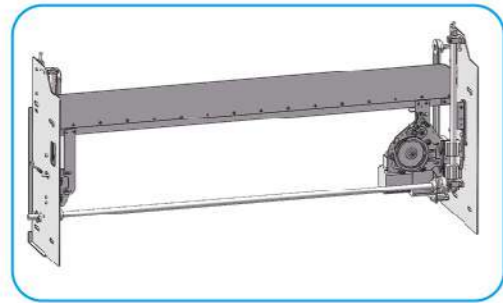


# NON WASTE YARN COMB DEVICE

## 零废纱起底板装置



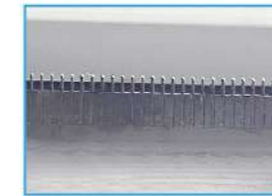
### PRODUCT FEATURES | 产品特点

<p><b>Core Technology:</b> zero Intermediate Yarn, Zero Waste Yarn, and Zero Manual Work. Features: Intelligence, Energy Conservation, High Efficiency.</p>	<p>核心技术:零间纱、零废纱、零人工; “智能、节能、高效”。</p>
<p><b>Core value:</b> Improve economic benefits for users in the knitting industry.</p>	<p>核心价值: 为针织行业用户提高经济效益。</p>
<p><b>ROI:</b> Less investment returns faster.</p>	<p>投资回报率: 投资少回报快。</p>

### PRODUCT SPECIFICATION | 产品参数

Gauge 针距	5G、57G、7G、8G、9G、10G、12G、14G、16G
Carriage 机头	Single System, Double System, Three System 单系统、双系统、三系统
Knitting width 编织幅宽	52"、56"、60"、66"、72"、80"、100"

Specification and configurations should be subjected to the contract with customer. 规格配置以合同为准



1. Provides stable traction, makes the garment piece tissue tension more uniform, reliable, and can realize the automatic bottoming of the zero-interval yarn.  
提供稳定的牵引力, 使衣片组织拉力更均匀, 力度可靠, 可实现零间纱自动起底。
2. High precision step motor is used for wire feeding, and servo motor is used to control up and down pulling position to make the position more stable.  
用高精度步进电机送丝, 用伺服电机控制上下牵拉位置更稳定。
3. The device equipped with 2 clips and 1 scissors on both sides.  
左右各配两个夹子和一把剪刀。

### Super-sensitive automatic reset probe 自动复位超灵敏智能探针



1. Automatic reset function, which ensures any deviation of the probe can be reset automatically regardless of the area.  
自动复位功能, 保证探针在任何区域碰歪, 都能自动扶正。
2. A new innovative design of two-point induction guarantees immediately stop alarm when touching floating cloth or occurs any broken needles.  
用双点感应的创新设计确保探针碰到浮片或坏针立即报警停车, 实现探针感应超灵敏性能。
3. Super-sensitive automatic reset probe only works in current weaving width area, no false alarm beyond this. Freely operation, energy efficiency.  
自动复位超灵敏智能探针器在当前编织幅宽内报警, 编织区外任何区域不误报, 让您操作自如, 节能高效。

针织设备专业制造商  
Knitting machine supplier



宁波昊越纺织科技有限公司  
NINGBO HAOYUE TEXTILE TECH CO.,LTD.

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宁波昊越纺织科技有限公司  
NINGBO HAOYUE TEXTILE TECH CO.,LTD.



# 匠心精神

在人才方面，我们力求引进社会中更丰裕的资本和更优秀的创新人才。在思想观念方面，我们掌握先进的管理观念和方法，创新经营管理思维系统。

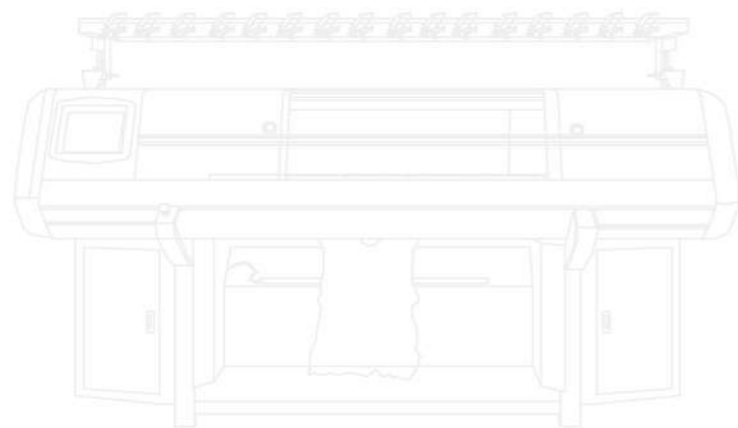
在知识技术方面，我们力求发展原创的创新技术成果，强调根据客户各自独特的需要提供整合的技术方案。

## THE SPIRIT OF ORIGINALITY

Excellent innovative talents from the society.

Regarding the ideas and thinking,Xiangrui grasps the advanced management concept and method to innovate upon and manage the advanced management thinking system.

In the sector of intellectual technology,Xiangrui tries hard to develop the original innovation technology fruits.It emphasizes to offer an integrative technical plan according to the respectively unique requirements from vast clients.





宁波昊越纺织科技有限公司是一家专业生产、销售电脑横机和专业织领机（如毛衣、飞织鞋面、POLO领、罗纹、围巾、帽子、毛毯等）的高科技企业。25年的专注和坚守，持续的经验积累及技术精进，赢得了国内外众多客户的信赖。公司拥有丰富的技术优势，设施设备完善，管理体系完整。将持续为客户提供更高品质，更好服务，更优价格的针织设备。以人为本，以质量求生存，互利共赢是我们的理念。

NINGBO HAOYUE TEXTILE TECH CO.LTD is a professional high-tech manufacturer, production & sales of computerized flat knitting machine and professional collar knitting machine(such as sweater, shoe upper, polo collar,rib, scarf, hat,blanket etc.) By 25 years concentration and persistence,accumulated experience and technical progress, We have won the trust from many domestic and overseas suppliers. We own abundant technical advantages. Excellent facility,perfect quality management system. We will offer better quality, better service, better prices to our customers. People foremost, success through quality. Mutual benefit and double-win outcomes are our conception.







## ACCURATE 精准布局市场

It makes the accurate market positioning so that every time of production and service can get maximum approval from vast clients.

All the employees have the rigorous work attitudes. We lay great important upon every detail with high requirements. We treat each item of the work with high quality.

The careful and rigorous work style, the concise and harmonious cultural atmosphere promote the employees to manufacture the perfect products.

精准的市场定位，每项生产每项服务都能够得到客户最大的认可；

全员认真的工作态度，注重细节，高要求，高质量地对待每一项工作；

细致严谨的工作作风和简洁和谐的文化氛围，带动员工制造完美的产品；







# SCIENTIFIC MANAGEMENT OF PRODUCTION 科学管理生产

## WIN-WIN WITH EMPLOYEES 与员工共赢

企业与员工共赢才是真正意义上最大的赢。我们认为，企业要发展长青，需要的是集体的力量与智慧，与员工同甘苦共分享，成就企业的同时成就员工。

Double-win with the employees: Double-win with the enterprise and the Double-win with the employees: Double-win with the enterprise and the enterprise wants evergreen developments, it requires the collective strength and intelligence. We shall share joy and sorrow with all the employees. At the same time of the enterprise, S gaining the success, the employees also fulfill their dreams.



- 1、整理seiri
- 2、整顿seiton
- 3、清扫seisu
- 4、清洁seiketsu
- 5、素养shitsuke
- 6、安全safety



## WIN-WIN WITH CUSTOMERS 与客户共赢

紧紧抓住了国家大力发展技术密集型产业的政策机遇，扩大同客户之间的合作，在发展自身行业领先地位的同时，为客户提供最具价值的产品，谋求和客户最大的共赢。

Double-win with the clients: Xiangrui tightly grasps the policy opportunity that china is vigorously developing the technology intensive type industries .It expands the cooperation with the customers.At the same time of developing its own leading position in the same industry,it provides the clients with the most valuable products. It seeks maximum double -win with extensive customers.



# LOOK TO THE FUTURE 展望未来



INDIA-2015



INDIA-2015



BANGLADESH-DTG2018



BANGLADESH-DTG2018



SHANGHAI-ITMAASIA+CITME-2016



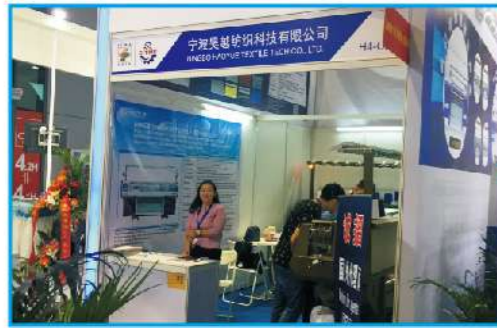
INDIA-2016



INDIA-2018



INDIA-2019



SHANGHAI-ITMAASIA+CITME-2016



INDIA-2017



SHANGHAI-ITMAASIA+CITME-2018



SHANGHAI-ITMAASIA+CITME-2018



UZBEKISTAN-2017



VIETNAM-2018



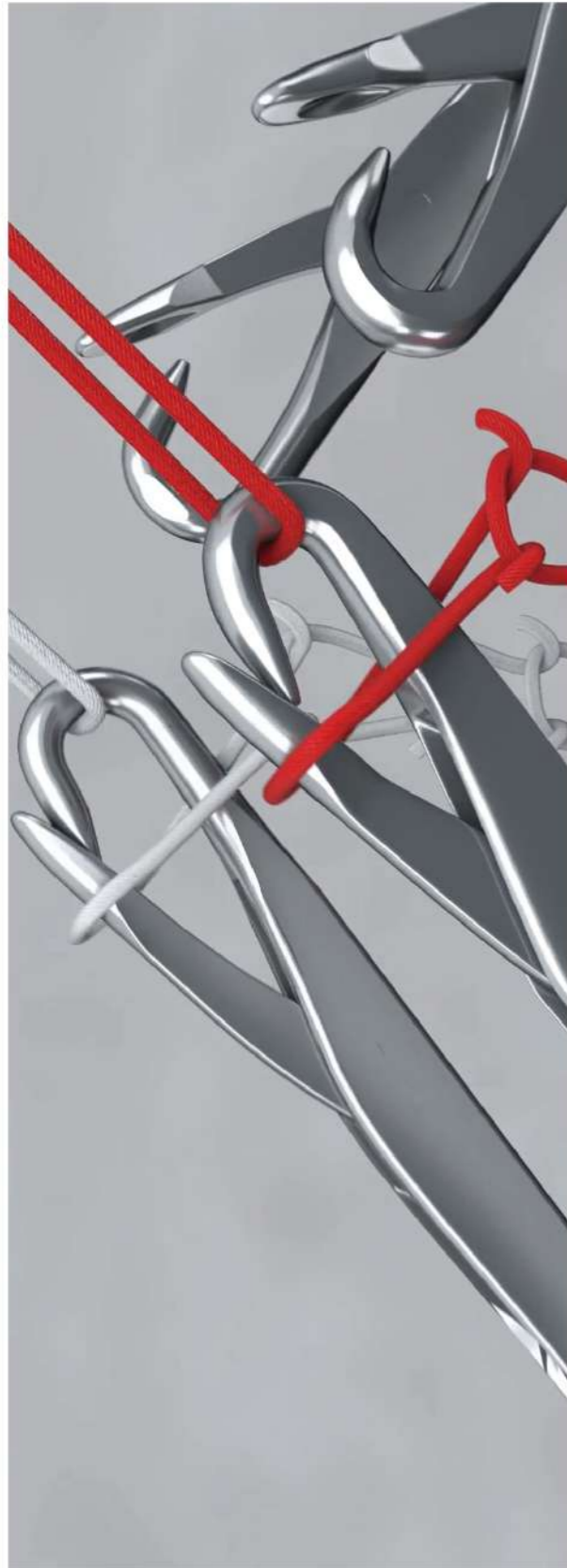
SHANGHAI-ITMAASIA+CITME-2018



SHANGHAI-ITMAASIA+CITME-2018



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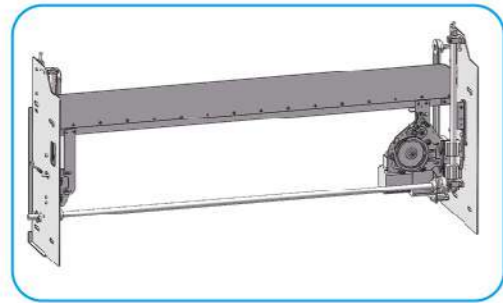
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## PRODUCT 产品介绍 INTRODUCTION



# NON WASTE YARN COMB DEVICE

## 零废纱起底板装置



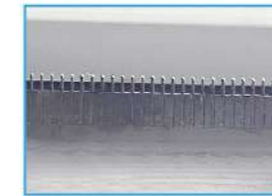
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1. Provides stable traction, makes the garment piece tissue tension more uniform, reliable, and can realize the automatic bottoming of the zero-interval yarn.  
提供稳定的牵引力, 使衣片组织拉力更均匀, 力度可靠, 可实现零间纱自动起底。
2. High precision step motor is used for wire feeding, and servo motor is used to control up and down pulling position to make the position more stable.  
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3. The device equipped with 2 clips and 1 scissors on both sides.  
左右各配两个夹子和一把剪刀。

### Super-sensitive automatic reset probe 自动复位超灵敏智能探针



1. Automatic reset function, which ensures any deviation of the probe can be reset automatically regardless of the area.  
自动复位功能, 保证探针在任何区域碰歪, 都能自动扶正。
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用双点感应的创新设计确保探针碰到浮片或坏针立即报警停车, 实现探针感应超灵敏性能。
3. Super-sensitive automatic reset probe only works in current weaving width area, no false alarm beyond this. Freely operation, energy efficiency.  
自动复位超灵敏智能探针器在当前编织幅宽内报警, 编织区外任何区域不误报, 让您操作自如, 节能高效。



# MOTORIZED FEEDER

## 智跑式纱嘴



### PRODUCT FEATURES | 产品特点

Drive and control integrated servo motor, yarn carrier with independent control, real-time, faster and more stable.	采用驱控一体伺服电机，纱嘴独立控制，实时性强，速度更快，更稳定。
Servo flexible algorithm, fast start and stop, precise position.	伺服柔性算法，启停快，位置精准。
Feeder collision avoidance technology; the system automatically calculates the parking position of yarn carrier, without need to kick the yarn, greatly saving the knitting length.	纱嘴自动避让技术，系统自动计算纱嘴停放位置，无需机头踢纱，极大节省编织行程。
Support 32 yarn feeders that are automatically arranged.	支持多达32把纱嘴，纱嘴自动排列。
Same-line multi-color plaiting technology, no need for head rotation; Automatic switch of the yarn carriage realizes the multi-color plaiting effect.	同行多色坎毛技术，机头无需回转，通过纱嘴实现多色坎毛效果。
Same-line single needle plaiting technology, no need for head rotation; Automatic switch of the yarn carriage realizes the multi-color plaiting effect.	同行单针坎毛技术，机头无需回转，通过纱嘴实现单针坎毛效果。

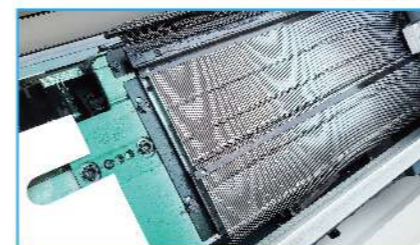
### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	5G、57G、7G、8G、9G、10G、12G、14G、16G
Carriage 机头	Double System, Three System 双系统、三系统
Knitting width 编织幅宽	52"、56"、60"、66"、72"、80"、100"

Specification and configurations should be subjected to the contract with customer. 规格配置以合同为准



SINGLE SYSTEM CARRIAGE



### CARRIAGE 机头

Linear velocity of the head can reach 1.6m/s. The stroke can be adjusted according to the weaving the weaving width. Fast response and accurate location can avoid the invalid movements and increase the production efficiency. Each system is equipped with five functions as rib transfer, weaving, hanging head, non-weave and pin. In addition, it is secured by short-circuited electromagnetism, motor overcurrent, Locked-Rotor, etc...

机头速度最高可达1.6m/s，可根据编织宽度对机头行程进行自动调整，反应快速，定位精准，避免了无效的移动，最大程度的提高了机器的生产效率，每个系统具备翻针、编织、吊目、不织、接针五大功能，还具有电磁铁短路，电机过流，堵转等保护功能。

### NEEDLE BED 针床

Split design, insert part fits with the needle are made of imported steel through fine blanking and grinding, which reduces the wear and tear of the stitches, decreases the resistance of the stitches, and effectively improves the knitting efficiency.

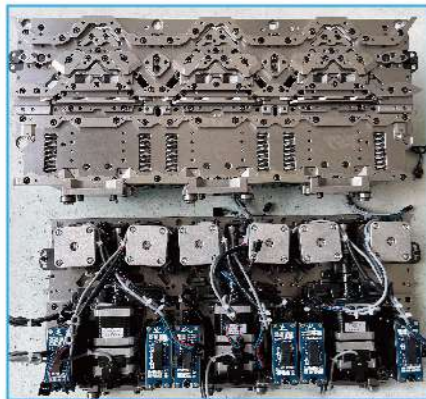
分本设计，与针磨合部分的插片采用进口钢材经精冲与研磨制造而成，减少与针脚的磨损，降低针脚阻力，有效提高了编织效率。



# DYNAMIC STITCH

## 动态度目

### PRODUCT SPECIFICATION | 产品参数



#### DYNAMIC STITCH 动态度目

It supports multi-segment stitch control of patterns in one line, realizes the weaving of multiple fabrics with different densities in the same line, and further improves weaving efficiency and diversity of the weaving forms.

支持花型在一行内实现多段度目控制，实现同行多种不同密度的织物编织，进一步提高编织效率以及编织形式的多样性。

High-speed and High-efficiency 高速高效

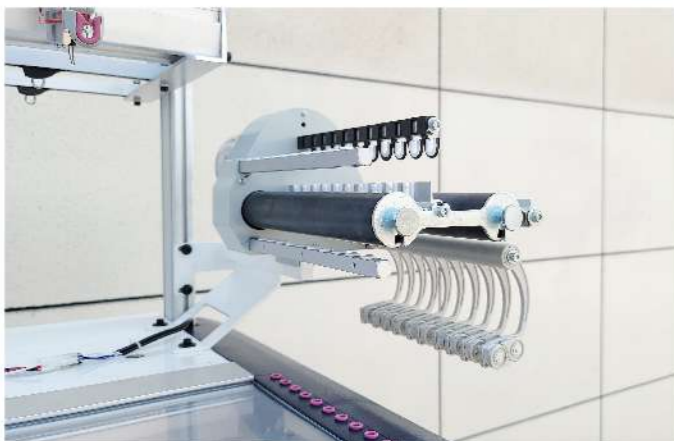
Increase the carriage return speed and productivity as well as avoid the worn of the carriage rail. In case of 12Gauge, HIGH-SPEED return can improve efficiency as more than 20%, compared with old system.

快速回转功能，大大提供换向速度提高机器编织效率并有效避免大杠磨损。以12针为例，与旧系统相对比，快速回转机器编织效率提高20%以上。



#### AUTOMATIC REFUELING 自动加油

In order to make the machine work better, we have developed 24-hours intelligent system for automatic refueling.  
自动加油，二十四小时智能呵护机器（全电脑控制）



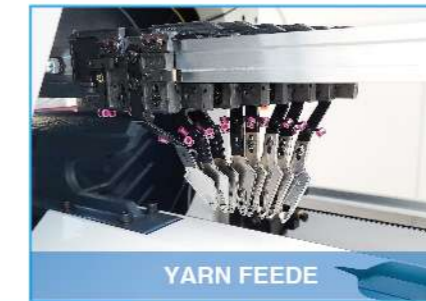
#### POSITIVE YARN FEEDER 滚筒送纱器

Positive yarn providing, successfully reduce yarn resistance, increase knitting efficiency.

积极送纱器能有效减少输送纱线时的阻力，特别适用于弹性较差或者脆性较大的织物，如羊绒、兔绒等纱线的织物，使织物组织均匀，提高机器纺织效率。



YARN STORAGE DEVICE



YARN FEEDER



WEFT STORAGE DEVICE



#### DISPLAY SCREEN WITH KEYBOARD

带键盘的操作显示屏

It adopts industry LCD display with graphic touch control, multi-color, all time monitoring function. The data of the knitting amount, time, speed, roller, stitch, yarn feeder, etc... is clearly shown and can be adjusted in the process. It is most convenient and efficient way to amend the data.

采用LCD工业显示器，显示器图形化界面，彩色显示，工作时可显示编织件数、完成件数、编织时间、速度、罗拉、度目、纱嘴等各种工作参数，并在机器运转时能随时进行调整所需数据，最大限度方便操作及节约时间，使您在关注织物的同时输入机器指令，方便在机器上修改工作参数及改变花型。



### WEAVING SERIES | 编织样品





# WHOLE GARMENT 全成型电脑横机



## PRODUCT FEATURES | 产品特点

<b>5.0 inch motor control small carriage: High efficiency, good stability, alarm when abnormal, prevent needle crash.</b>	5.0英寸全电机编码器小机头：效率高，稳定性好，异常报警，杜绝撞针。
<b>Fully formed combined roller: The transverse tension and front and rear bed are separately controlled. It can realize the independent control of a variety of pulling forces and front and rear beds in one line, and meet the pulling force requirements of different organizations. It is a necessary configuration for whole garment.</b>	全成型组合罗拉：拉力横向及前后床分段单独控制，可实现一行里面多种拉力及前后床独立控制，满足不同组织的拉力需求，是做高端全成型衣服的必要配置。
<b>Bilateral needle closure: The left and right sides of the same row receive the needle at the same time, high speed and efficiency.</b>	双向收针：同一行左右两边同时收针，高速高效。
<b>Dynamic density: Different stitch in one row</b>	动态度目：单行度目多次可变，编织花型更加丰富。
<b>Force loop-off technology: Avoid stitch missing problem</b>	强制脱圈：一键开启，解决包头针。
<b>Zero waiting racking: Transfer and knit occurs synchronous, more efficient.</b>	摇床零等待：翻针编织同步进行，效率更高。
<b>Various kinds of knitting: Pointelle, tuck, intarsia, full needle, all kinds of jacquard, apparent shape, open needle, hidden shape and so on</b>	各类组织：实现挑孔、吊目、嵌花、四平、各类提花、明收针、明放针、暗收针、夹丝、衬纬等各类组织以及全成型衣服。
<b>Wide application: Use wool, cashmere, cotton, chemical fiber, silk and all kinds of blended yarn.</b>	适用性广：使用羊毛、羊绒、棉、化纤、真丝及各类混纺纱线。
<b>Longer life: Needle plate is oiled automatically to reduce the wear between needle and needle bed and prolong service life.</b>	寿命更长：针板自动加油，减少针与山板磨损，延长使用寿命。

## PRODUCT SPECIFICATION | 产品参数

Gauge 针型	6.2G、7.2G、9.2G、10.2G、13.2G
Knitting width 编织幅宽	72,80 inch
Knitting system 编织系统	WHOLE GARMENT SYSTEM 全成型系统
Knitting speed 编织速度	Controlled by servo-motor with 128sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，128段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Pointelle, tuck, intarsia, full needle, all kinds of jacquard, apparent shape, open needle, hidden shape and so on. 实现挑孔、吊目、嵌花、四平、各类提花、明收针、明放针、暗收针、夹丝、衬纬等各类组织以及全成型衣服。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. Transfer and knit occurs synchronous, more efficient. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。翻针编织同步进行，效率更高。
Stitch density 线圈密度	Controlled by stepping motor, 128 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，128段密度选择，采用细分基数，可调范围0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector. which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Combined design, single or double cam system all can transfer together or separately. Also one cam do transfer, another cam system for knitting, which will achieve high production. 三角复合设计，可单独或同时翻针，从而提高生产效率。
Sinker system 沉降片系统	Controlled by stepping motor, adjustable to different knitwear, up to be various results of shaping and patterns. 电子步进电机微调控制沉降片系统，可依纱的材质调整参数设定。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	The transverse tension and front and rear bed are separately controlled. It can realize the independent control of a variety of pulling forces and front and rear beds in one line, and meet the pulling force requirements of different organizations. It is a necessary configuration for whole garment. 拉力横向及前后床分段单独控制，可实现一行里面多种拉力及前后床独立控制，满足不同组织的拉力需求，是做高端全成型衣服的必要配置。
Color-changing system 换色系统	2x8 yarn feeders on each side of 4 guide rails, shift able on any needle position; Motorized Feeder(Optional). 4根导轨2*8把纱嘴，可在针床的任何位置移动；智跑纱嘴（选装）。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性。
Non waste yarn Comb device 零废纱起底板	The device equipped with 2 clips and 1 scissors on both sides. High precision step motor is used for wire feeding, and servo motor is used to control up and down. 左右各配两个夹子和一把剪刀，用高精度步进电机送丝，用伺服电机控制上下。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1.LCD industrial display, Can display various parameters, which can be adjustable during operation. 2.USB memory interface, System memory 2G. 3.Free design system is visual and easy to understand and software upgrade free of charge. 4.Support multi-language operation as Chinese and English, Spanish, Russian etc. 1.机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。2.扩展内存高达2G。 3.设计系统和控制系统(软件)易于免费更新。4.多语言操作系统，有中文，英文，西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Network function 网络功能	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	3500*1000*1800mm, 1450kgs(72inch); 3700*1000*1800mm, 1500kgs(80inch)



# DOUBLE SYSTEM

## 双系统电脑横机



Different outlook available 可选配外观



Different outlook available 可选配外观

### PRODUCT FEATURES | 产品特点

Double system has high roller, high-performance sinker, dynamic stitch, motor control reserving carriage, digital technology, high-speed and efficient, to achieve pointelle, tuck, jacquard, intarsia, full needle jacquard, apparent shape, hidden shape, and other irregular patterns. suitable for wool, cashmere, cotton, chemical fiber, silk and all kinds of blended yarn, the production of sweaters, blanket, scarfs, gloves, hats and knitted apparel accessories.

双系统，高位罗拉、高性能沉降片、动态度目、电机换向，采用数字化技术，高速高效，实现挑孔、吊目、嵌花、四平、提花、明收针、暗收针、以及其他无规则花型编织功能。适用于羊毛、羊绒、棉、化纤、真丝以及各类混纺纱线，生产毛衫、毛毯、围巾、帽子以及服装附件。

### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	3G、3.5G、5G、5/7G、7G、8G、9G、10G、12G、14G、16G、18G
Knitting width 编织幅宽	52,60,66,72,80,100inch
Knitting system 编织系统	Double system 双系统 Double carriage double system(optional) 2+2双头双系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，32段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，32段密度选择，采用细分基数，可调范围0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Combined design, single or double cam system all can transfer together or separately. Also one cam do transfer, another cam system for knitting, which will achieve high production. 三角复合设计，可单独或同时翻针，从而提高生产效率。
Sinker system 沉降片系统	Controlled by stepping motor, adjustable to different knitwear, up to be various results of shaping and patterns. 电子步进电机微调控制沉降片系统，可依纱的材质调整参数设定。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm, Computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100. 红外线报警，电脑程序指令，步进马达控制，32段拉力选择，可调范围0-100
Color-changing system 换色系统	2x8 yarn feeders on each side of 4 guide rails, shift able on any needle position. 4根导轨2*8把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性 3G-10G Adopts roller feeding device; 3-10G采用滚筒送纱器。12G-18G Adopts the yarn storage device; 12-18G采用储纱器。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Non waste yarn Comb device 零废纱起底板	Non waste yarn Comb device (Optional) 零废纱起底板(选装)
Volume and weight 机器尺寸及重量	3000*1000*1800mm, 1050kgs(52inch)



# THREE SYSTEM

## 三系统电脑横机



### PRODUCT FEATURES | 产品特点

Three system, this series have two models: with comb and without comb, with digital technology, it could implement the rib transfer jacquard, needle narrowing and other weaving functions. also, it can knit basic knitting (full needle, single side) the weft knitted fabric like cable stitch. this applies to spun silk, synthetic filament, wool, acrylic, blending yarn and other materials, sweaters, blanket, scarfs, hats and clothing accessories.

三系统，三系统，该系列为有起底板和无起底板装置两种全自动电脑横机，采用数字化技术，实现横机的翻针、吊目、挑孔、提花、明收针及其它规则花型编织功能。可编织基本针织组织（四平、单面等）多色无规则提花、绞花等纬编组织。适用于真丝、绢丝、合纤丝、羊毛、腈纶、混纺、纱线等原料编织毛衫成衣、毛毯、围巾、帽子以及服装附件。

### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	5G、5/7G、7G、8G、9G、10G、12G、14G、16G、18G
Knitting width 编织幅宽	52,60,66,72,80,100inch
Knitting system 编织系统	Three system 三系统 Double carriage three system(optional) 3+3双头三系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，32段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，32段密度选择，采用细分基数，可调范围:0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Combined design, single or double cam system all can transfer together or separately. Also one cam do transfer, another cam system for knitting, which will achieve high production. 三角复合设计，可单独或同时翻针，从而提高生产效率。
Sinker system 沉降片系统	Controlled by stepping motor, adjustable to different knitwear, up to be various results of shaping and patterns. 电子步进电机微调控制沉降片系统，可依纱的材质调整参数设定。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm,Computer programs instruction, stepper motor control,32-stagetension selection with an adjustable range between0-100. 红外线报警，电脑程序指令，步进马达控制，32段拉力选择，可调范围:0-100
Color-changing system 换色系统	2x8 yarn feeders on each side of 4 guide rails, shift able on any needle position. 4根导轨2*8把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性 3G-10G Adopts roller feeding device; 3-10G采用滚筒送纱器。 12G-18G Adopts the yarn storage device; 12-18G采用储纱器。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Network function 网络功能	Has network interface,enable remote-monitoring via network,and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V,adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Non waste yarn Comb device 零废纱起底板	Non waste yarn Comb device (Optional) 零废纱起底板(选装)
Volume and weight 机器尺寸及重量	3000*1000*1800mm,1150kgs(52inch) ;3300*1000*1800mm,1250kgs(60inch) 3500*1000*1800mm,1350kgs(72inch) ;3700*1000*1800mm,1450kgs(80inch)



# SIMPLE DOUBLE SYSTEM

## 直双系统电脑横机



### PRODUCT FEATURES | 产品特点

The single-system flat knitting machine with milling type needle bed. Insert type needle bed(optional). non-waste yarn COMB device(optional). This series adopts digital technology, which can realize the functions of transfer, tuck, hole picking, jacquard, needle narrowing, and other regular pattern knitting functions of the flat knitting machine. The machine can automatically scan the knitting file before starting knitting and automatically select the system suitable for the pattern, thus genuinely realizing the fast rotation of the machine carriage with high speed and high efficiency.

直双系统电脑横机，针板为一体铣板。可选装插片型，可选装零废纱装置。采用数字技术，可以实现横机的翻针，挑孔，吊目，嵌花，无虚线提花，四平提花，明收针，暗收针，以及其他有规则花型。开始编织前，可以自动扫描编织文件，选择适合花型的系统，真正实现提供机头快速回转，高速高效。

### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	7G、9G、10G、12G、14G、16G
Knitting width 编织幅宽	52,60,80,100inch
Knitting system 编织系统	Simple double system 直双系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，32段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，32段密度选择，采用细分基数，可调范围:0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Not affected by the direction of the carriage, minute knitting. 不受机头方向影响，分针编织。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm, Computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100. 红外线报警，电脑程序指令，步进马达控制，32段拉力选择，可调范围:0-100
Color-changing system 换色系统	2x4 yarn feeders on each side of 4 guide rails, shift able on any needle position. 4根导轨8把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性 7G-10G Adopts roller feeding device; 3-10G 采用滚筒送纱器。 12G-16G Adopts the yarn storage device; 12-18G 采用储纱器。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Non waste yarn Comb device 零废纱起底板	Non waste yarn Comb device (Optional) 零废纱起底板(选装)
Volume and weight 机器尺寸及重量	2500*900*1700mm, 700kgs(52inch)



# SINGLE SYSTEM

## 单系统电脑横机



### PRODUCT FEATURES | 产品特点

The single-system flat knitting machine with milling type needle bed. Insert type needle bed(optional). Non-waste yarn COMB device(optional). This series adopts digital technology, which can realize the functions of transfer, tuck, hole picking, jacquard, needle narrowing, and other regular pattern knitting functions of the flat knitting machine. This series can weave basic knitting patterns (full needle, single side, Etc.), multi-color irregular jacquard, and twisted weft knitting. This series is suitable for knitting sweaters, blanket, scarfs, hats, and clothing accessories.

单系统，针板为一体铣板。可选装插片型，可选装零废纱装置。采用数字化技术，实现横机的翻针、吊目、挑孔、提花、明收针及其它规则花型编织功能。可编织基本针织组织（四平、单面等）多色无规则提花、绞花等纬编组织。适用于编织毛衫成衣、毛毯、围巾、帽子以及服装附件。

### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	7G、9G、10G、12G、14G、16G
Knitting width 编织幅宽	52,60,80,100inch
Knitting system 编织系统	Single system 单系统 Double carriage single system(optional) 1+1双头单系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，32段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，32段密度选择，采用细分基数，可调范围:0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变度目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Not affected by the direction of the carriage, minute knitting. 不受机头方向影响，分针编织。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm,Computer programs instruction, stepper motor control,32-stage tension selection with an adjustable range between 0-100. 红外线报警，电脑程序指令，步进马达控制，32段拉力选择，可调范围:0-100
Color-changing system 换色系统	2x3 yarn feeders on each side of 3 guide rails, shift able on any needle position. 3根导轨6把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性 7G-10G Adopts roller feeding device; 3-10G采用滚筒送纱器。 12G-16G Adopts the yarn storage device; 12-18G采用储纱器。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Non waste yarn Comb device 零废纱起底板	Non waste yarn Comb device (Optional) 零废纱起底板(选装)
Volume and weight 机器尺寸及重量	2500*900*1700mm, 650kgs (52inch) 3800*900*1700mm, 900kgs (80inch double carriages)



## 1+1 / 2+2 / 3+3 SYSTEM

### 特长双头电脑横机



1+1



2+2



3+3

## PRODUCT SPECIFICATION | 产品参数

Gauge 针型	7G、8G、9G、10G、12G、14G
Knitting width 编织幅宽	80,100,120inch
Knitting system 编织系统	Double carriage single system 1+1双头单系统 Double carriage double system 2+2双头双系统 Double carriage three system 3+3双头三系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制, 32段选择, 最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花, 吊目, 翻针, 挑孔, 明收针, 暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制, 移针范围达2英寸, 同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制, 32段密度选择, 采用细分基数, 可调范围:0-650度, 更能准确地控制片衣长短。
Dynamic stitch 动态目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现, 支持在花型一行内实现多段可变量目控制, 实现同行多种密度的织物编织, 丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器, 配备8段特殊精密选针器, 每组选针器皆可在机头外侧装卸, 易于维护及保养。
Transfer system 翻针系统	Combined design, single or double cam system all can transfer together or separately. Also one cam do transfer , another cam system for knitting, which will achieve high production. 三角复合设计, 可单独或同时翻针,从而提高生产效率。
Sinker system 沉降片系统	Controlled by stepping motor, adjustable to different knitwear, up to be various results of shaping and patterns. 电子步进电机微调控制沉降片系统, 可依纱的材质调整参数设定。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm, Computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100. 红外线报警, 电脑程序指令, 步进马达控制, 32段拉力选择, 可调范围:0-100
Color-changing system 换色系统	2x8 yarn feeders on each side of 4 guide rails, shift able on any needle position. 4根导轨2*8把纱嘴, 可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力, 确保整体织片质量的一致性 3G-10G Adopts roller feeding device; 3-10G 采用滚筒送纱器; 12G-18G Adopts the yarn storage device; 12-18G采用储纱器。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱, 结头, 浮纱, 倒卷, 片数结束, 移床未归, 撞针脚或程序错误时机器报警系统将启动, 并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数, 并可进行调整, 使操作尽可能方便, 省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统, 有中文, 英文, 西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油: 通过设定时间及频率, 油泵自动给针板上的长针弹簧针加润滑油, 减少机器磨损, 增加使用寿命。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络, 编织数据可上传下载和共享, 可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V, 采用先进的CMOS技术, 实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	3800*900*1700mm, 900kgs (80inch 1+1system)



# SHOE UPPER KNITTING MACHINE

## 鞋面机



Different outlook available 可选配外观

### PRODUCT FEATURES | 产品特点

Three system 3D Shoe Upper Knitting Machine specialized in making shoe uppers with high production efficiency. This series is a fully automatic computer knitting machine without a bottom plate device. It uses digital technology to realize the functions of transfer, tuck, intarsia without dotted lines, jacquard, embroidery, open narrowing, and other regular pattern knitting functions. It can weave basic knitting weaves, multi-color random jacquard, intarsia, twisted flowers, pick holes, and other weft weaves. It is also suitable for knitting shoe uppers and other accessories with raw materials such as silk, spun silk, synthetic fiber, wool, rayon, and blended yarn. They are the mainstream machines for the professional production of 3D shoe uppers..

三系统横机，专业制作鞋面，生产效率高。该系列为无起底板装置的全自动电脑编织横机，采用数字化技术实现横机的翻针、吊目、挑孔无虚线嵌花、提花、绣花、明收针及其他规则花型编织功能。可编织基本针织组织（四平、单面等）、多色无规则提花、嵌花（引塔夏）、绞花、挑孔等纬案组织。适用于真丝、绢丝、合纤丝、羊毛、腈纶、混纺纱线等原料编织鞋面等附件。主要用于3D鞋面专业生产。

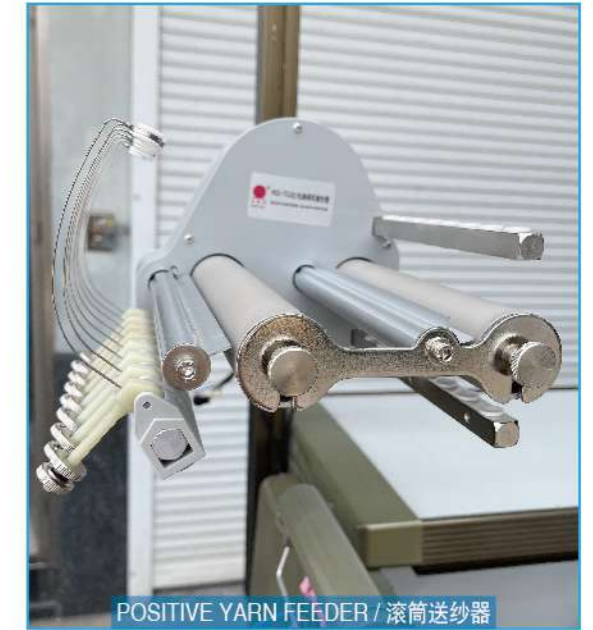
### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	14G、16G、18G
Knitting width 编织幅宽	36, 52, 72, 80inch
Knitting system 编织系统	Three system 三系统
Knitting speed 编织速度	Controlled by servo-motor with 128 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，128段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 128 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，128段密度选择，采用细分基数，可调范围:0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Combined design, single or double cam system all can transfer together or separately. Also one cam do transfer, another cam system for knitting, which will achieve high production. 三角复合设计，可单独或同时翻针，从而提高生产效率。
Sinker system 沉降片系统	Using the control principle of cross sinker, more lines of local braiding can be carried out, which plays a positive role in the braiding of complex tissues. Independent signal, subsystem control. 采用交叉沉降片控制原理，可以进行更多行数的局部编织，对复杂组织的编织起到积极作用；独立信克，分系统控制，支持零间纱起底。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Infrared alarm, Computer programs instruction, stepper motor control, 128-stage tension selection with an adjustable range between 0-100. 红外线报警，电脑程序指令，步进马达控制，128段拉力选择，可调范围:0-100
Color-changing system 换色系统	2x8 yarn feeders on each side of 4 guide rails, shift able on any needle position. 4个导轨2*8把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	The roller feeding device can precisely control the tension of the yarn and ensure the consistency of the whole fabric quality. 滚筒送纱装置，精确控制纱线的张力，确保整体织片质量的一致性。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Refueling device 自动加油装置	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life. 自动加油：通过设定时间及频率，油泵自动给针板上的长针弹簧针加润滑油，减少机器磨损，增加使用寿命。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Presser device 压纱装置	Positioned on front and rear presser (Optional) 前后各一组压脚(选装)
Sub roller 副罗拉	Sub roller (Optional) 副罗拉(选装)
Volume and weight 机器尺寸及重量	3000*1000*1800mm, 1150kgs(52inch)



# PROFESSIONAL COLLAR KNITTING MACHINE

## 专业织领机



POSITIVE YARN FEEDER / 滚筒送纱器

### PRODUCT FEATURES | 产品特点

Specially designed for knitting collar and rib; through the extreme requirements in straightness, flatness and precision of machine parts such as bed- base, guide rail, needle-bed, cam-board and cams. We solved these problems that fabric lines grain is not clear, two edges of collar are different and flatness is not enough. We make it possible to produce high-quality plain-knitting collar by using computerized jacquard machine.

专门针对衣领/罗纹设计；通过对机座、导轨、针板、机头山板及三角等零配件直线度、平面度及尺寸精度的极致要求，解决了传统电脑横机生产衣领罗纹纹路不清晰，平整度不够，两边不一致等问题。使提花机生产高品质四平衣领罗纹成为可能。



YARN STOP / 乌丝档



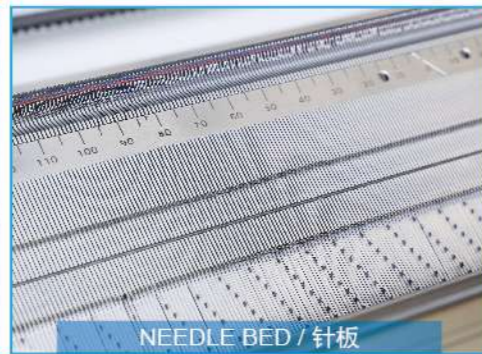
CONTROL SYSTEM / 电控



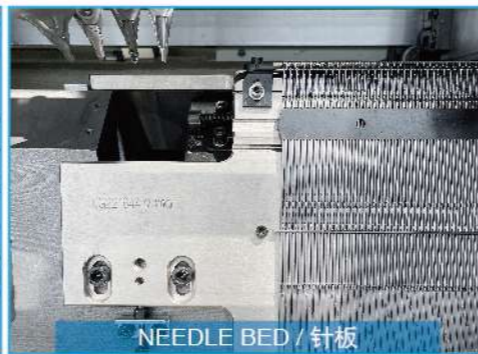
SINGLE CARRIAGE / 单机头



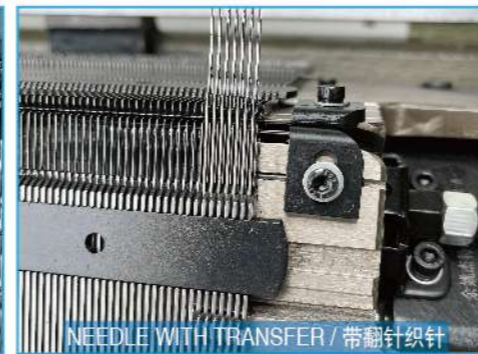
DOUBLE CARRIAGE / 双机头



NEEDLE BED / 针板



NEEDLE BED / 针板



NEEDLE WITH TRANSFER / 带翻针织针



FULLY JACQUARD DISPLAY / 全提花显示屏



SEMI JACQUARD DISPLAY / 半提花显示屏



NEEDLES DETECTOR / 漏针探针



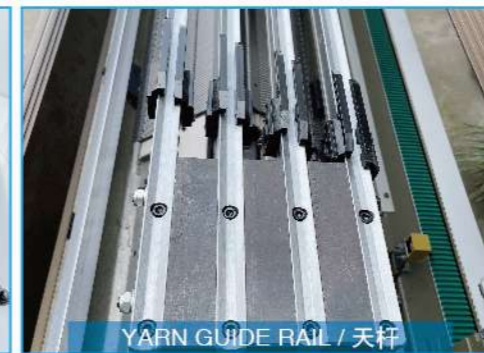
LYCRA DEVICE / 莱卡装置



YARN FEEDER / 纱嘴



NEEDLES DETECTOR / 红外探针



YARN GUIDE RAIL / 天杆



TAKE DOWN ROLLER / 罗拉



# PROFESSIONAL FULLY JACQUARD

## 专业全提花织领机



### PRODUCT FEATURES | 产品特点

Specially designed for knitting collar and rib; through the extreme requirements in straightness, flatness and precision of machine parts such as bed- base, guide rail, needle-bed, cam-board and cams. We solved these problems that fabric lines grain is not clear, two edges of collar are different and flatness is not enough. This series with milling type needle bed. This series adopts digital technology, which can realize the functions of transfer, tuck, hole picking, jacquard, needle narrowing, and other regular pattern knitting functions of the flat knitting machine. This series can weave basic knitting patterns (full needle, single side, Etc.), multi-color irregular jacquard, and twisted weft knitting. This series is suitable for knitting collar and clothing accessories. This series used DAHAO control system.

专门针对衣领/罗纹设计；通过对机座、导轨、针板、机头山板及三角等零配件直线度、平面度及尺寸精度的极致要求，解决了传统电脑横机生产衣领罗纹纹路不清晰，平整度不够，两边不一致等问题。针板为一体铣板。采用数字化技术，实现横机的翻针、吊目、挑孔、提花、明收针及其它规则花型编织功能。可编织基本针织组织（四平、单面等）多色无规则提花、绞花等纬编织组织。适用于编织衣领及服装附件。该系列配大豪系统。

### PRODUCT SPECIFICATION | 产品参数

Model 型号	HY-361J / HY-421J / HY-521J / HY-601J / HY-681J / HY-801J / HY-602J / HY-682J / HY-802J / HY-1002J
Gauge 针型	12G,14G,16G,18G
Knitting width 编织幅宽	36,42,52,60,68, 80,100inch
Knitting system 编织系统	Single carriage 单机头 Double carriage 1+1 机头
Knitting speed 编织速度	Maximum 1.6m/s. (depending on knitting wide and knitting material) 最高速度可达1.6m/s
Knitting function 编织功能	Fully jacquard, Knitting, line jacquard and plain design etc. 全提花、四平、直条及平板等花样
Needle-bed 针板	Milling type needle bed; Insert type needle bed(optional), with 8 sets of solenoid needle selection structure. 针板为一体铣板, 可选装插片型, 装配八段选针。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制, 移针范围达2英寸, 同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制, 128段密度选择, 采用细分基数, 可调范围:0-650度, 更能准确地控制片衣长短。
Take-down system 卷布系统	Infrared alarm, Computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100. 红外线报警, 电脑程序指令, 步进马达控制, 32段拉力选择, 可调范围:0-100
Color-changing system 换色系统	2x3 yarn feeders on each side of 3 guide rails, shift able on any needle position. 3根导轨6把纱嘴, 可在针床的任何位置移动。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱, 结头, 浮纱, 倒卷, 片数结束, 移床未归, 撞针脚或程序错误时机器报警系统将启动, 并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数, 并可进行调整, 使操作尽可能方便, 省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统, 有中文, 英文, 西班牙语和俄语等等。
Network function 网络功能	Has network interface, enable remote-monitoring via network, and connecting with ERP system. 高速网络, 编织数据可上传下载和共享, 可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V, 采用先进的CMOS技术, 实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	2200*900*1700mm, 600kgs(42inch) 2400*900*1700mm, 650kgs(52inch) 3500*900*1700mm, 900kgs(80inch double carriages)



# PROFESSIONAL SEMI JACQUARD

## 专业半提花织领机



### PRODUCT FEATURES | 产品特点

Specially designed for knitting collar and rib; through the extreme requirements in straightness, flatness and precision of machine parts such as bed- base, guide rail, needle-bed, cam-board and cams. We solved these problems that fabric lines grain is not clear, two edges of collar are different and flatness is not enough. This series with milling type needle bed. This series adopts digital technology, which can realize the functions with Knitting, Semi jacquard, A/B jack tuck and full tuck; capable knitting square semi jacquard and line etc. This series is suitable for knitting collar and clothing accessories. Machine control system is developed by ourselves. we can make designs on machine screen directly.

专门针对衣领/罗纹设计；通过对机座、导轨、针板、机头山板及三角等零配件直线度、平面度及尺寸精度的极致要求，解决了传统电脑横机生产衣领罗纹纹路不清晰，平整度不够，两边不一致等问题。针板为一体铁板。采用数字化技术，实现横机的四平，半提花，A/B针脚单独吊目及全吊目；可织方格、芝麻花、直条等花样。适用于编织毛衫、衣领等服装附件。自研电控系统，可以直接在机器上制版。

### PRODUCT SPECIFICATION | 产品参数

Model 型号	HY-361S / HY-421S / HY-521S / HY-601S / HY-681S / HY-801S / HY-602S / HY-682S / HY-802S / HY-1002S
Gauge 针型	12G,14G,16G,18G
Knitting width 编织幅宽	36,42,52,60,68, 80,100inch
Knitting system 编织系统	Single carriage 单机头 Double carriage 1+1 机头
Knitting speed 编织速度	Maximum 1.6m/s. (depending on knitting wide and knitting material) 最高速度可达1.6m/s
Knitting function 编织功能	Knitting, Semi jacquard, A/B jack tuck and full tuck; line jacquard and plain design. 四平, 半提花, A/B针脚单独吊目及全吊目;可织方格、芝麻花、直条等花样。
Needle-bed 针板	Wider needles bed, with high and low jacks at front and rear needle bed. 宽针板, 并配有高低针脚。
Racking 摇床	Controlled by step-motor racking within 2 inches and with fine adjusting function. 采用步进电机控制, 移针范围达2英寸, 同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 0-99, the stitch of the collar can be accurately controlled. 步进电机控制度目0-99段可选。
Take-down system 卷布系统	Sub-segment combination rollers, Programmed instruction controlled by stepping motor, two speed options. 副罗拉由步进电机控制, 分高低二速无段微调。
Color-changing system 换色系统	6 colors, two side interchangeable feeders. 6色, 半行换色。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱, 结头, 浮纱, 倒卷, 片数结束, 移床未归, 撞针脚或程序错误时机器报警系统将启动, 并设置安全自动锁定保护装置。
Control system 控制系统	LCD industrial display, Display various parameters, Express in Chinese or English. 工业显示屏, 可显示各种参数, 中英文操作系统。
Power supply 电源装置	Single-phase 220V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V, 采用先进的CMOS技术, 实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	2200*900*1700mm, 600kgs (42inch) 2400*900*1700mm, 650kgs (52inch) 3500*900*1700mm, 900kgs (80inch double carriages)
Optional functions 选装配置	Lycra function; Yarn storage device; Yarn feeder device 莱卡功能; 储纱器; 送纱器



## PROFESSIONAL PLAIN DESIGN

### 专业平板织领机



## PRODUCT FEATURES | 产品特点

Specially designed for knitting collar and rib; through the extreme requirements in straightness, flatness and precision of machine parts such as bed- base, guide rail, needle-bed, cam-board and cams. We solved these problems that fabric lines grain is not clear, two edges of collar are different and flatness is not enough. This series with milling type needle bed. This series adopts digital technology, which can realize the functions with Knitting, line jacquard and plain design collar. This series is suitable for knitting collar and clothing accessories. Machine control system is developed by ourselves. we can make designs on machine screen directly.

专门针对衣领/罗纹设计；通过对机座、导轨、针板、机头山板及三角等零配件直线度、平面度及尺寸精度的极致要求，解决了传统电脑横机生产衣领罗纹纹路不清晰，平整度不够，两边不一致等问题。针板为一体铣板。采用数字化技术，实现横机的四平、直条和平板花样。适用于编织衣领及服装附件。自研电控系统，可以直接在机器上制版。

## PRODUCT SPECIFICATION | 产品参数

Model 型号	HY-361P / HY-421P / HY-521P / HY-601P / HY-681P / HY-801P / HY-602P / HY-682P / HY-802P / HY-1002P
Gauge 针型	12G,14G,16G,18G
Knitting width 编织幅宽	36,42,52,60,68, 80,100inch
Knitting system 编织系统	Single carriage 单机头 Double carriage 1+1 机头
Knitting speed 编织速度	Maximum 1.6m/s. (depending on knitting wide and knitting material) 最高速度可达1.6m/s
Knitting function 编织功能	Knitting, line jacquard and plain design. 可织四平、直条和平板。
Needle-bed 针板	Narrow needles bed, with high and low hell needles at front and rear needle bed. 窄针板，可配有高低针。
Racking 摇床	Controlled by step-motor racking within 2 inches and with fine adjusting function. 采用步进电机控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor,0-99, the stitch of the collar can be accurately controlled. 步进电机控制度目0-99段可选。
Take-down system 卷布系统	Sub-segment combination rollers, Programmed instruction controlled by stepping motor, two speed options. 副罗拉由步进电机控制，分高低二速无段微调。
Color-changing system 换色系统	6 colors, two side interchangeable feeders. 6色，并行换色。
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	LCD industrial display, Display various parameters, Express in Chinese or English. 工业显示屏，可显示各种参数，中英文操作系统。
Power supply 电源装置	Single-phase 220V, adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	2200*900*1700mm,600kgs(42inch) 2400*900*1700mm,650kgs(52inch) 3500*900*1700mm,900kgs(80inch double carriages)
Optional functions 选装配置	Automatic hook yarn head function; Lycra function; Yarn storage device; Yarn feeder device 自动钩头装置；莱卡功能；储纱器；送纱器



## COLLAR & SWEATER

### 织领&毛衣两用电脑横机



## PRODUCT FEATURES | 产品特点

The single-system flat knitting machine with milling type needle bed. Insert type needle bed(optional). This series adopts digital technology, which can realize the functions of transfer, tuck, hole picking, jacquard, needle narrowing, and other regular pattern knitting functions of the flat knitting machine. This series can weave basic knitting patterns (full needle, single side, Etc.), multi-color irregular jacquard, and twisted weft knitting. This series is suitable for knitting sweaters, collar and clothing accessories.

单系统，针板为一体铣板。可选装插片型，采用数字化技术，实现横机的翻针、吊目、挑孔、提花、明收针及其它规则花型编织功能。可编织基本针织组织（四平、单面等）多色无规则提花、绞花等纬编组织。适用于编织毛衫、衣领等服装附件。

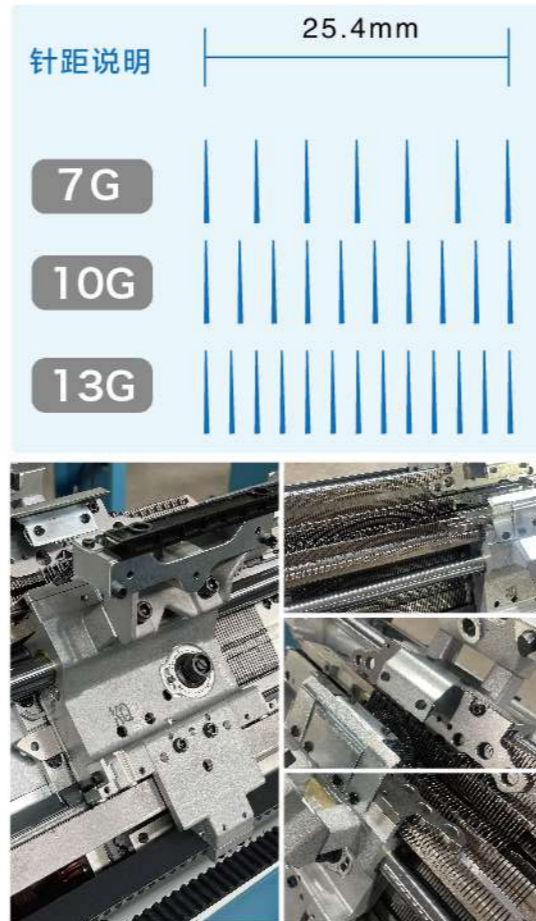
## PRODUCT SPECIFICATION | 产品参数

Gauge 针型	12G、14G、16G
Knitting width 编织幅宽	52,60,80,100inch
Knitting system 编织系统	Single system 单系统 Double carriage single system(optional) 1+1双头单系统
Knitting speed 编织速度	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s. 通过AC伺服电机控制，32段选择，最高速度可达1.6米/秒。
Knitting function 编织功能	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns. 提花，吊目，翻针，挑孔，明收针，暗收针及其他规则花型编织。
Racking 摇床	Controlled by servo-motor racking within 2 inches and with fine adjusting function. 采用AC伺服马达控制，移针范围达2英寸，同时具有精确的微调功能。
Stitch density 线圈密度	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled. 步进马达控制，32段密度选择，采用细分基数，可调范围:0-650度，更能准确地控制片衣长短。
Dynamic stitch 动态度目	Using high speed stepping motor, multi-stitch function can be achieved in one line. 高速步进电机实现，支持在花型一行内实现多段可变量目控制，实现同行多种密度的织物编织，丰富编织花型。
Needle selection 选针系统	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector.which can be installed or removed simply from the carriage and maintained easily. 采用先进的编码器，配备8段特殊精密选针器，每组选针器皆可在机头外侧装卸，易于维护及保养。
Transfer system 翻针系统	Not affected by the direction of the carriage, minute knitting. 不受机头方向影响，分针编织。
Quickly turning 快速回转	Intelligent switching braiding system improves machine weaving efficiency. 智能切换编织系统提高编织效率。
Take-down system 卷布系统	Machine With high roller and sub roller, Infrared alarm,Computer programs instruction, stepper motor control, 32-stagetension selection with an adjustable range between0-100. 机器装配高位罗拉和副罗拉，红外线报警，电脑程序指令，步进马达控制，32段拉力选择，可调范围:0-100
Color-changing system 换色系统	2x3 yarn feeders on each side of 3 guide rails, shift able on any needle position. 3根导轨6把纱嘴，可在针床的任何位置移动。
Yarn feeder device 送纱装置	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality. 精确控制纱线的张力，确保整体织片质量的一致性
Protection system 保护系统	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device. 当断纱，结头，浮纱，倒卷，片数结束，移床未归，撞针脚或程序错误时机器报警系统将启动，并设置安全自动锁定保护装置。
Control system 控制系统	1. LCD industrial display, Can display various parameters, which can be adjustable during operation. 2. USB memory interface, System memory 2G. 3. Free design system is visual and easy to understand and software upgrade free of charge. 4. Support multi-language operation as Chinese and English, Spanish, Russian etc. 1. 机器运行时可随时显示各种运行参数，并可进行调整，使操作尽可能方便，省时。 2. 扩展内存高达2G。 3. 设计系统和控制系统(软件)易于免费更新。 4. 多语言操作系统，有中文，英文，西班牙语和俄语等等。
Network function 网络功能	Has network interface,enable remote-monitoring via network,and connecting with ERP system. 高速网络，编织数据可上传下载和共享，可连接ERP。
Power supply 电源装置	Single-phase 220V/three-phase 380V,adopt advanced CMOS technology, having memorizing function at power shock stop. 单相220V/三相380V，采用先进的CMOS技术，实现停电记忆、来电恢复编织功能。
Volume and weight 机器尺寸及重量	2500*900*1700mm,700kgs(52inch) 3800*900*1700mm,950kgs(80inch double carriages)



# HIGH-SPEED GLOVE KNITTING MACHINE

## 超高速智能手套机



### PRODUCT FEATURES | 产品特点

This is the current company's new research and development machine of labor series models which is easy to operate, cutting yarn, density, reset, width and complete other key steps, the use of artificial intelligence control technology to replace the mechanical part, to achieve high efficiency, energy saving and environmental protection performance.

该机型是当前公司研发的编制劳保系列手套优质机型，电脑编程操作简便，剪纱，密度，复位，罗口宽度等可一键完成设置，利用人工智能控制技术代替机械部分，达到高效，节能以及环保的产品性能。

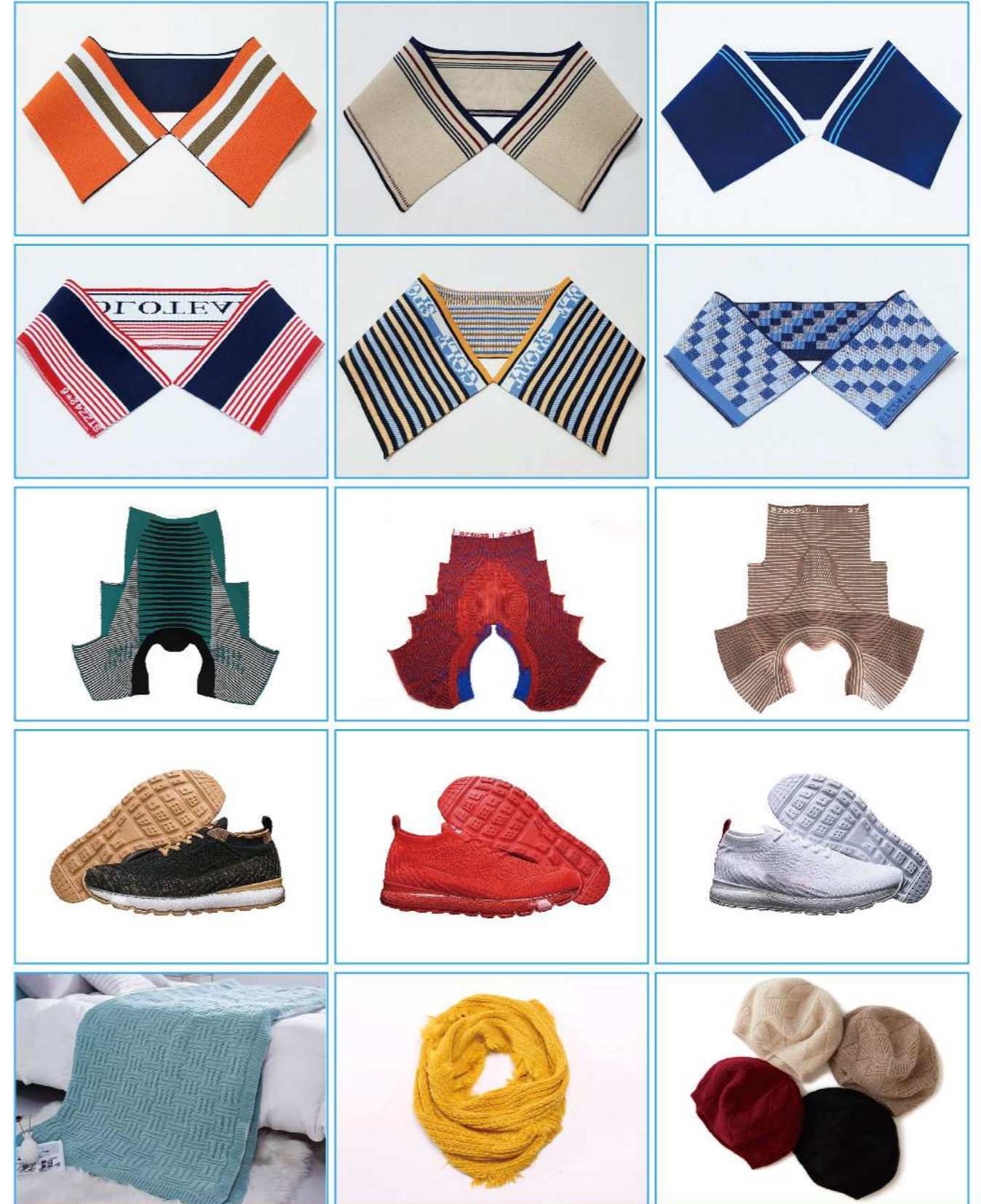
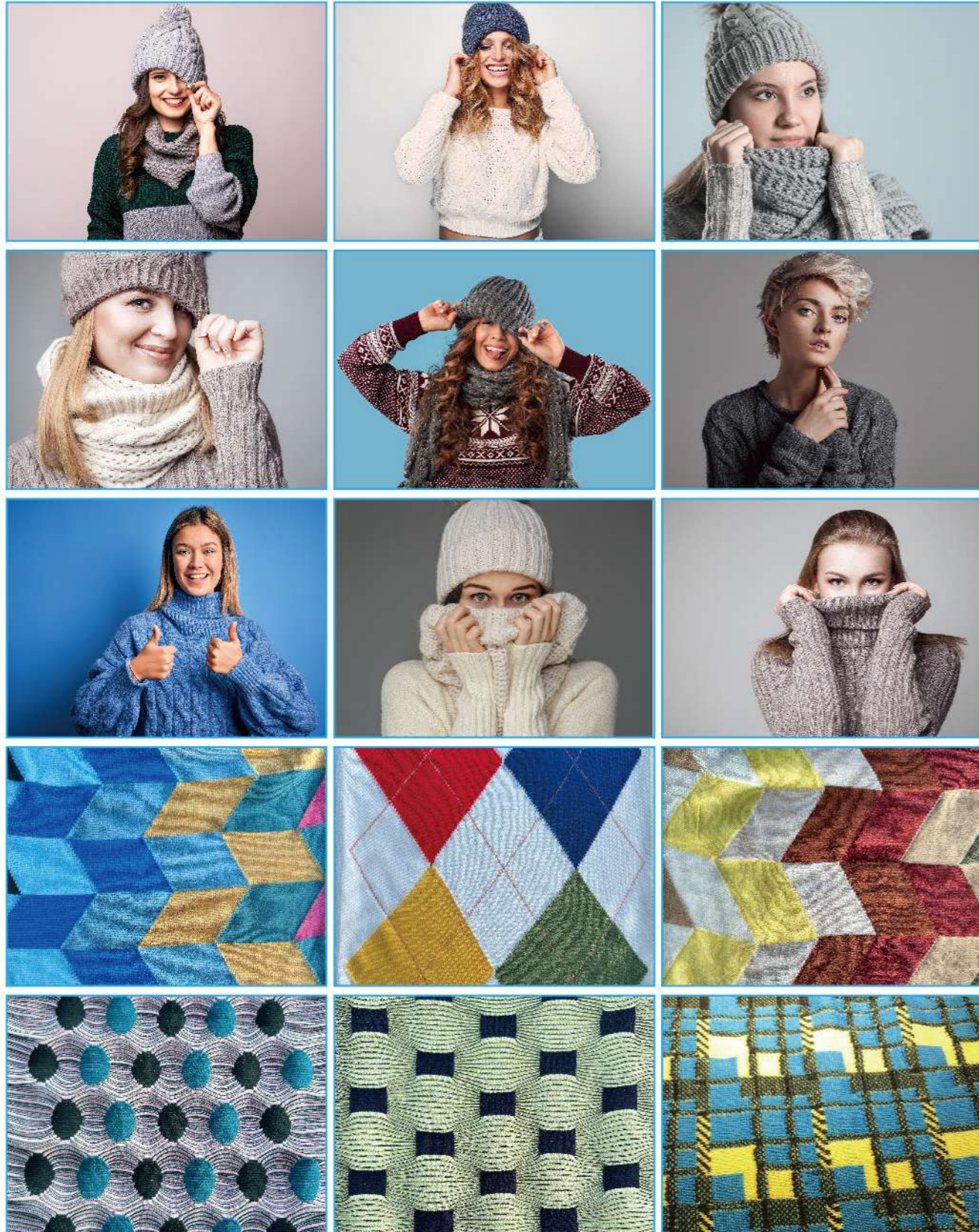
### PRODUCT SPECIFICATION | 产品参数

Gauge 针型	7G/10G/13G
Power 电机功率	600W
Voltage 电压	220V 50-60HZ
Average output 产量	350/330/240Pairs
Consumption 动耗	200W
Machine table 看台率	50/A Person
Lubrication 供油方式	Automatic lubrication 自动供油
Stitch density 编织密度	Step motor controller 步进电机控制
Control system 控制系统	Computer control, Electronic programming, 7-inch touch-screen display and USB data transfer 电脑控制, 可编程, 7英寸触摸屏, USB数据导出导入
Drive system 传动系统	Double belt drive, AC servo motor 伺服电机, 双皮带传动
Carriage 精密机头	Super compact & light weight carriage 迷你, 轻量机头
Automatic overlock 自动锁边	YES 有
Net weight 净重	160KGS
Gross weight 毛重	190KGS
Machine size 机器尺寸	1050*570*1700mm (L*M*H)
Wood size 包装尺寸	1070*520*1500mm (L*M*H)
Container capacity 装箱	48 sets/ 20'FT 96 sets/ 40'HQ



# KNITTING SAMPLE

## 针织样品





# FLAT KNITTING MACHINE PARTS

## 配件



织针 Needles      三角 CAM      沉降片 Sinker      罗拉感应器 Take down sensor      罗拉驱动器 Take down driver



选针器 Needle selection      电磁铁 Electromagnet      探针 Needle sensor      探针(红外) Infrared needle sensor      限位感应器 Location limited sensor



针零位感应器 Zero sensor      感应器 Sensor      罗拉皮 Roller cover      毛刷 Brush      送纱器 Yarn feeder



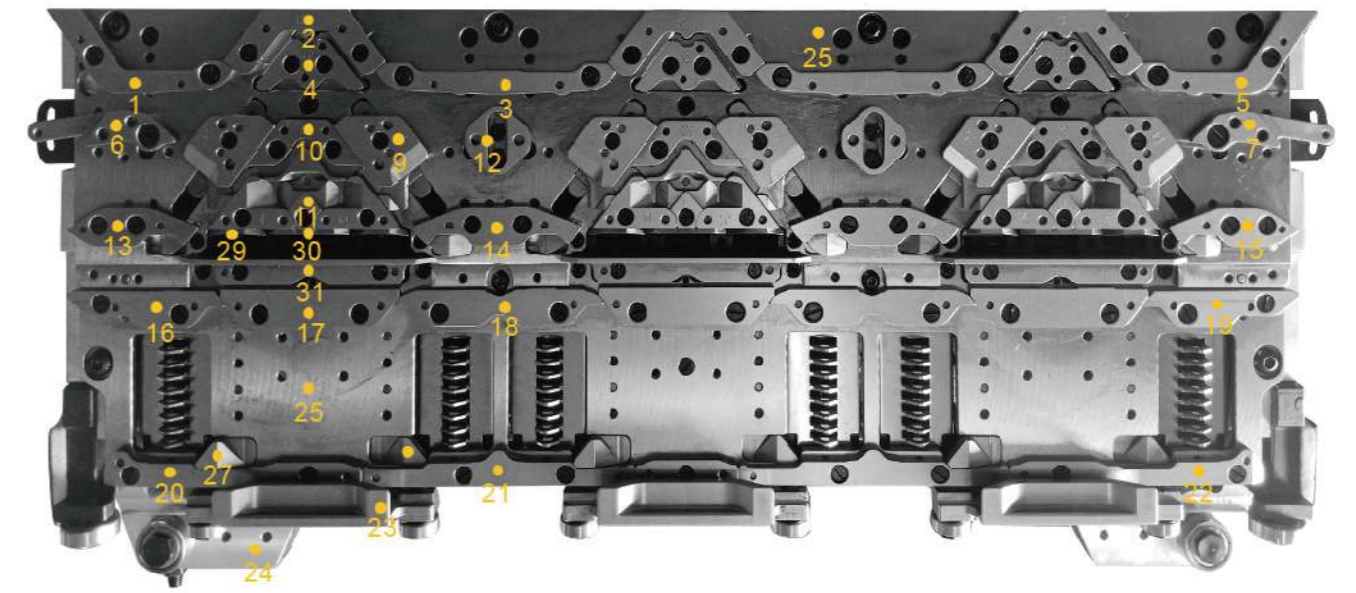
储纱器 Yarn storage      乌斯座 Shuttle box      纱嘴 Yarn feeder      天线台 Antenna station      边线架 Fringe yarn frame



度目电机 Stich motor      主板 Mian board      报警灯 Alarm light      伺服器 Motor server      同步带 Belt



电源 Power Supply      罗拉电机 Roller motor      剪刀夹子 Cutters and Grippers      撞针感应器 Needle bed sensor      罗拉齿轮箱 Roller gear box



1 上护山左	9 度目右	17 长护山2	25 选针母板
2 尖山	10 中山导块	18 长护山中	26 三角母板
3 上护山中	11 蝶山	19 长护山1右	27 推针三角左
4 翻针导块	12 桃形护山	20 下护山左	28 推针三角右
5 上护山右	13 保留护山左	21 下护山中	29 接针压腿
6 回针三角左	14 保留护山中	22 下护山右	30 吊目压腿
7 回针三角右	15 保留护山右	23 归位导块	31 不织压片
8 度目左	16 长护山1左	24 定位块	