道夫工作速度（转/分）	4.3 ~ 84	4.3 ~ 84	3 ~ 120	3 ~ 120
锡林工作直径（毫米）	$\Phi 1288$	$\Phi 1288$	$\Phi 1288$	$\Phi 1288$
锡林工作速度（转/分）	347 ~ 447	347 ~ 477	330 ~ 550	330 ~ 550
回转盖板根数（工作盖板/盖板总数）	30/84	30/84	30/84	38/108
盖板速度(毫米/分)	70 ~ 408	70 ~ 408	70 ~ 408	70 ~ 408
附加梳理件	刺辊分梳板	2根	2根	2根
	前固定盖板	8根	8根	10根
	后固定盖板	10根	12根	10根
棉网清洁器	前3后3	纺棉	纺棉	纺棉
	前2后2	纺化纤	纺化纤	纺化纤
连续吸尘风量（米 ³ /小时）	4000	4500	4500	4500
出口静压（帕）	-800	-800	-800	-800
压缩空气压力（公斤/厘米 ² ）	6~7	6~7	6~7	6~8
空气消耗（米 ³ /小时）	0.5	0.5	0.5	0.5
总装机功率（千瓦）	11.24	13.9	15.75	16.85
安全罩形式	全封闭	全封闭	全封闭	全封闭
占地面积(长x宽x高)（ $\Phi 1000$ ）（毫米）	5625x2660x3555	5625x2660x3555	5695x2660x3645	5850x2660x3645
机器净重（公斤）	约7200	约8000	约8000	约8000
喂棉箱	JWF1173B	JWF1177B	JWF1177B	JWF1177B
给棉罗拉直径（毫米）	$\Phi 172$	$\Phi 172$	$\Phi 172$	$\Phi 172$
开松辊直径（毫米）	$\Phi 292$	$\Phi 292$	$\Phi 292$	$\Phi 292$
功率（千瓦）	2.3	2.3	2.3	2.3



Type		JWF1211A	JWF1213A	JWF1215	JWF1217
Applications		Application Applicable to chemical fiber, pure cotton in length from 22~76mm and other blended material.			
Max. Actual output (kg/h)		100	160	180	200
Max. Sliver delivery speed (meter/min)		300	320	380	400
Sliver count(g/m)		3~7	3.5~10	3.5~10	3.5~10
Feed weight(gram/meter)		400~1000	400~1300	400~1300	400~1300
Working width(mm)		1000	1280	1280	1280
Total draft folds		60~300	40~370	40~370	40~370
Licker-in working diameter(mm)		Φ250	Φ250	Φ250	Φ250
Doffer working diameter(mm)		Φ706	Φ706	Φ706	Φ706
Doffer working speed(rpm)		4.3~84	4.3~84	3~120	3~120
Cylinder working diameter(mm)		Φ1288	Φ1288	Φ1288	Φ1288
Cylinder working speed(rpm)		347~447	347~477	330~550	330~550
Pieces of rotary flats(working flat/total flats)		30/84	30/84	30/84	38/108
Flat speed (mm/min)		70~408	70~408	70~408	70~408
Attached carding segments	Licker-in carding segment	2 pieces	2 pieces	2 pieces	2 pieces
	Front stationery flats	8 pieces	8 pieces	12 pieces	10 pieces
	Back stationery flats	10 pieces	10 pieces	12 pieces	10 pieces
Web cleaner	Front 3, Back 3	Cotton	Cotton	Cotton	Cotton
	Front 2, Back 2	Chemical fiber	Chemical fiber	Chemical fiber	Chemical fiber
Continuous air suction volume(m³/hour)		4000	4500	4500	4500
Statistic pressure at exit(pa)		–800	–800	–800	–800
Compressed air pressure (kg/cm²)		6~7	6~7	6~7	6~8
Compressed air consumption(m³/h)		0.5	0.5	0.5	0.5
Total power installation(KW)		11.24	13.9	15.75	16.85
Safety cover type		Totally enclosed	Totally enclosed	Totally enclosed	Totally enclosed
Overall dimension(L x W x H)(mm)		5625x2660x3555	5625x2660x3555	5695x2660x3645	5850x2660x3645
Machine net weight(kg)		About 7200	About 8000	About 8000	About 8000
Chute feeder		JWF1173B	JWF1177B	JWF1177B	JWF1177B
Feeding roller dia. (mm)		Φ172	Φ172	Φ172	Φ172
Opening roller dia.(mm)		Φ292	Φ292	Φ292	Φ292
Installed power (kW)		2.3	2.3	2.3	2.3