SWISS KNITTING TECHNOLOGY

STEIGER

事坦格STG3.132MC横机

STG3.132MC

KNITTING MACHINE

周到全面的技术

一台好机器必须得拥有独特的技术，Steiger毫无例外。其成圈质量，即使对于很脆弱的纱线而言，也可达到织物松密度或者紧密度的要求。自由针距使您可以根据季节的变化，在同一台机器上选择不同的针距。

Thoughtful technology

A good machine must have distinguished technology, so does Steiger. Its looping formation quality, even for the very friable yarns, will be also capable to meet the requirements of fabric on bulk density or compactness. The free multi-gauge allows you to choose different ones on the same machines according to the change of seasons.

操作更流畅

显示屏显示各种编织信息及参数，在实际编织过程中可视化显示编织过程：可查看到三角的工作状态及实际位置和衣片编织件数状态；并且在机器运行时随时调整度目、速度、拉力等工作参数，最大限度方便操作及节约时间。

Smoother operation

The monitor displays various knitting information and parameters, and visualizations in actual knitting process.Display knitting process: you can view the cam working status and actual position, also the quantity of garments already woven. In addition, the working parameters such as stitch, speed, tension and so on can be adjusted at any time when the machine is running, which facilitates the operation and saves time to maximum extent.

STG3.132MC

三系统自跑式纱嘴机型。16把电动纱嘴由系统独立控制，使纱嘴能精准定位和同步喂纱，减少机头行程，嵌花组织织物相比普通电脑横机效率能提升30%（制版中选择自跑式）；可编织多色提花、2色反匹毛等复杂花型。

电机连杆换向，可单口中间回转，配合选针避让、伺服优化，实现机头急速平稳换向，大大提升了工作效率。动态度目功能，可实现同一行内多段度目编织（一行可支持32个变化区域），无需拆行；两边可以分开微调，提高布片的平整度及多样化。

Single carriage with three systems and use 16 pcs motorized yarn feeders independently controlled by pattern programming system. Let yarn feeder can precise positioning and synchronous yarn feeding, reduce carriage running course. When knitted intarsia patterns, the production efficiency improve 30% compared with other computerized flat knitting machines. (Choosing auto yarn feeder type in graphic system); Knittable multi-colors jacquard patterns, 2-colors vanise and so on.

The carriage motorized inversion bar, it can achieve a single system intermediate return with needle selection evasive action and servo optimization, the carriage can change direction rapidly and smoothly, which greatly improve the production efficiency. Dynamic stitch function, multi-gauge stitch function can be achieved in same course. (The dynamic stitch, in same course maximum can knit multi-gauge for 32 sections) no need to split course, can separately adjust pattern two sides' stitch, improving the flatness and diversity on knitted fabric.
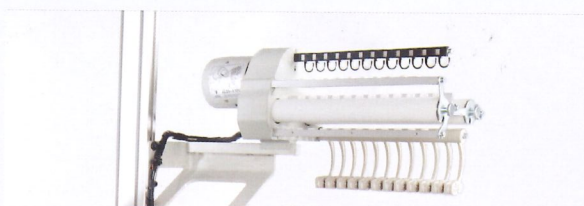
送纱器/输纱器

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，提高机器编织效率。

Yarn storage

Yarn storage can effectively reduce the resistance of the conveyor yarn, especially suitable for less flexible or brittle fabric, such as cashmere, rabbit fiber, making the fabric balance and smooth, improving machine weaving efficiency.
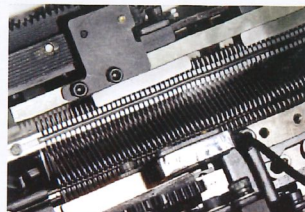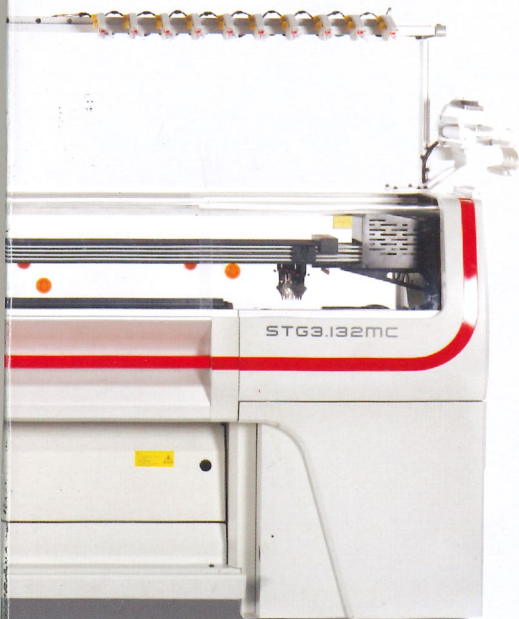
沉降片

针织横机的织针在具有规律性的升降运动的瞬间，线纱的退圈、闭口、套圈、脱圈、成圈等过程就需要沉降片来帮助舌针完成，提高编织能力，沉降片控制系统实现了沉降片的可调功能，根据编织需要进行控制调节。

Sinker system

When needle up and down. Sinker will help yarn to transfer, press of, knit, the sinker system make sinker adjustable. Operators can control and adjust sinker value according to according to knitting requirements.
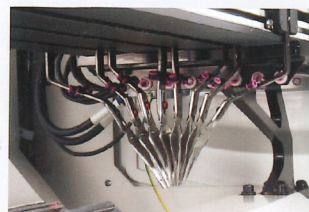

电动纱嘴

纱嘴摆脱机头束缚，运动方式自成一体，由编码器精准反馈控制，让纱嘴停放更准确，配合系统单独进入编织区域，完成纱嘴精准定位和同步喂纱，可减少机头行程，提高编织效率。

Motorized yarn feeder

The yarn feeders get rid of the carriage's restriction and move in a self-contained way. It is controlled by the precise feedback of the motor encoder. Let the yarn feeder's parked position more accurately. The yarn feeders are controlled into the knitting area separately with the system, let yarn feeder can precise positioning and synchronous yarn feeding, reduce carriage running course and the knitting efficiency can be improved.
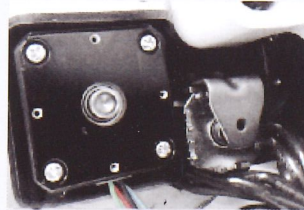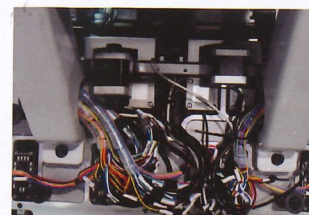

动态度目

具有动态度目功能，采用高速高速步进马达，可以实现一行中多段度目的功能。

Dynamic stitch

With dynamic stitch function, using high speed stepping motor, multi-segment stitch function can be achieved in one course.
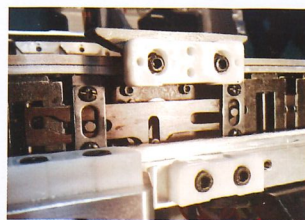

全电机设计

采用步进电机代替电磁铁控制三角动作，闭环原理，机器高速运行，更稳定，维护更简单。

Design of motorized CAM

Stepping motor is used instead of electromagnet to control CAM press. Closed-loop control principle makes the machine run at high speed, more stable and easier to maintain.

电机连杆

由电机马达驱动连杆，换向更精准，提升效率。

Motorized inversion bar

The carriage inversion bar driven by motor, carriage return position is more accurate, improve the efficiency.

超小机头设计

进一步优化机头尺寸，减少回转距离，同比提升编织效率5-8%。

Design of ultra-small carriage

Further optimize the size of the machine carriage, reduce the carriage return distance, and improve the efficiency 5-8%.

STG系列参数

针距	5G.6G.7G.8G.9G.10G.12G.14G.15G.16G.18G及5/7G变针距
编织幅度	52寸/60寸/72寸
机器速度	最高速度1.6米/秒（编织速度因针数和编织情况而异，可任意调节速度）；32段可调段
摇床	采用交流伺服马达驱动,移针达2英寸
沉降片	步进电机驱动
线圈密度	32段电子控制,步进马达控制调节密度,可调节范围0-650
牵拉	高位罗拉+起底板,32段可调段
电机换向	电机马达驱动连杆,提升效率
纱嘴	16把电动纱嘴，自由交替
送纱装置	送纱器以及储纱器(选配),精确控制纱线张力,确保整体织片质量
传动装置	皮带传动,交流电伺服马达
文件传输	通过U盘、电脑联网输入输出花型
自停装置	断纱、纱结、卷布、撞针、件数完成、超负荷、指定行停车、程序错误等
安全装置	紧急停车装置；切断电源装置；报警指示灯；全机覆盖降低噪音和防尘的护盖（带有停车感应器）
后备电源	断电后恢复编织

PRODUCT PARAMTERS

Gauge	5G.6G.7G.8G.9G.10G.12G.14G.15G.16G.18G and 5/7G
Knitting Width	52Inches/60Inches/72Inches
Knitting speed	Max 1.6m/sec.（Knitting speed varies according to yarn, gauge and other knitting conditions, can adjust the speed arbitrarily）Speed can be programmed for 32 separate categories.
Racking	Driven by ac servo motor, the range of moving needle is up to 2 inches.
Sinker	Step motor-driven
Loop density	32 sections of electronically controlled, stepper motor control to adjust density, adjustable range: 0-650
Take-down Device	High position rollers + Take down comb, 32 sections can adjust.
Motorized inversion bar	Motorized inversion bar, improve efficiency.
Yarn feeder	16 PCS motorized yarn feeders, independent controlled by each motor.
Yarn provider	Yarn provider or use yarn storage (optional), precisely keep yarn tension, ensuring the overall quality of the fabric.
Drive system	Belt drive, AC servo motor.
Document transmission	Input and output pattern through USB and computer networking
Stop motion system	Yarn break, large knot, fabric pileup, shock detection, piece count, over-torque, stop on selected course, program error, etc.
Safety devices	Emergency stop switch, power off device, alarm indicator. Full machine cover safety cover for noise-suppression and dust-proofing. (With stop motion sensor)
Back-up power	Power supply for resuming knitting after power failure.

		STG3.132MC-3.5G	STG3.132MC-5/7G	STG3.132MC-5G	STG3.132MC-7G	STG3.132MC-9G	STG3.132MC-12G	STG3.132MC-14G	STG3.132MC-16G	STG3.132MC-18G
Basic parameter		● Standard		O Optional		— None				
System	—	Three system	Three system	Three system	Three system	Three system	Three system	Three system	Three system
Needle	—	364	260	364	468	624	728	832	936
Inch	—	52	52	52	52	52	52	52	52
Speed	—	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5.2 Inch carriage	—	●	●	●	●	●	●	●	●
Motorized	—	●	●	●	●	●	●	●	●
Rack range	—	±2 inches	±2 inches	±2 inches	±2 inches	±2 inches	±2 inches	±2 inches	±2 inches
Selection		8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator	8 Section electronic needle actuator
Sinker	—	Common	Common	Common	Common	Crossed	Crossed	Common	Common
Stitch	—	0-650	0-650	0-650	0-650	0-650	0-650	0-650	0-650
Carriage return		Motor Commutation	Motor Commutation	Motor Commutation	Motor Commutation	Motor Commutation	Motor Commutation	Motor Commutation	Motor Commutation
Main roller	—	High position roller	High position roller	High position roller	High position roller	High position roller	High position roller	High position roller	High position roller
Sub roller	—	—	—	—	—	—	—	—	—
Gauge		● Standard		O Optional		— None				
Standard	—	●	●	●	●	●	●	●	●
Multimate	—	●							
Comb		● Standard		O Optional		— None				
Comb	—	●	●	●	●	●	●	●	●
Roller	—	●(2)	●(2)	●(2)	●(2)	●(2)	●(2)	●(2)	●(2)
Smart comb	—	O	O	O	O	O	O	O	O
Yarn supplier		● Standard		O Optional		— None				
Yarn storage	—	O	O	O	O	O	O	O	O
Yarn supplier	—	●	●	●	●	●	●	●	●
Active	—	—	—	—	—	—	—	—	—
yarn feeder		● Standard		O Optional		— None				
16 Sets yarn feeder	—	●	●	●	●	●	●	●	●
32 Sets yarn feeder	—	—	—	—	—	—	—	—	—
Motorized yarn feeder	—	●	●	●	●	●	●	●	●
Single hole	—	●(12)	●(12)	●(12)	●(12)	●(12)	●(12)	●(12)	●(12)
Double hole	—	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)	●(4)
Three hole	—	O	O	O	O	O	O	O	O
Others	—	O	O	O	O	O	O	O	O
Safety set		● Standard		O Optional		— None				
Emergent stop	—	●	●	●	●	●	●	●	●
Front case	—	●	●	●	●	●	●	●	●
Back case	—	●	●	●	●	●	●	●	●
Infrared ray protection case	—	●	●	●	●	●	●	●	●
Electric leakage test	—	●	●	●	●	●	●	●	●
Alarm set		● Standard		O Optional		— None				
Sensor	—	●	●	●	●	●	●	●	●
Brush	—	O	O	O	O	O	O	O	O
Yarn test	—	●	●	●	●	●	●	●	●
Sriking	—	●	●	●	●	●	●	●	●
Overload	—	●	●	●	●	●	●	●	●
Outage	—	●	●	●	●	●	●	●	●
Floating	—	●	●	●	●	●	●	●	●
Operation system		● Standard		O Optional		— None				
Hengqiang	—	●	●	●	●	●	●	●	●
Steiger	—	—	—	—	—	—	—	—	—
Logica	—	—	—	—	—	—	—	—	—
SIZE&WEIGHT		● Standard		O Optional		— None				
Length	—	3000	3000	3000	3000	3000	3000	3000	3000
Width	—	980	980	980	980	980	980	980	980
Height	—	2010	2010	2010	2010	2010	2010	2010	2010
Weight	—	1210	1210	1210	1210	1210	1210	1210	1210
Auto oiling, Power, Air pressure		● Standard		O Optional		— None				
Auto oiling	—	●	●	●	●	●	●	●	●
220V Single phase	—	●	●	●	●	●	●	●	●
380V Three-phase	—	O	O	O	O	O	O	O	O
(KW)	—	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Air pressure	—	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA	0.6~0.8MPA
Needle&Material		● Standard		O Optional		— None				
Tiancheng	—	O	O	O	O	O	O	O	O
Guangyang	—	—	—	—	—	—	—	—	—
Jinpeng	—	●	●	●	●	O	O	O	O
Groz	—	O	O	O	O	●	●	●	●
Samsong	—	—	—	—	—	—	—	O	—
long needle	—	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng
Spring needle	—	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng
Jack	—	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng	Jinpeng
Cam base	—	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing
Cam box	—	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing	Cixing finishing
Needle bed	—	50#	50#	50#	50#	50#	50#	50#	50#
Insert	—	SK5	SK5	SK5	SK5	SK5	SK5	SK5	SK5
Cam	—	40Cr	40Cr	40Cr	40Cr	40Cr	40Cr	40Cr	40Cr
Frame	—	Casting	Casting	Casting	Casting	Casting	Casting	Casting	Casting

Remark: 1.Model explanation:"STG" Steiger,"M"motorized yarn feeders,"C"with comb device.

2.The above configuration may be adjusted within a certain period of time, and the contract will prevail.

3.The above special spare parts are independently developed by Cixing. The same type of products on the market are not recommended. For the safety of equipment, it is recommended to use Cixing original spare parts.

4.The standard configuration is Cixing's factory default configuration. If other configurations are required, it must be specified when signing the contract.

5.The above is the configuration list of conventional models, please consult sales staff for special models.

ABOUT STEIGER

事坦格简介

瑞士Steiger成立于1949，以其一贯秉承的创新主义和先驱精神而闻名。今天，Steiger是世界领先的电脑横机制造商之一。事实上，位于瑞士的Steiger是Steiger所有商业活动的中心枢纽，其中包括调研、设计和生产。

2010年7月，Steiger正式成为宁波慈星股份有限公司的子公司。宁波慈星股份有限公司（股票代码：300307）是全球领先的智能针织机械供应商，是致力于提升中国针织机械技术水平、推动针织工艺发展进步、实现织针业产业升级的国家级高新技术企业。

Steiger, Switzerland, was founded in 1949, with its consistently uphold innovation and pioneering spirit. Today, Steiger, is one of the world's leading computerized flat knitting machine manufacturer. Steiger, in fact, is located in Switzerland is the center of the hub Steiger, all the commercial activity, also includes research, design and production.

In July 2010, Steiger officially became a subsidiary company of Ningbo Cixing Co., Ltd. CIXING (Stock Code: 300307) is the world leader about the Intelligent Knitting Machinery Supplier, it is a state-level high-tech enterprise dedicated to upgrading China's knitting machinery technology, promoting the development and progress of knitting technology and upgrading the knitting industry.