

**Chnki** 特种机系列

# CLK-1903E series

高速电脑钉扣机

COMPUTER-CONTROLLED HIGH-SPEED,  
LOCKSTITCH, BUTTON SEWING MACHINE

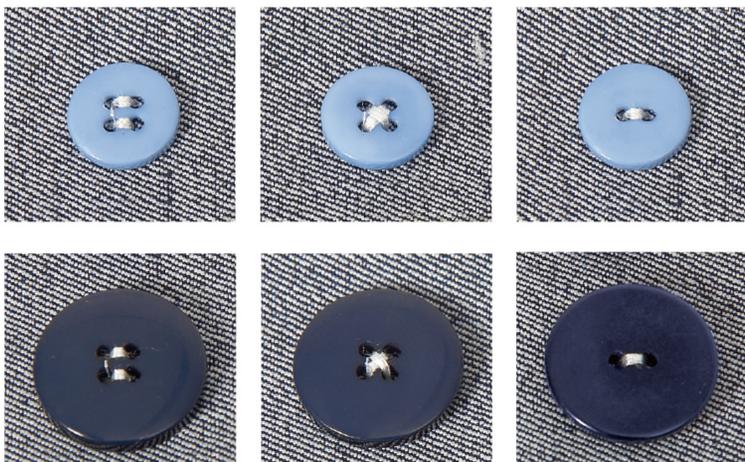


## 标准配置及性能 SPECIFICATION AND FUNCTION

- 具备 CLK-1900E 所有的优越性能。
  - 实现了最高缝制速度：3,200rpm。
  - 如想对钮扣孔的落针位置进行调整时，勿需调整机械，只要在操作面板上直接调整就可以了。
  - 加强扣夹臂连接处的耐磨度，解决了扣夹臂连接处磨损后活动过大，导致扎纽扣或断线。
  - 历来广受好评的，中缝独有的全密封机壳设计，连杆和齿轮在密封的油箱内里运转，实现了低噪音和超强的使用寿命，且维护更方便。
  - 通过新型的切线传动机构，实现了切线后留在布料上的线头量更短，噪音更低。
  - 由于采用小型步进全闭环马达，能快速启动和终止缝制。和原有 CLK-1900D 相比，大约缩短了 20% (42 针)，耗电量减少了 30%
  - 通常仅给旋梭提供清洁机油的针杆无油式。由于针杆，挑线杆周围不使用机油，因此无需担心油污问题，可放心使用，此外由于采用的是直接驱动方式，因此无皮带削屑产生，不会弄污重要的产品。
- With all the functions of CLK-1900E
  - Max sewing speed: 3,200 rpm
  - Adjust the position of stitch on button through operation panel directly rather than the mechanism.
  - Strengthening the abrasion resistance of the button clamp arm joint can avoid puncturing the button or broken stitches.
  - The widely acclaimed unique design of fully-sealed casing with the rod and gear running in the sealed tank helps reduce the noise and enhance the durability, which also makes the maintenance much easier.
  - The new thread trimmer makes the thread end shorter and the noise lower.
  - The machine can start and stop quickly with compact full closed-loop stepping motor. Compared with the previous model CLK-1900D, it reduces the cycle time by about 20% (42 stitches) and power consumption by 30%.
  - It supplies constant clean oil only to rotary hook, there is no concern of oil staining. The direct drive system, having no belt shavings can keep products clean.



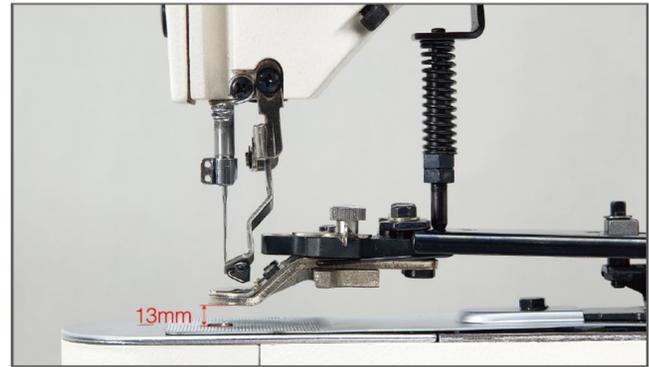
## 丰富的钉扣样式 Various button sewing patterns



● CLK-1903ES-301

## 高效地生产性能 High Productivity

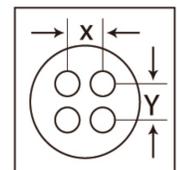
- 实现了最高缝制速度3,200rpm, 能快速地启动和终止缝制, 同时还提高了切线速度以及自动抬压脚操作的速度, 大幅度地缩短了钉扣循环时间。
- The machine achieves sewing speed of 3,200rpm. the machine's starting, stopping, thread-trimming and automatic presser lifting speeds have been increased to significantly shorten total cycle time.



- 压脚上升量最大可达到13 mm  
The max. height of work clamp lift is 13mm

## 使用简便的操作控制盘 Convenient Operation Panel

- 可在控制盘上简便地输入花样号码, 利用扩大·缩小功能可以很简便地变更钮孔间隔。
- 可通过花样键 P1-P30 登录标准花样。P1-P30 可通过单触摸键显示出花样。
- 可以登录 20 个种类的循环缝, 每个循环缝最多可组合 30 个花样。
- 倾斜操作盘以便于操作者观看使用, 可安装在机台的任何位置。
- Functional setting: Pattern number, enlargement/reduction scale, sewing speed, needle thread tension and so on.
- Pattern selection: Activating P1 to P30 patterns with a touch on corresponding keys.
- Circulatory function: 20 different cycle combinations, and maximum of 30 different sewing patterns in one cycle combination.
- Operation board: User-friendly and easy installation.



## 缝制花样一览表 Pattern List

程式号码 Pattern No.	缝制图案 Stitch diagram	针数 Sewing thread	标准长度 Standard length X(mm)	标准长度 Standard length Y(mm)	程式号码 Pattern No.	缝制图案 Stitch diagram	针数 Sewing thread	标准长度 Standard length X(mm)	标准长度 Standard length Y(mm)		
1		6-6	3.4	3.4	18		6	3.4	0		
2		8-8			19		8				
3		10-10			20		10				
4		12-12			21		12				
5		6-6			22		16				
6		8-8			23		6	0	3.4		
7		10-10			24		10				
8		12-12			25		12				
9		6-6			3.4	3.4	26		6-6	3.4	3.4
10		8-8					27		10-10		
11		10-10					28		6-6		
12		6-6					29		10-10		
13		8-8					30		5-5-5		
14		10-10			31		8-8-8				
15		6-6			32		5-5-5				
16		8-8			33		8-8-8				
17		10-10									

\* 标准缝长度 X, Y 是指扩大缩小率为100% 的时候。花样号码34-50 请用在钮孔小的时候(  $\phi$ 1.5mm 以下 )。  
Standard sewing lengths X and Y given above are given assuming that the scale is 100%. Use the patterns No.34-50 with hole diameter 1.5mm or less.

## CLK-1903E-SK series

### 高速电脑钉扣机带送扣装置

COMPUTER-CONTROLLED HIGH-SPEED, LOCKSTITCH,  
BUTTON SEWING MACHINE WITH AUTOMATIC BUTTON FEEDING

自动送扣

Automatic button feeding

多种操作模式切换

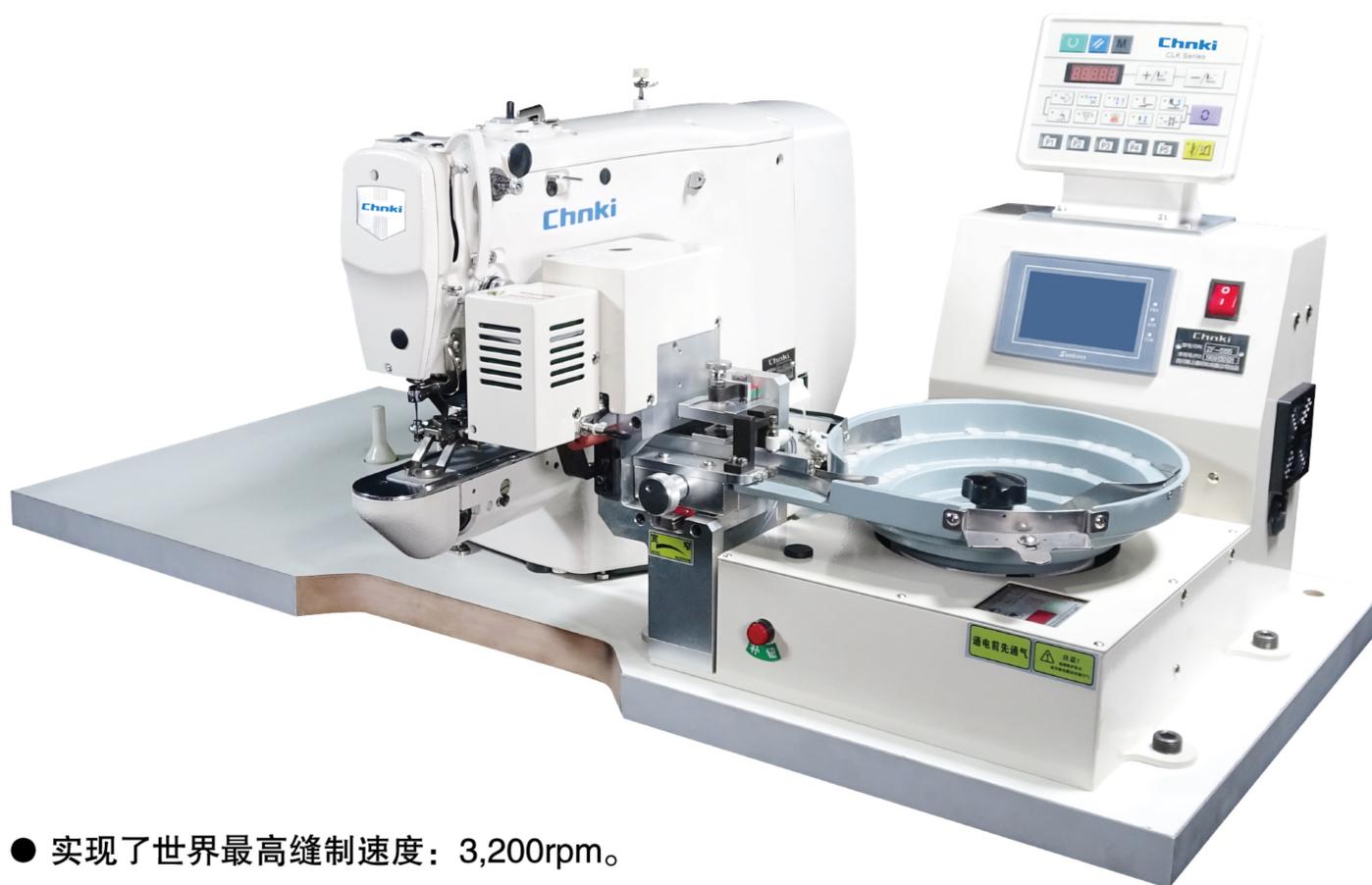
Switching among multiple operation modes

效率提升80%

Increase efficiency by 80%.

灵活应对批量生产

Flexible dealing with mass production



- 实现了世界最高缝制速度：3,200rpm。
- 具备了纵 30mm x 横 40mm 的缝制范围,可对应多花样地套结形状。
- 历来广受好评的,中缝独有的全密封机壳设计,连杆和齿轮在密封的油箱内里运转,实现了低噪音和超强的使用寿命,且维护更方便。
- 通过新型的切线传动机构,实现了切线后留在布料上的线头量更短,噪音更低。
- 由于采用小型步进全闭环马达,能快速启动和终止缝制。和原有 CLK-1900D 相比,大约缩短了 20% (42 针),耗电量减少了 30%
- 通常仅给旋梭提供清洁机油的针杆无油式。由于针杆,挑线杆周围不使用机油,因此无需担心油污问题,可放心使用,此外由于采用的是直接驱动方式,因此无皮带削屑产生,不会弄污重要的产品。
- The sewing speed: 3,200 rpm
- Various bar-tack patterns are available within its sewing area of 40mm (length) x 30mm (width)
- The widely acclaimed unique design of fully-sealed casing with the rod and gear running in the sealed tank helps reduce the noise and enhance the durability, which also makes the maintenance much easier.
- The new thread trimmer makes the thread end shorter and the noise lower.
- The machine can start and stop quickly with compact full closed-loop stepping motor. Compared with the previous model CLK-1900D, it reduces the cycle time by about 20% (42 stitches) and power consumption by 30%.
- It supplies constant clean oil only to rotary hook, there is no concern of oil staining. The direct drive system, having no belt shavings can keep products clean.

## 规格 Specifications

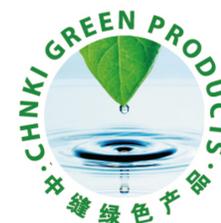
型号 Model No.	CLK-1903E	CLK-1903E-SK
最高缝制速度 Max. sewing speed	3,200rpm	
钮扣尺寸 Button size	8 ~ 32mm	
缝迹长度 Stitch length	0.05-10mm(0.05mm 单位Step)	
针杆行程 Needle bar distance	45.7mm	
压脚上升量 Lift of the work clamp	Max. 13mm	
自动抬压脚装置 Auto-lifter	标准装备 (全闭环脉冲马达式) Provided as standard (full closed-loop pulse motor type)	
机针 Needle	DP × 17(#14)	
旋梭 Hook	半旋转标准旋梭 Standard shuttle hook	
记忆容量 Memory capacity	Max. 20,000 stitches	
标准花样数 Number of standard patterns	50 个花样 Patterns	
可记忆数据数 Number of data that can be input	200 个花样 Patterns (可追加至150 个花样的缝制数据) (for up to 150 patterns, sewing data can be added.)	
扩大·缩小机能 Enlarging/ Reducing facility	20-200%(1% 单位 Step), 缝迹长度增减方式 Pattern enlargement/ reduction can be done by increasing/ decreasing the stitch length	
记忆媒体 Storage Media	EEP-ROM, EP-ROM (USB 闪存 Flash Drive)	
底线记数 Bobbin thread counter	标准装备 (上增 / 下减方式) Provided as standard (up/ down method)	
加油方式 Lubrication	微量油线加油 Semi-dry Type	
消耗电力 Power consumption	200V-240V 300VA	
机器马达 Motor	550W AC 伺伏马达 (直接驱动式) Servo Moter (Direct-drive System)	

## 定货方法 How to order?

CLK-1903ES

编码 Code	缝制区分 Application
S	标准 Standard
SK	带送扣装置 AUTOMATIC BUTTON FEEDING

编码 Code	纽扣扣夹区分 Button clamp jaw lever
301	极小纽扣用·小纽扣用 For extra-small, small button
302	中扣用 For medium-size button
303	带有松线装置 With tension release mechanism
304	钉立扣用(云母扣) For shank button
305	特大纽扣用 For extra-large button



Save power by using servo motor.  
Noise reduced by 3dB than old model.  
Save the oil by 1/3 through non-oil supply technology.

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