青岛文韬智能装备有限公司

QINGDAO WINTOP INTELLIGENT EQUIPMENT CO.,LTD

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文韬智能装备

Wintop

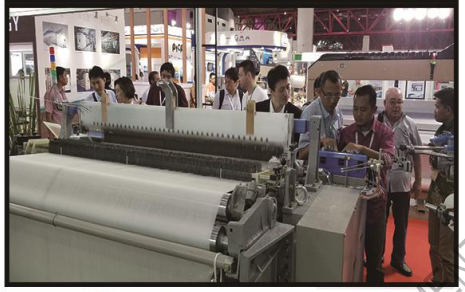
Intelligent equipment

Win At The Top

Weaving Solution Expert Of High Speed Water jet loom&Air jet loom

Win At The Top

Wintop 文韬智能装备 Intelligent equipment



公司简介 INTRODUCTION

Qingdao Wintop Intelligent Equipment Co.,ltd has progressively become the world's leading manufacturer of textile weaving technologies, providing professional high speed weaving looms-water jet loom,air jet loom, velvet looms,etc.for textile fabrics industry worldwide after joint venture with Italy in 2015 and adopt the European standards for refinement and specialization of production and the mission for "create world brand ,service customers around the world".

Products are mainly sold to India,Pakistan,Vietnam,Indonesia,Turkey ,Uzbekistan ,Brazil and other countries.There are sales and after sales service center in India and Indonesia.

What we are doing and will do is working with business people from all over the world to create win-win situations while continuing to improve ourselves with a global view and the"Chinese Intelligence".

Visionary Leadership – Initial vision creates opportunity.

Team Work – Opportunities are maximized by focused and motivated team members.

Operational Excellence – Consistent, professional, and efficient execution of all business endeavors maximizes success potential.

Company INTRODUCTION

Customer Satisfaction – Customer happiness and long-term relationships are our indicators of success.

Growth and Partnerships – Results yield business growth which in turn allows for continued relationships and involvement along with more opportunities.

WINTOP® BUSINESS

continuing to manufacturer of high speed water jet loom,high speed air jet loom,velvet looms,rapier loom,etc.

WINTOP® MANUFACTURING

a proud history of manufacturing in China. Our owned production headquarter named "Fanhua Industry "is equipped with the highest technological production equipment including CNC machining centers, air compressor,Electrophoresis, as well as painting line,assembly line for guaranteed high fabrication standards.

WINTOP® TECHNICAL

Products are designed in our technical department by a team of highly-skilled engineers – we offer competitive solutions without compromising on quality. Over the years,

WINTOP® has grown with our customers' requirements and the market demand.

We're just as passionate about growing and developing our products as we are about our client relationships.

AIR JET LOOM 喷气织机

随着信息化社会发展，客户的织造要求越来越趋向于多样化、高度化，对喷气织机也提出了“高速、便捷和高品质”的更高要求。为了适应新的市场要求，**我们公司**推出“WA820”高速重磅喷气织机，从外观造型、机架构造直至开口，引纬，打纬、送经，卷取等各个细节都进行了潜心研究，并且借鉴日本喷气织机的设计精华，运用机电一体化和现代工业的设计理念。进一步满足客户对合成纤维，棉，毛等广泛的产品需求。

Along with the development of the information society, weaving requirement of clients is more inclined to diversification and deepening, in view of the customer requirement of the high speed, high convenience and high quality, to meet new market requirement, **our company** has developed “WA820” high speed heavy air jet loom, which crystallizes Japanese air jet loom, mechatronic and industrial design concepts,combing and perfecting all details including appearance,frame structure, shedding, beating, filling insertion,let off and take up, to further satisfy customers on the synthetic fiber, cotton, and wool etc.

Wintop 文韬智能装备 Intelligent equipment

AIR JET LOOM

特点1 Feature 1

高速化 High Speed

- 强韧的机架在机器高速运转时实现更低的震动
  Optimized frame structure achieves even lower vibration during high speed operation
- 良好平衡性的新型打纬机构
  Well-balanced new beating motion
- 先进的高速多CPU控制系统
  Advanced high speed control system with multi CPU

特点2 Feature 2

节能化 Remarkable Energy Savings

- 新型引纬系统
  The new completely weft insertion system features main nozzle，subnozzle，reed and more
- 更低的空气消耗
  Air pressure is reduced and a reduction in air consumption is achieved

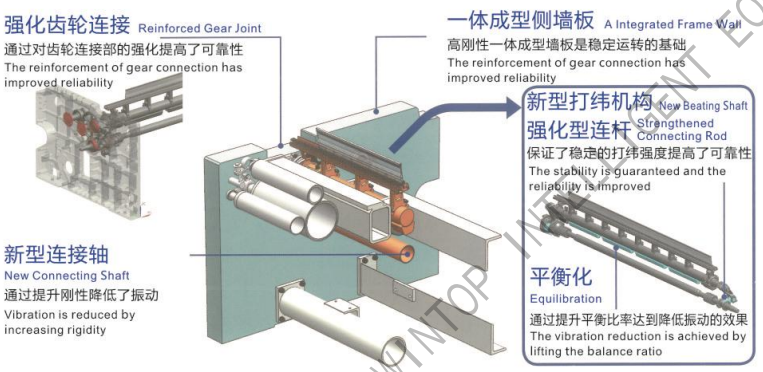
特点3 Feature 3

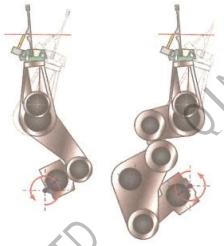
智能化和人性化 Intelligent & User Friendly

- 多功能显示屏更直观更易操作
  A large function panels improves visibility and operability
- 互联网和新通信技术，实现整机高度智能化
  Internet function and new communications technology realize highly intelligence
- 基于人体工程学的设计更易工人操作
  Easily operate by workers due to ergonomics

高速化 采用高速·低振动技术达到稳定运转

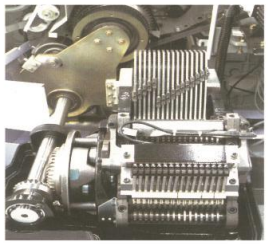
HIGH SPEED Adopting high speed, lower vibration technology to meet the stable operation.





4节连杆打纬 4 connecting rod beating

6节连杆打纬 6 connecting rod beating

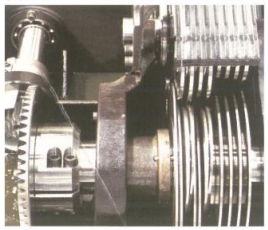


电子多臂开口

Electronic Dobby Shedding

对织机多臂式样、经向、纬向可以在显示屏上进行分别设定，也可编辑保存

Dobby design,warp direction,weft direction can separately set through the screen and also can edit , and save



积极凸轮开口

Positive Cam Shedding

系列化积极凸轮开口装置适合各种基础组织、平、斜纹组织及厚重织物

The serialization positive cam shedding device is suitable for all kind of basic fabric design, like plain, twill fabric and heavy fabric

电子送经

Electronic Let Off

采用载荷传感器实时检测经纱张力，由送经CPU控制送经AC伺服电机的送经量，可以在确保一致的经纱张力的同时，最大限度地减小细密路横档，提高织物质量。

A load sensor is arranged to detect the warp tension,and the feed amount of the AC servo motor for Let-off is controlled by the Let-off CPU，which can keep the consistency of warp tension and minimize the filling streaks of thin and dense paths，improving cloth quality.

电子卷曲

Electronic Take Up

采用AC伺服驱动卷曲装置，由计算机控制卷曲速度，从而控制纬密。可织造纬密变化的织物。纬密可在人机界面上进行设定，而不需要变换齿轮。

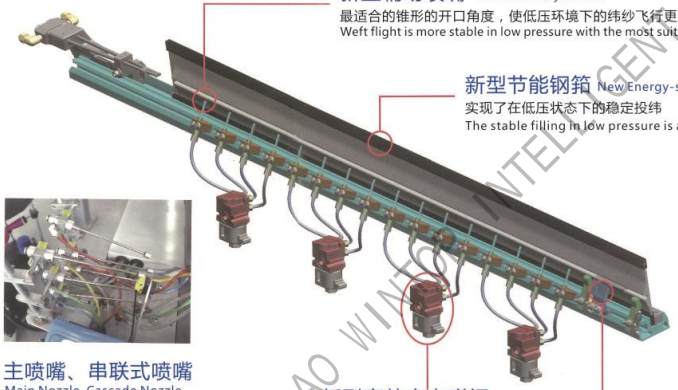
An AC servo motor is used for the electronic take-up device. The computer controls the take-up speed and further the weft density.The fabric of weft density changing style can be woven.Weft densities can be entered from the touch-screen.No change gears are required.

节能化

REMARKABLE ENERGY SAVINGS

新型辅助喷嘴 New Auxiliary Nozzle
最适合的锥形的开口角度，使低压环境下的纬纱飞行更加安定。
Weft flight is more stable in low pressure with the most suitable cone angle

新型节能钢筘 New Energy-saving Reed
实现了在低压状态下的稳定投纬
The stable filling in low pressure is achieved

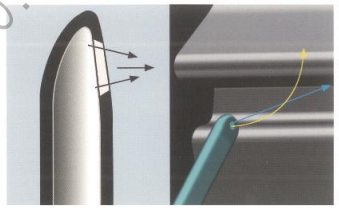


主喷嘴、串联式喷嘴
Main Nozzle, Cascade Nozzle
使主喷气压进一步得到降低，由于喷嘴内推进力的提升，因而可适用于机台的高速运转。
Further reduce the main nozzle air pressure, Due to the improvement of the propulsion in The nozzle, which can be adapted to the High-speed operation of the machine

新型高效率电磁阀
提升了可靠性和使用寿命
The new high efficiency solenoid valve improves the reliability and service life

新型筘前式拉伸喷嘴*
使用时不造成钢筘损伤的拉伸喷嘴。
The new type stretching nozzle which will not cause steel reed damage

电磁阀 Solenoid Valve
高性能的电磁阀和多种副喷方式的选择，有效控制压缩空气的消耗。
The choice of high performance solenoid valves and a variety of vice spray effective control of the consumption of compressed air.



低压时其他公司喷嘴喷射效果
Other company nozzles during low pressure
低压时WA810公司喷嘴喷射效果
WA810 nozzle during low pressure

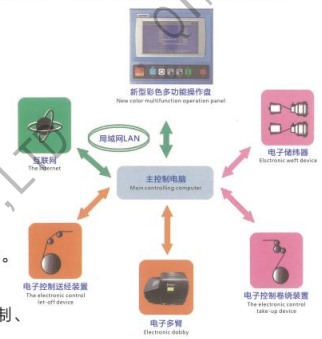
新型筘前式拉伸喷嘴
The new type stretching nozzle

智能化和人性化

INTELLIGENT & USER FRIENDLY

人机界面采用10英寸QVGA液晶屏和高可靠性触摸屏，界面采用视窗化设计，人机界面友好，操作简单。

- 参数设定功能
  设置织机的功能参数和工艺参数，视窗化的操作界面和高可靠的触摸屏，使参数的设定工作非常方便。
- 运转状态监控
  自动显示织机的运转信息（如：织机速度、织机角度、经纱张力等）、落布落轴信息和班次信息，使织机的工作状态一目了然。
- 停机原因显示
  当织机由于故障停机时，自我诊断功能可以详细显示故障的部位、原因等，维修保养十分方便。
- 生产管理功能
  提供生产报告、效率报告、停机报告、落布报告等生产管理内容。
- 参数存储功能
  系统设计了大容量存储U盘，实现织机功能参数和工艺参数的复制、备份和转移，使织机参数的管理极为便利。



The user interface adopts a 10 inch qvga liquid crystal screen and high reliability tough screen.the interface is designed in windows style,which features users friendliness and ease of operation.

- Parameter setting function
  the function and processing parameters of the weaving machine are set via a windows style operational interface and highly reliable touch screen, all of which make the setting operation very convenient.
- Running state monitoring
  The machine automatically displays running information (such as speed,angle,warp tension),plaiting,doffing and shift information,all of which give you a clear indication of the working state of the machine at a glance.
- Stop reasons display
  If the weaving machine stops suddenly,the self-diagnostic funcition will dislplay the failure position,reasons for the failure etc,all of wihch make the repair and maintenance very convenient.
- Production management functions
  The machine can supply production management documents such as production reports,efficiency reports,shutdown repors,plaiting reports,doffing reports and so on.
- Parameter storing functions
  The system has a bulk storage memory U-Disk which realizes copying,baking up and transferring of functional and technical parameters and facilitates the managemen of machine paraments.

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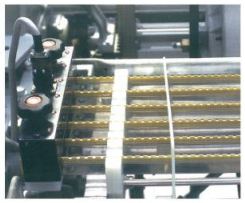
Intelligent equipment
AIR JET LOOM



断经显示
Broken Warp Display

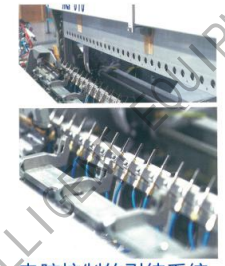
停经装置可以快速找出断经纱的位置，从而提高织造效率

Warp stop device can quickly find out the broken warp position,thereby improving the weaving efficiency.

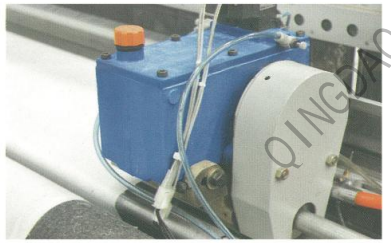
电脑控制的自动加油装置
Computer Controlled Automatic Lubricate Device

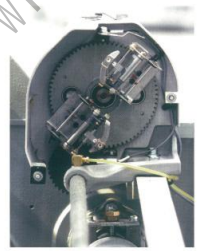
对加油部位自动适量加油，并可累计加油量

Automatically lubricate and can accumulate lubrication quantity.



电脑控制的引纬系统
Weft Insertion System Of Computerized Control





绞边装置
Selvage Device

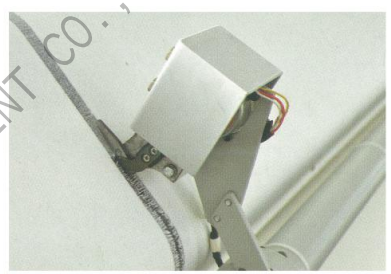
绞边方式的多种选择，电子绞边可以根据纬纱的特性设置不同的绞边时间

A variety of options for the selvage , the electronic leno selvage can be used to set different time according to the characteristics of the weft.

拆入边装置 Tuck In Device

直接将纬纱纱尾织入布边，满足了特种织物性能和风格要求

The weft yarn is tucked directly into the edge of the fabric to meet the special fabric performance and style requirements.



中开幅剪刀 Middle Cutter

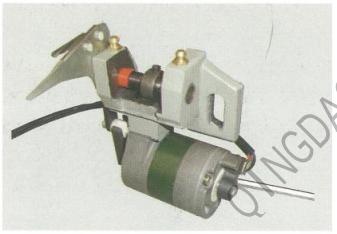
满足了宽幅织机上双开幅织布的功能需求，提高了织机自动化水平

Meets the functional requirements of dual open width weaving machine,improve automatic level for weaving machine.

电子剪刀 Electronic Cutter

结构简单、紧凑、调节方便、高速、高效、智能化

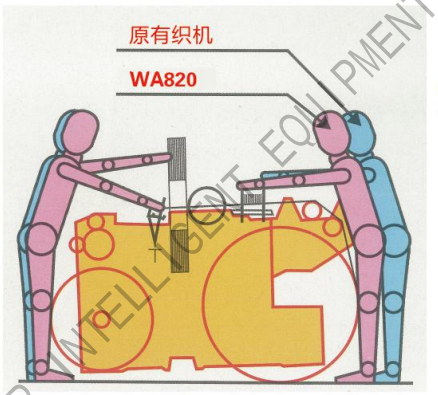
Simple and compact structure,convenient adjustment,high speed,efficient intelligent.



纬线传感器 Weft Sensor

头镀铬纬纱传感器；可设置灵敏度；光耦合器输出端

Single head chrome-plated weft sensor,sensitivity can be set. Optacoupler output.



可操作性 Easier Operational

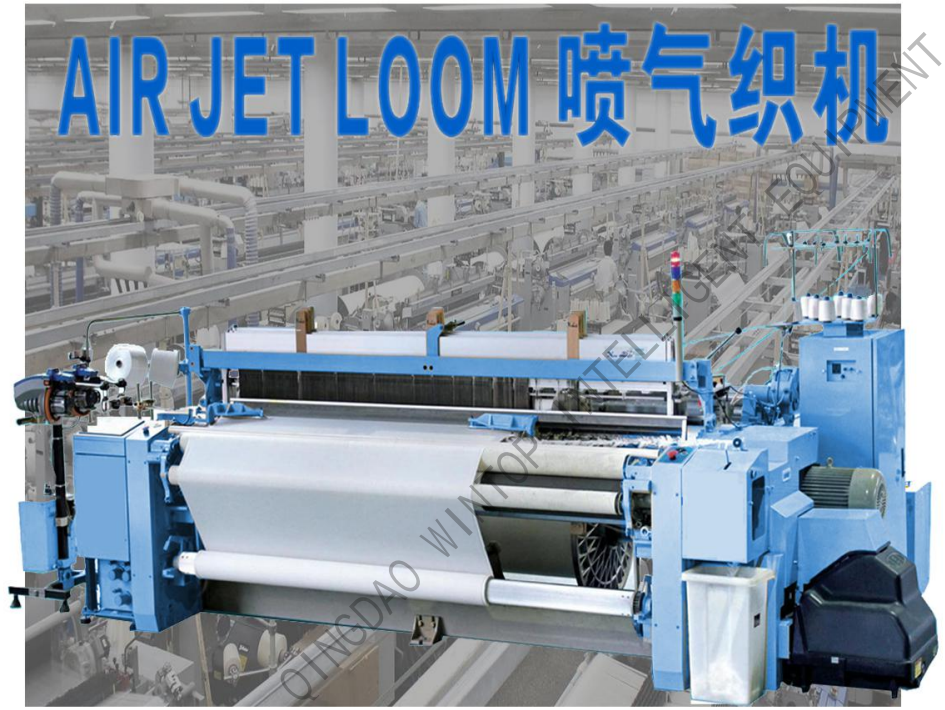
WA820织机针对挡车工操作方便的原则在不改变卷装容量的前提下对机架高度进行降低设计。

The loom is easier to operate for operators,without reducing of beam capacity;the loom frame height has been reduced for easier opera-tional.

基于人体工程设计的最佳配置，是经纱处理作业变得更加容易，大幅缩短了操作时间。

Based on the optimal configuration of human engineering design, it is easy to operate the warp yarn and shorten the operation time greatly.

Win At The Top



WA9200机型织机机架和横梁的刚性得以加强，整机具备良好的稳定性，打纬机构进一步优化，结构更加趋向合理，可采用四连杆或六连杆打纬。采用六连杆打纬时，可延长经纱开口时间，便于引纬，更适合宽幅织机织物的织造，拓宽了织机的织造范围。

该机型的开口机构可选: 曲柄开口、凸轮开口、电子多臂、大提花，具有电子送经、电子卷取、变纬密织造功能; 断经自停，双探纬电子测长，电子储纬，绞边断纱检测、捕纬边纱检测均由电子控制，使操作更具人性化。

合理的后梁结构: 后梁结构进一步优化，感应经纱张力变化更加灵敏。后张力辊托座安装在机架外侧，便于安装与维修。

该系列织机因具有高刚性机架结构等优点，适合织造高密、高细织物，又有送经、卷取和各检测单元，均采用电子控制，可有效减少停车挡、机械挡、断经、短纬等织造缺陷产生的几率，提高织造质量。

The rigidity of the frame and beam of the WA9200 loom is strengthened, the whole machine has good stability, the beating mechanism is further optimized, the structure is more reasonable, and four connecting rod or six connecting rod can be used to beat the weft. When using six links to beat weft, it can extend the opening time of warp yarn, facilitate weft insertion, and is more suitable for weaving wide width loom fabric, and broadens the weaving scope of looms.

The shedding mechanism of WA9200 model is optional: crank shedding, cam shedding, electronic dobby and jacquard, with electronic let-off, electronic take-up, and weft changing dense weaving function; broken warp self stopping, double weft detection electronic measurement, electronic weft, stranded edge yarn detection and weft catching yarn inspection are all controlled by electronic control, so that the operation is more humanized.

The reasonable beam structure: to further optimize the beam structure, the change of warp tension sensing more sensitive. After the tension roller bracket installed on the outer side of the frame, which is convenient for installation and maintenance.

This series of looms have the advantages of high rigid frame structure and so on. It is suitable for weaving high density and fine fabric. It also has the electronic control, which can effectively reduce the probability of weaving defects, such as stop gear, mechanical gear, broken warp, short weft and so on, and improve the weaving quality.

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AIR JET LOOM

WA9200喷气织机主要技术特征

AIR JET LOM WA9200 MAIN TECHNICAL CHARACTERISTICS

项目item		规格specifications	选配件spare parts
筘幅 Reed Width	公称筘幅 Nominal	150,170,190,210,230,250,280,340 150,170,190,210,230,250,280,340	
	有效穿筘幅 Useful	公称筘幅(nominal):0—60cm (150-250cm) 0—80cm(280cm以上)(>280cm)	
织造范围 Working Range		短纤(short yarm):me100-ne2.5 长丝(filament):22dtex-1350dtex	
选色 Weif Selection		单色、双色、4色、6色 1.2.4 or 6color	
动力 Motor	启动方式 Start Mode	超高速启动马达 Start motor at high speed	
		按钮式启动、停止、正反转慢动 Push-button start, stop,f/r slow move	
		按钮开关两手操作 Push-button switch handed	
	马达功率 Power	2.8Kw,3.0Kw,3.8Kw,4.5Kw 2.8Kw,3.0Kw,3.8Kw,4.5Kw	
引纬 Weif Insertion	方式 Method	固定主喷+摆动主喷+辅助喷嘴+异形筘 main nozzle+swing nozzle+sub nozzle+abnormity lock	纬纱制动器 Weft Brake
	控制 Control	进口高频电磁阀，电脑程序控制 Import high-frequency solenoid valve,computer program contol	
	辅喷电磁阀 Supporting spray solenoidvalve	变速响应电磁阀 Supporting spray solenoid valve integrated with flow cavity	
	测长储纬 Measuring weif storage	电控纱圈分离式储纬 Electric control loop separate waft storage	防止气圈装置ballooning Prevention Device
打纬 Beating	打纬机构 Beating-up Motion	双侧箱内油浴式四连杆打纬机构 Double side tank oil-bath type four-bar beating-up motion	
		多筘座脚实心打轴纬系统 Multi-sleysword solid beating-up warp and weft system	
		配备多支撑座，平衡块 Multi-supporting base,balance weight	
开口 Shedding		曲柄式平开口 Crank type flat shedding	
		下置式积极式凸轮开口 Down positive cam shedding	
		多臂开口 Dobby Shedding	
		电子提花开口 Electronic jacquard shedding	
送经 Let-off		电子伺服连续送经 Electric servo continuous let-off	双经轴 Double-warp beam
		双后梁 Twin back beam	
		积极式送经或消极式送经 Positive or negative let-off	
	经盘直径Hang Dia	800mm 800mm	1000mm
卷取 Take-up	卷取方式 Batching Method	机械卷取 mechanical continuous take-up	电子卷取Electric servo continuous take-up
	卷布方式 Batching method	机内卷布(最大直径1000mm) Entrails batching(Max dia:1000mm)	
	边撑器 Temple	下置式或上置式 Lower or upper	
绞边 Selvedge		两侧行星齿轮方式 Leno yarn by plancetary gear	
加油 Lubrication		主要传动部分为油浴方式，集中加油(油脂) for main driving parts: oil-bath type,centralized filling oil (grease)	
停车装置 Shutdown Device	纬纱断头 Weft breakage	反射式双探纬器 Reflecting doule feeler device	
	经纱断头 Warp breakage	电气停经装置 Electric warp stop device	
	其他 Others	绞边纱，纱端处理纱断头停止 selvedge,yarn end treatment,end-broken stop motion	
	停车显示 Shutdown Display	屏幕显示，多功能停车显示灯 screen display,multi-functional shutdown display lights	
纬剪 Weft Cutter		机械式剪刀 Mechanical cutter	
电控系统 Electric Control System		高分辨率大屏幕vga彩色图像显示触摸式人机界面 High-deficiency,large screen,vga color image display touch human-computer interface	

Water Jet Loom 喷水织机

WT406H 和WT508H是本公司累计十五年的织机制造经验，经过不断改进和完善的成熟机型，整机从引纬、开口、送经卷取、传动系统及整机稳固性全面改进加强，在机器配合精密度上进一步提升，并具有高速稳定连续运转的能力。在织造高密织物的生产方面拥有优良表现。本机可选配单喷、双喷、三喷、四喷、六喷电子自由选纬系统，单泵浦、双泵浦形式，平纹、凸轮、多臂、提花开口装置，同时可选配置最新研发成功的纬纱密度变化功能和车速变化功能，从而实现各类布种的完美织造。

WT406H & WT508H has been a pretty matured models after continuous improvement and perfection based on our 15 years experience in manufacturing high speed shuttle-less looms. The models have been comprehensively upgraded in filling insertion/shedding/let-off and take-up/drive system and with more sturdy structure. Precision of parts mutual cooperation has been greatly improved, which makes it run with high speed, stability and continuousness. The operational single-nozzle system/double nozzle/three-nozzle/four-nozzle/six-nozzle electronic measuring&storage system, one-pump/twin pump and plain/cam/dobby/jacquard shedding can be mounted on these types water jet loom. More over, weft pick density variation and speed variation are available, wider workable range of yarns and fabric make it capable to weave all kinds of cloth.

文韬智能装备 Wintop Intelligent equipment

WATER JET LOOM

高速、高品质 High Speed High Quality

追求织物的品质 High Quality Fabric

通过使用具有高度刚性的两侧箱型机架，减轻了高速运转时的振动，因振动的减轻，从而进一步实现了稳定的引纬与打纬，确保高水准的织物品质。
因主要的驱动部分收纳于油浴中，从而实现了更加稳定的高速运转，此外，新型喷嘴也进一步实现了高速稳定的引纬。

New type sturdy double-sided box frame reduces vibration at high-speed operation. Because of this reduced vibration, the filling insertion and the beating motion are much more stabilized which keeps fabric quality high. Its main drive is contained in an oil bath to achieve stable high-speed operation. New type nozzles also realized the filling insertion with high peed and stability.

节能 Energy Conservation

超群的经济性 Outstanding Economy

通过只在启动时瞬间提高功率达到省电的超启动马达以及不需要配有储纬鼓风机的机械测长，在大幅度节能的同时，也能压缩了运行成本。

The rush-start motor instantly provides ultra-high torque only at loom start. The mechanical feeder doesn't require a storage blower. It contributes to great energy savings and smaller running costs.

稳定的引纬性能与柔和引纬 Stable Filling Insertion Ability · soft Picking

采用提高喷射水流集束性的新型喷嘴，实现了小开口时亦可进行引纬，而且超高速运转时使用小量的喷射水，也是限量有益于纬纱的柔和引纬，不仅提高了织物的品位，也降低了水耗。

A new nozzle with improved convergence of jetting water allows filling insertion with a small shed opening. And soft picking allows stable operation of the loom even with less water jetting. It does not damage the warp during high-speed operation. Thus, fabric quality is improved and water consumption is reduced.

广泛适用性 Versatility

稳定的织口 Stable Cloth Fell

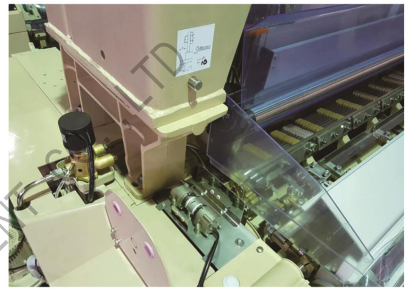
采用强韧的机架结构和高刚性的送经、卷取机构，使织口位置更加稳定，使织造范围从轻薄织物至普通厚重织物，从低密度织物至高密度织物，得到了大幅扩展，即使搭载多臂运转时，振动也轻微，能够稳定地织造出组织复杂的和不平衡组织织物。

The robust frame structure, rigid let-off and take-up stabilize the cloth fell position and the weavable range is increased from thin to middle-thick fabric, and from low to high density fabric. Even with dobby motion, vibration is low, so the WDW408 and WDW406 can easily weave fabrics of complicated or unbalanced construction.

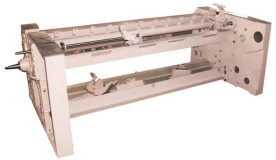
高速运转时也能作到从容地引纬 Soft Filling Insertion At High Speed

通过改良打纬曲线，加大了纬纱飞行角度。通过加强粗支强捻纱和新合纤纱的引纬稳定性，得以织造出高品质的差别化织物。更大幅度地改善了经纱开口不够稳定的织物及容易发生经纱松弛的织物等的织造效果。

The filling insertion angle is enlarged by improvements in the beating curve. Filling insertion for thick and twisted yarns or SHINGOSEN is more stabilized and value-added fabric can be woven. Furthermore, weaving is greatly improved even on a fabric with an unstable warp shedding pattern or whicheasily generates warp looseness during weaving.



强韧的机架结构 Robust Frame Structure



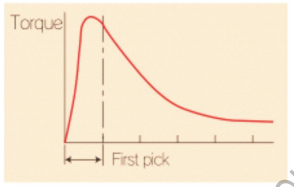
【坚固强韧的机架】

墙体采用整体式，送经墙板与侧墙板一体铸造成型，箱型结构的墙板与加强设计的横梁组合构成强韧的机架，并增加中间支撑，刚性提升的同时,有效防止了共振并大幅降低了地面震动和运行噪音,使织机的高速运转更加稳定。

【strong Frame Structure】

Let-off Frame And Side Frame Are Cast Together; Box Type Side Frames And Strengthened Chest Beam Constitute The Machine Frame. And Adding Center Supports To Increase The Rigidity And Reduce The Vibration Sounds.

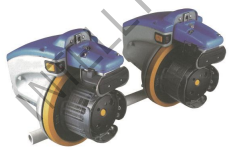
超启动马达 Rush Start Motor



超启动马达，织机启动时实现了超高倍率化的扭矩。防止了停车档和投第一纬时的纬纱松弛。直接与曲柄轴连接的大功率电磁制动器实现了织机停车的准确指定位置。

The Rush-start Motor Provides An Ultra-high Torque Start And Effectively Prevents Stop Marks And First Pick Looseness. Large Capacity Electromagnetic Brakes Directly Connected To The Crankshaft Accurately Stop The Loom At The Programmed

振动式永磁电动鼓筒储纬 Vibration Permanent Management Electric Drum Accumulator



新型电动鼓筒储纬器，具有出色的高速跟踪性能，配备积极纱线分离送纱装置，可实现细支纱到粗织纱简单稳定的储纬及解舒。

New Type Electric Drum Accumulators Are Provided With Perfect High Speed Performance Of Following; Equipped With Positive Separate Weft Release Device, Can Accumulate And Release Both Fine And Thick Yarn Easily .

Wintop 文韬智能装备
Intelligent equipment
WATER JET LOOM

WT508H双泵四喷多臂开口重磅喷水织机

WT508H Twin Pump Four Nozzle Dobby Shedding Heavy Water Jet Loom 800-1000RPM

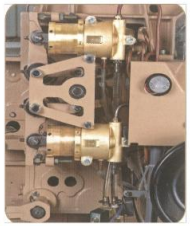
▸产品主要特点 MAIN FEATURES

强韧的机架结构：独自的具有高刚性的两侧箱型机架，可以减轻高速运转时的振动，由于振动的减轻，可以实现进一步稳定的引纬和打纬运动，从而保证织物的高品位。主要的驱动部分安排在油浴环境中，所以实现了进一步稳定的高速运转。
高速中从容引纬：通过打纬曲线的改进，加大了纬丝飞行角度，从而使各种规格的化纤原料的引纬更加稳定，开口和经纱涨力不稳定的现象得到了很大的改善，可以织造出高品质的差别化织物。
稳定的运转：由于采用了强韧的机架结构和高刚性的送经、卷取机构，使织机运行更加稳定，从而织造范围也从轻薄织物到厚中织物，从低密度到高密度织物，得到了大幅度的扩大，即使织造复杂组织的织物和开口不平衡织物时，振动也控制到很细微，能够稳定的织造。

Robust frame structure: Detached sturdy double-side box frame which reduces vibration at high-speed operation. Because of this reduces vibration, the weft insertion and beating motion are much more stabilized which keeps fabric quality high.
Its main drive is contained in an oil bath to achieve stable high-speed operation.
Weft insertion methodically at high speed: the weft insertion angle is enlarged by improvement in the beating curve that ensure weft insertion stably for all kinds of chemical fiber materials, as the great improvement of unstable situation of shedding and warp yarn tension ensure weaving the differentiation fabric with high quality.
Stable running: the robust frame structure, rigid let off and take up stabilize the loom running and the weaving range is increased from thin to middle-think fabrics, and from low to high density fabric, Even weave fabrics of complicated or unbalanced construction, vibration.

▸规格参数 SPECIFICATION

双泵结构 Twin Pump



- 可选择：机械送经、机械卷取，电子送经、电子卷取。
- 可选择：RDP机械测长，1-6喷电子自由选纬。
- 可配置：凸轮开口、多臂开口和提花装置。
- 可选择幅宽：135,150,170,190,210,230,260,280,300,320,340,360CM。
- 纬密范围：4-100根/cm（根据实际经纬纱规格和织物组织确定）。
- 设计最高转速：750转/分钟（根据实际经纬纱规格和织物组织确定）。
- 综框片数：凸轮开口2-14片，多臂开口16片。
- 装机功率：2.8kw-5.4kw。

- Optional: mechanical let-off mechanism, mechanical take up mechanism , electronic let-off mechanism, electronic take up mechanism.
- Optional: RDP mechanical measuring & storage device, 1-6 nozzle electronic weft selecting freely.
- Configurable shedding devices: cam shedding; dobby shedding ;jacquard.
- Optional reed width:135,150,170,190,210,230,260,280,300,320,340,360CM
- The weft density range: 4-100 pick/cm(Identified according to actual weft yarn specifications and fabric weave).
- Maximum speed：750RPM(identified according to actual weft yarn specifications and fabric weave).
- Heald frame number: crank shedding 2-8 pieces; cam shedding 2-14 pieces; dobby shedding 16pieces.
- Install power: 2.8kw-5.4kw.

Win At The Top

Wintop 文韬智能装备
Intelligent equipment
WATER JET LOOM

WT406H单泵双喷平机重磅喷水织机

WT406H Single Pump Double Nozzle
Crank Shedding Heavy Water Jet Loom 800-1000RPM

▸产品主要特点 MAIN FEATURES

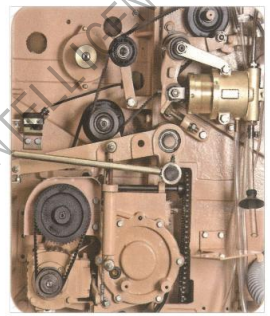
主要特点： WT406H 系列重磅型喷水织机是在 WT851 系列标准型喷水织机的基础上，对主要运动部件及机架结构进行了重新优化设计，对打纬和送经机构，卷取机构进行了改进，增加了送经辅助装置，使整机运行更加平稳，降低了织机运行中出现的振动和噪音，提高了织机的运转效率，扩大了织造产品的范围。

Main features: WT406H designed ,base on WT851 series water-jet loom ,which is optimizing the main component and frame structure improving the beating-up ,let-off mechanism and take up mechanism ,installing assistant device on let-off mechanism ,all of this ensure the running stably and reduce vibration and noise ,increase efficiency and enlarge the weaving range.

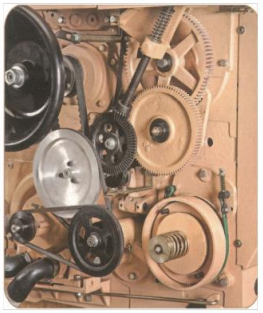
▸规格参数 SPECIFICATION

- 可选择：机械送经、机械卷取，电子送经、电子卷取。
- 可选择：RDP机械测长，1-6喷电子自由选纬。
- 可配置：曲柄开口、凸轮开口、多臂开口和提花装置。
- 可选择幅宽：135,150,170,190,210,230,260,280,300,320,340,360CM。
- 纬密范围：4-100根/cm（根据实际经纬纱规格和织物组织确定）。
- 设计最高转速：900转/分钟（根据实际经纬纱规格和织物组织确定）。
- 综框片数：曲柄开口2-8片，凸轮开口2-14片，多臂开口16片。
- 装机功率：1.5kw-5.4kw。

- Optional: mechanical let-off mechanism, mechanical take up mechanism , electronic let-off mechanism, electronic take up mechanism.
- Optional: RDP mechanical measuring & storage device, 1-6 nozzle electronic weft selecting freely.
- Configurable shedding devices: crank shedding; cam shedding; dobby shedding; jacquard.
- Optional reed width: 135,150,170,190,210,230,260,280,300,320,340,360CM.
- The weft density range: 4-100 pick/cm(Identified according to actual weft yarn specifications and fabric weave).
- Maximum speed: 900RPM(identified according to actual weft yarn specifications and fabric weave).
- Heald frame number: crank shedding 2-8 pieces; cam shedding 2-14 pieces; dobby shedding 16pieces.
- Install power: 1.5kw-5.4kw.



机械送经
Mechanical Let Off



机械卷取
Mechanical Take Up

可选配件 Optional

电送电卷 ELO&ETU

◂电子送经(ELO)
Electronic Let off

电子卷取(ETU)▸
Electronic Take Up

电子送经：

特点和作用：根据经纱张力和经轴直径的变化，通过电子张力传感器，检测并传输到CPU进行精确计算后，指令伺服电机对经纱张力按照设定张力进行精确控制，从而保证平稳的送经量，避免因送经量不平衡而产生的纬挡，该装置同时具备智能微调功能，可以通过分时间段设定一定的补偿量，减轻或解决因停机造成的经纱伸长而产生的开机纬挡问题。

Electronic let-off mechanism

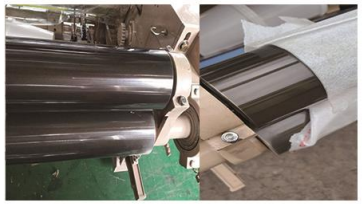
Futures and functions: According to the changes of warp yarn tension and warp beam diameter, testing and transferring to CPU for accurate calculation via electronic tension sensor, dictate servo motor to control the warp yarn tension to ensure balanced let-off, to avoid weft mark. At the same time, the device have the function of intelligent fine turning by saving volume piecewise which reduce or solve the stop marks problem caused by warp elongation when the loom stop.

电子卷取：

特点和作用：使用AC伺服电机，按照设定的纬密度数据，通过计算机精确计算，精确控制卷取量，从而经过电机紧密配合，达到织物纬密度的设计要求，同时减少了因产品纬密度不同，需要更换纬密齿轮的烦琐，弥补了机械卷取装置无法完成差别化纬密织物织造的缺点。

Electronic take up mechanism

Features and Functions: Use AC servo motor, control take up according to pre-set the weft density date and via accurate calculation of CPU and coordination of machine and electricity, reach design requirement of fabric density. Meanwhile, there is the function for make up the shortcoming of mechanical take up can not distinguish weft density fabric that reduce the process to change weft density gear caused by differentiation of weft density.



陶瓷辊子
Ceramic roller

It is more hard, and good for twisted yarn

WBS纬纱制动器
WBS Weft Braker

大幅减少因为结束时发生的峰值张力，实现高速状态下强捻织物起皱均匀。有效防止加工造丝过程中产生紧纬和松纬。

WBS can much reduce the crest value of tension, this can ensure well - proportioned wrinkle of high twisting fabrics and can prevent tight or loose weft.

全系统集中供油 One Time Oil Filling