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**WEAVING Solutions**

织造解决方案

RFJA30Max 喷气织机

RFJA30Max AIR JET LOOM







#### 极其简便的操作性能

RFJA30Max喷气织机在每一个细节都贯穿了其操作的简便性，任何人都可以简单的进行操作。

#### Simple Operation Performance

The Simple operation concept is reflected on every details of RFJA30Max, everybody can operate easily.

#### 卓越的高速性能和低振动

高速性能是喷气织机最重要的性能指标之一，通过设计更加合理的经位置线和打纬动平衡系统，大幅降低了织机振动和噪声，从而实现了超高速。与超高速相匹配的高水平引纬系统和开口系统以及全新的机架结构使织机即使在极高速情况下也可以保持良好的织造性能。

#### Excellent Performance On High Speed And Low Vibration

High speed performance is one of the most important peculiarities of air jet looms, more suitable design on warp yarn path position and beating dynamic balance system highly reduced the vibration and noise, it helps to realize higher speed working. The high level designed weft insertion system; shedding system and brand new designed frame structure ensure the loom is always stable when working at high speed.

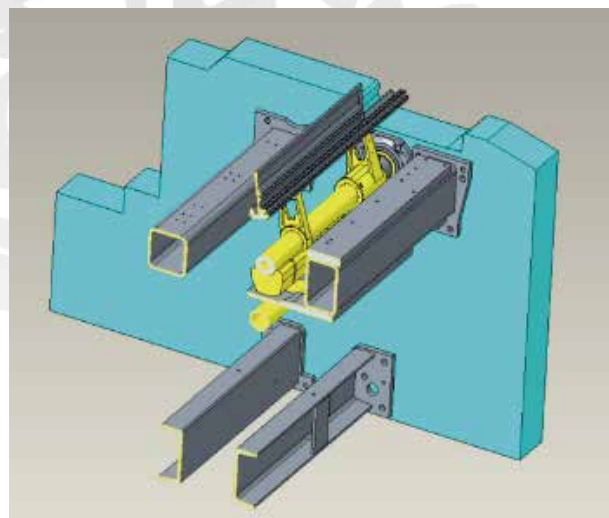
RFJA30Max系列喷气织机是我司推出的具有先进性能的喷气织机，在继承吸收RFJA30型织机的织造优点下，为用户提供更高的织造要求。其主要特点如下：

- 整体式高精度墙板，一次装夹成型，同一性强
- 短行程高精度共轭凸轮打纬，有效延长引纬时间的同时保证高速低振低能耗
- 新型平衡打纬机构，有效降低织机高速时的振动。
- 主传动采用电主轴直驱机构，高效节能
- 全新开口机构及经位置线，为客户节能增产
- 不断优化的高效节能的引纬系统，可为用户节省大约30%的耗气量
- 人性化的智能电控系统，有效实现车间机群的集中控制管理

RFJA30Max air jet loom is developed by our company which has advanced performance on the base of the merit of RFJA30, it is developed for meeting higher weaving requirement. Its main features are as follows:

- Integral high-precision wall plate, once clamping molding, strong homogeneity.
- Short stroke high-precision conjugate cam wefting, effectively extend the weft draw-in time while ensuring high speed, low vibration and low energy consumption.
- New type of balanced weft-beating mechanism effectively reduces the vibration of the loom at high speed.
- The main drive adopts electric spindle direct drive mechanism, high efficiency and energy saving.
- New opening mechanism and warp position line, energy saving and production increase for customers.
- Continuously optimized energy efficient weft draw-in system can save about 30% of air consumption for customers.
- Humanized intelligent electronic control system, effectively realizing the centralized control and management of the machine group in the workshop.

### 喷气织机 AIR JET LOOM



高速低振，运转稳定，有效改善车间织造环境

1. 关键部位强化连接，提高了高速运转的可靠性
2. 高精度、高强度一体成型大墙板是织机高速低振的基础
3. 高精度机架部件是织机高速低振的关键
4. 短行程高精度共轭凸轮打纬机构配高平衡比率平衡块可达到高速低振的效果。

High speed and low vibration, stable operation, effectively improve the workshop weaving environment.

1. Reinforced connections in key parts improve the reliability of high-speed operation.
2. High-precision, high-strength one-piece molded wall panels are the basis for high-speed, low-vibration looms.
3. High-precision frame parts are the key to high speed and low vibration of the loom.
4. Short stroke, high precision, conjugate cam weft-tying mechanism with high balance ratio balancing block can achieve the effect of high speed and low vibration.

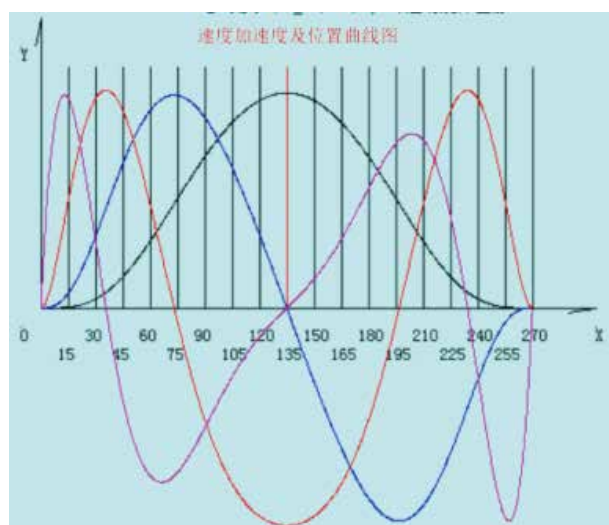


新型电控系统，人性化操作界面，可实现车间机群集中联网控制

针对织造条件和织物规格，可自动设定较佳工艺参数，进一步提高织造效率。

New type electric control system, humanized operation interface, can realize centralized network control of workshop machine group.

According to the weaving conditions and fabric specifications, better process parameters can be set automatically to further improve the weaving efficiency.

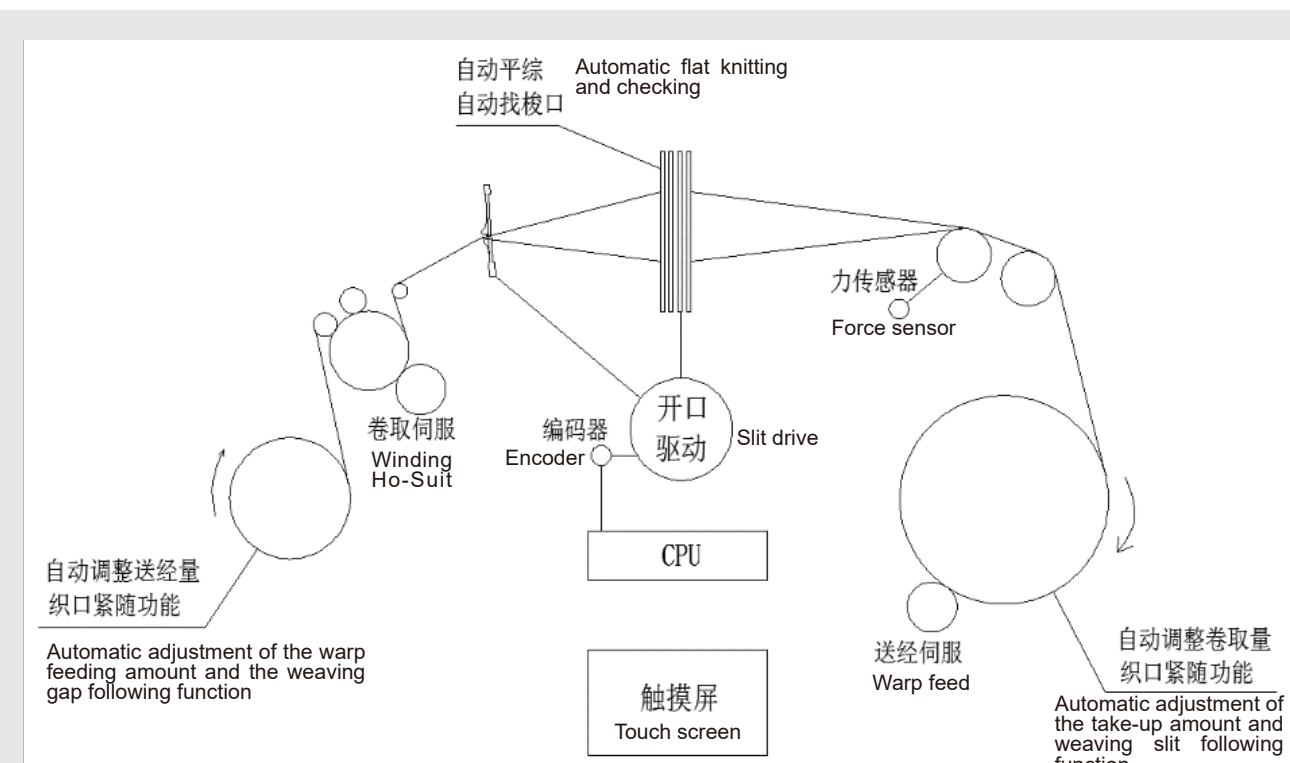


全新经位置线匹配全新打纬机构曲线

可最大程度上为客户降低空气消耗量，并降低纬停比率。

The new warp position line matches the new weft beating mechanism curve.

It can minimize the air consumption and reduce the weft stop ratio for customers.



稳定的停车档消除系统

RF30Max喷气织机配置最新型日发电控系统，高性能的主控单元可实现对织机各单元的同步控制，有效防止各种停车档的产生。

1. 可设定的移动量和转数  
启动时只要按照送经和卷取的设定量进行正转和反转就可有效的防止边撑档。
2. 送经量的调整  
根据不同停机原因及停机时间可任意设定启动时的送经量，能有效的防止停车档的产生。
3. 织机停止角度、启动角度的选择  
根据织物的种类和停车档的状态可任意设定织机的停止及起角角度。
4. 织口紧随功能  
停机后立即送经，防止缓慢反转的钢筘接触织口，排除了发生停车档的诱因。再次启动时自动恢复到原来设定的张力，保证正常的织口位置。

Stable stall elimination

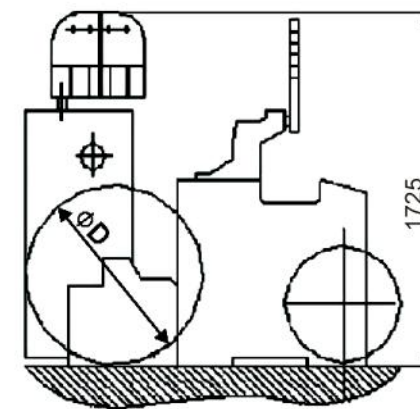
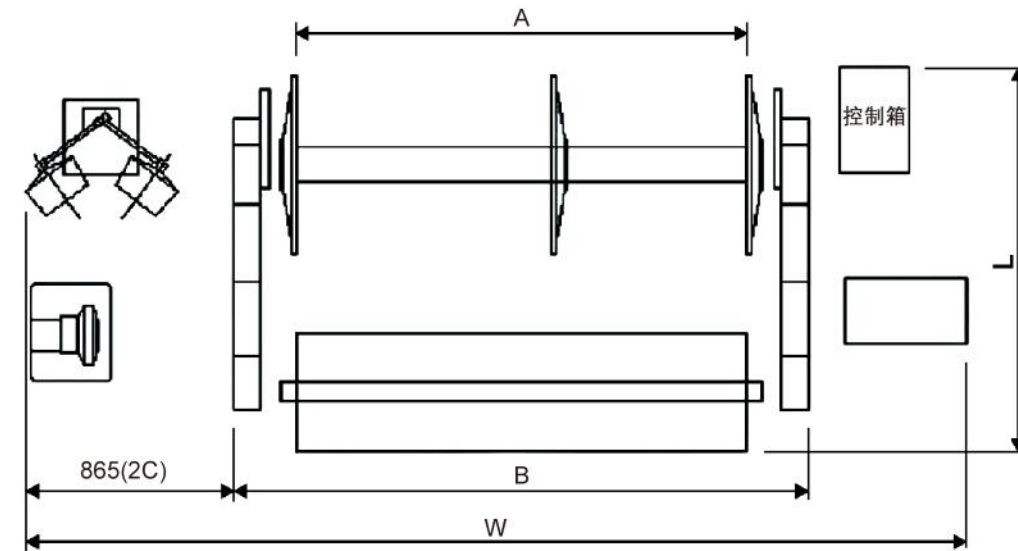
RF30Max air-jet loom is equipped with the latest daily power control system. The high-performance main control unit can realize synchronous control of each unit of the loom, effectively preventing the generation of various parking stalls.

1. Programmable travel amount and number of revolutions  
When the machine is started up, it is possible to prevent side support by simply turning the machine forward and backward in accordance with the set amount of warp feeding and winding.
2. Adjustment of warp feeding volume  
Depending on the cause and duration of the stoppage, the amount of warp feed at startup can be set arbitrarily to effectively prevent the generation of stopping gears.
3. Selection of the stop angle and start angle of the loom  
The stopping and starting angle of the weaving machine can be set arbitrarily according to the type of fabric and the status of the stopping gear.
4. Weaving mouth following function  
Immediately feeding the warp after stopping the machine prevents the slowly reversing reed from touching the weaving mouth, eliminating the incentive for stopping the machine. When the machine is restarted again, it automatically returns to the original set tension to ensure the normal weaving position.



项目 Item	规格 Specification	选配件 Optional
<b>箱幅 Reed Space</b> 公称箱幅 Nominal:150、170、190、210、230、260、280、340、360cm 有效箱幅 Useful range: 公称箱幅减 reduction from nominal 0~60cm (150-260cm) 公称箱幅减 reduction from nominal 0~80cm (280cm以上)		
<b>织造范围 Yarn Range</b> 短纤 Spun: Ne100~Ne2.5 长丝 Filament: 22dtex~1350dtex		
<b>纬纱选择 Weft Selection</b> 双色、四色、六色并有继续扩展的功能 2-color、4-color、6-color with extension function 通过电磁制动器直接控制定位停车 Magnetic brake control position stop directly		
<b>动力 Drive</b> 电主轴直驱或超启动马达 Electric spindle direct drive or super start motor 按钮开关双手操作 Push button operated by both hands		
<b>引纬 Weft Insertion</b> 最高入纬率: 2300米/分钟 Insertion rate: max 2300 m/min 主喷嘴、辅喷嘴并用式 Main nozzle and sub nozzle combined system 使用异形箱 Profile reed 新型电磁阀集成式辅助主喷 New type of integrated electromagnetic valve for auxiliary main injection	延伸喷嘴 Stretch nozzle ABS纬纱制动器 ABSweft break	
<b>开口 Shedding</b> 曲柄式连杆开口: 4页综框或6页综框 Crank shedding: 4&6 shafts 积极式凸轮开口: 最多 10 页综框 Positive cam shedding: 10 shafts max 多臂开口: 最多 16页综框 Dobby shedding: 16 shafts max 大提花开口 Jacquard shedding		
<b>送经 Let Off</b> 消极松经或积极松经 Negative or positive let-off 双辊电子送经、带自动反转功能 Double roller electronic let-off with automatic reverse function 经轴边盘直径 Flange diameter $\Phi$ 800mm	双经轴 Double beam $\Phi$ 914mm、 $\Phi$ 1000mm	
<b>卷取 Take-Up</b> 电子卷取 Electronic take-up 标准密度 Pick density: 25~300根/英寸 picks/inch、special 疏密度 15~300根/英寸 picks/inch 最大卷布直径 Max take-up diameter: $\Phi$ 520mm(曲柄开口 crank shedding) $\Phi$ 600mm(凸轮 cam、多臂 doobby、提花开口 Jacquard shedding)		
<b>打纬 Beating</b> 高精度短动程 High precision short stroke 共轭凸轮打纬机构 Conjugate cam beating mechanism		
<b>测长储纬 Length Measuring</b> 振动式储纬器 Vibratory weft accumulator		
<b>纬纱架 Accumulator</b> 落地式 Floor type: 4只筒纱(2喷) 4 bobbins(2-color), 8只筒纱(4喷) 8 bobbins(4-color)		
<b>布边 Bobbin Frame</b> 行星齿轮式绞边装置 Planetary gear leno selvage		
<b>纱端处理 Selvage</b> 弃边卷取2只滚筒式、弃边卷取齿轮方式 2 rollers take-up; gear take up		
<b>剪纬 Waste Selvage</b> 机械式剪刀 Mechanical weft cutter、电子式剪刀 Electronic weft cutter		
<b>润滑 Weft Cutter</b> 主传动部分油浴式,手动集中供油 Oil bath system for main driving parts, centralize lubrication system(Manual grease)	自动集中供油 Automatic lubrication system	
<b>停车装置 Auto-Stop Motion</b> 纬纱:光电式探纬器、双探头 Weft: photoelectric double weft sensor 经纱:电气接触式6列停经片 Warp: Electronic 6-row contact bar system 其它:绞边纱、弃边纱断头自停 Others: Automatic stop for leno yarn and waste salvage yarn break 停车原因显示:在人机界面上显示信息,多功能4色灯停车显示 Stop reason Indication: Indication on control panel and 4 color indicating lamp		
<b>自动化 Automatic</b> 控制:多功能微机控制系统,具有参数设定/控制/监控/自我诊断/人工智能界面 Control: Multiple function computer control system with data setting/control/ monitor/self diagnose/artificial intelligence interface 找断纬装置:自动找梭口 Pick finding: automatic pick finding 通过变频器作慢点动(正反转) Slow motion(corotation and reverse) by inverter 其它:监控器输出端子 Others: Monitor output terminal 记忆卡系统 Memorycard system 喷射自动控制 Jet automatic control		

### 尺寸图 DIMENSIONS



边盘直径 Flange dia	$\Phi$ 800
L	1958

注: 1) L为 $\Phi$ 800边盘的概略尺寸, 至于其他详细尺寸, 请直接向我司咨询。  
 2) 边盘直径为 $\Phi$ 914或 $\Phi$ 1000时, 图示L尺寸相同。

Note:

(1) L is the approximate size of the  $\Phi$ 800 side plate. For other detailed dimensions, please contact us directly.  
 (2) If the diameter of the side disk is  $\Phi$ 914 or  $\Phi$ 1000, the size of L is the same as shown in the picture.

公称箱幅(英寸) Nominal reed width (inches)	150 (60)	170 (67)	190 (75)	210 (83)	230 (91)	260 (102)	280 (110)	340 (134)	360 (142)
曲柄开口	3700	3900	4100	4300	4500	4800	5000	5600	5800
积极式凸轮开口 Positive cam opening	4100	4300	4500	4700	4900	5200	5400	6000	6200
下置式积极多臂 Lower positive doobby	4100	4300	4500	4700	4900	5200	5400	6000	6200
A	1500	1700	1900	2100	2300	2600	2800	3400	3600
B	2110	2310	2510	2710	2910	3210	3410	4010	4210

注: W为双喷时的概略尺寸, 其他规格的详细尺寸, 请直接向我司咨询。

Note: W is the approximate size in case of double spraying, for detailed dimensions of other specifications, please inquire directly with our company.