

CLK-1900E series

高速电脑套结机

Computer-Controlled High-Speed Bartacking Machine

飞跃性的提高寿命

LONGER LIFETIME,

使用更为方便，噪音更低更环保

CONVENIENT OPERATION, LOWER NOISE



标准配置及性能 SPECIFICATION AND FUNCTION

- 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.

多花样的缝制范围 Sewing area with various patterns

- 如果采用了编制操作系统 IP-200(选购件), 能够自由地在纵 30mm x 横 40mm 的缝制范围,可对应多样化地套结形状,具备了较高的扩展性。
- Various bar-tack patterns can be sewn within the sewing area of 40mm (length) x 30mm (width) with the programmable software IP-200 (optional).



● IP-200



● 可切换的2段行程压脚
work clamp lift can switch for the double-step stroke.

充分考虑到环保问题 Environment-conscious

- 中缝公司根据国际规格 ISO14021 制定了《中缝绿色标记》。CLK-1900D 已获得此认定。基于“通过伺伏马达方式实现业界领先的节能性”、“与传统机型性能相比噪音降低了 3dB 以上”、“通过无供油化技术、使耗油量变为原来的 1/3”等等这些因素,此缝纫机充分考虑了地球环境问题。
- CHNKI has made CHNKI GREEN LABEL for CLK-1900 series in conformity with ISO 14021. Compared with the old model, it saves power with the servo motor, reduces noise by 3dB and saves oil by 1/3 through non-oil supply technology.



通过伺伏马达方式实现业界领先的
节能性与传统机型性能相比噪音降低了3dB
以上通过无供油化技术、使耗油量变为原来的1/3
Save power by using servo motor. Noise reduced by 3dB than old
model. Save the oil by 1/3 through non-oil supply technology.

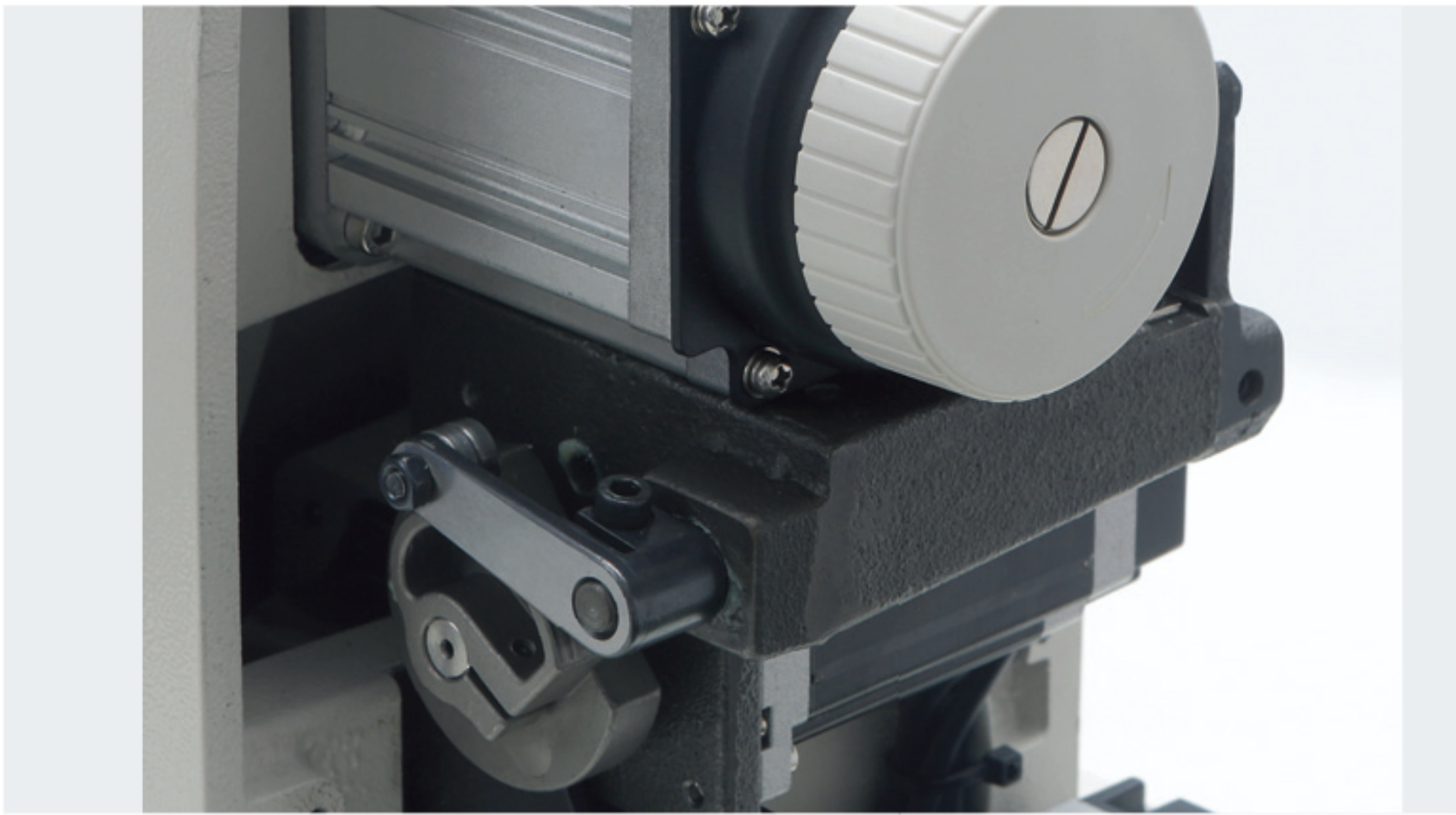


集中照明的LED灯
LED LIGHT

新型的脉冲马达抬压脚机构和切线机构

New work clamp lift and thread trimming mechanism

- 装备了新型的脉冲马达式自动抬压脚机构和切线机构。抬压脚机构可以切换从 1 段行程到 2 段行程，能更容易确认落针点，大大缩短了设定时间。新型的切线机构，切线后，线头余线长度为 2 ~ 2.5mm，无需再进行摘线工序，和没有凸轮与电磁铁撞击的声音，大大的减轻了操作者的疲劳。
- The work clamp lift driven by full closed-loop pulse motor, can switch between the first step and the second step optionally to enable positioning of material easy. New thread trimmer makes the thread end shorter than 2.5mm and direct-driven by pulse motor makes low noise and vibration which helps reduce operators' fatigue.



● 新型的抬压脚机构和切线机构
New work clamp lift mechanism and thread trimming mechanism

强大的机针贯入力

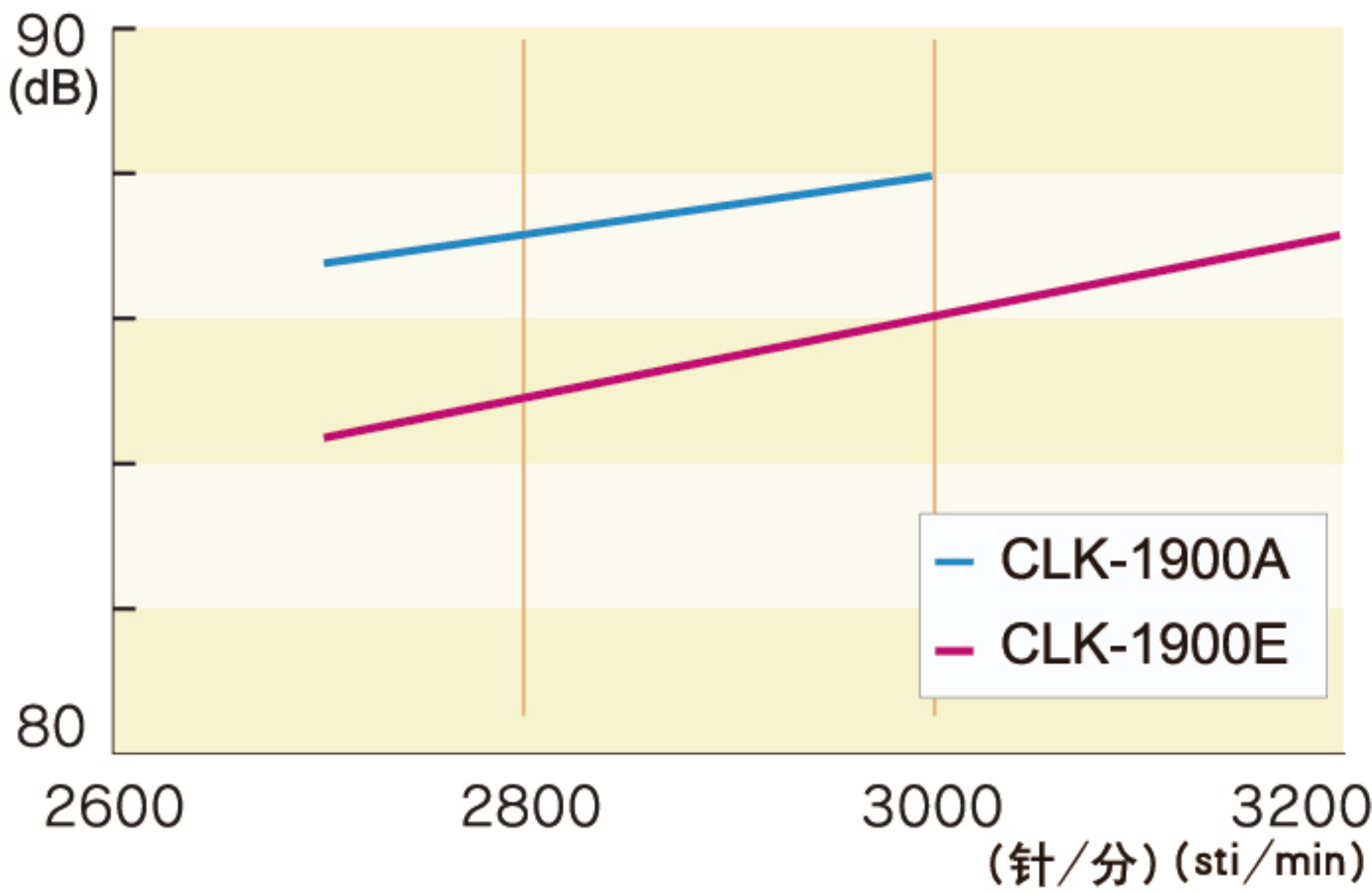
Strong needle penetration

- 采用经过增强的 550W 伺伏马达，即使低速，其机针的穿透力也极强。厚料缝制也能轻松进行。
- It's equipped with 550W servo motor which can keep sewing beautiful and thread trimming stable for heavy-weight material. Even running at a low speed, the needle penetration is still very strong.

实现了低张力缝制和广泛的可缝性能

Low tension and high sewing performance

- 刚性得到进一步提高，装备了全闭环脉冲马达送布装置，采用了备有最佳同步和行程的针杆挑线杆装置，可进行低张力，底面线收线一致的缝制。夹线器平衡范围扩大，从而使用于薄料，针织品的可缝范围进一步扩大。
- It is equipped with closed-loop pulse motor for material feeding device, With mechanism of perfect needle bar sync with take-up lever, helps sew with low tension and take up the bobbin thread & upper thread at the same time. The equilibrium of the thread catching has been expanded, which can enlarge the sewing range for light and knitted materials.

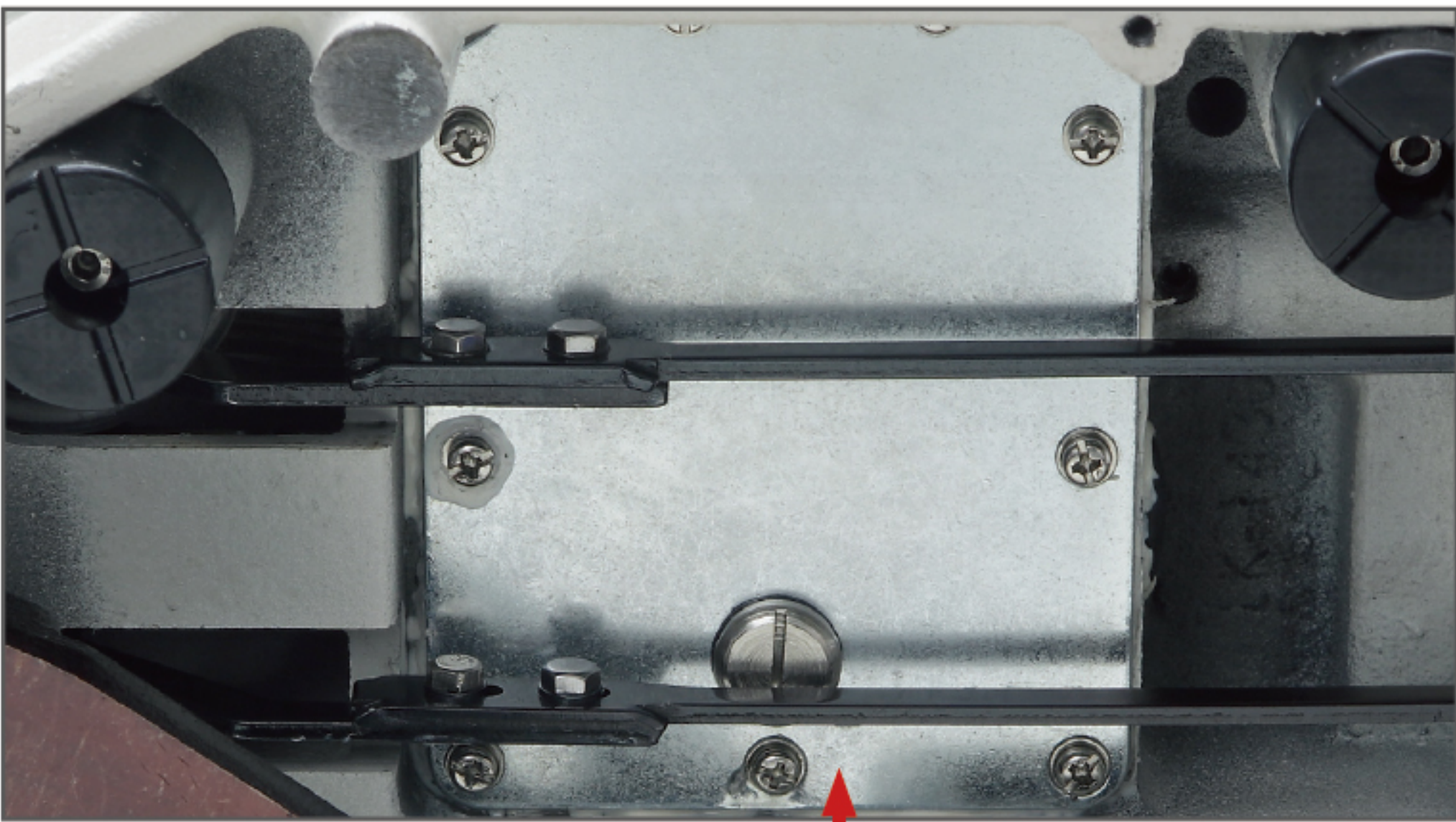


● 噪音水平 Noise level

低噪音、低振动、长寿命

Lower noise, better stability, longer lifetime

- 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。
- 针对传统机型 1900D 款，挑线杆部份易缠线问题做了改进。采用全新的防缠线机构，解决了易缠线问题，降低了故障率。
- 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.
- Based on the old 1900D, a new kinking preventing device is equipped to solve the problem of kinking in the take-up part, thus decreases the failure rate.

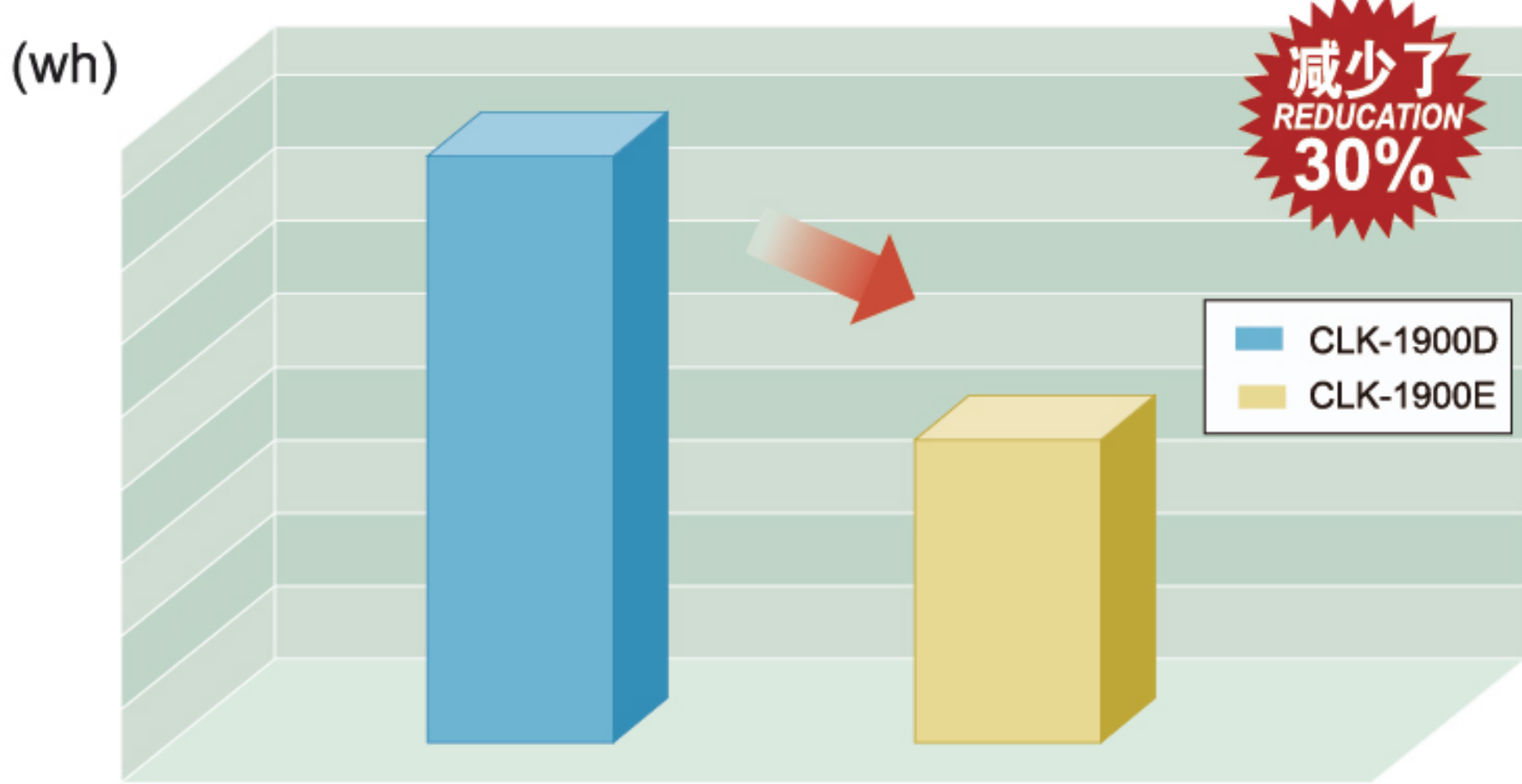


● 全密封的齿轮油箱 Fully-sealed gear tank

电耗低，经济实用

Low power consumption, economical & practical

- 采用无传动损失的电脑直接驱动方式，并装备了全闭环脉冲马达。耗能量与 CLK-1900D 大约削减了 30%。是电耗量极低的电脑套结机。
- The machine adopts direct-drive mode without any loss of transmission and is equipped with full closed-loop pulse motor. Power consumption is about 30% lower than that of CLK-1900D.



(以3秒的周期、220V的规格来实施)
(3 seconds cycle, 220V)

● 消耗电力 power consumption

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.



● IP-200



USB (闪存)
USB (Flash Memory)

经济且广泛使用的外围设备 Peripheral Equipment

- 缝纫图形编制软件,可缝制除预设图形以外的缝纫图形,CP-200 是用以在个人计算机上创建缝纫图形的软件。
- Besides the preset ones, more patterns can be designed by CP-200 software on your personal computer.



CP-200 软件
CP-200 Software



个人电脑
PC



USB (闪存)
USB (Flash Memory)



操作控制器
Operation Controller

丰富地辅助件 Options of CLK-1900E

- CLK-1900E 类型包括 S 规格 (标准)、O 规格 (标准)、H 规格 (厚料)、F 规格 (内衣)、M 规格 (针织)、W 规格 (厚料·大旋梭)、G 规格 (厚料·大旋梭) 这 7 种类型; 可根据用途选择合适的类型。
- S type (standard), O type (for radial type), H type (for heavy-weight material), F type (for foundation), M type (for knits and knitted materials) and W type (with a large shuttle hook for heavy-weight materials), G type (for heavy with a large shuttle hook)



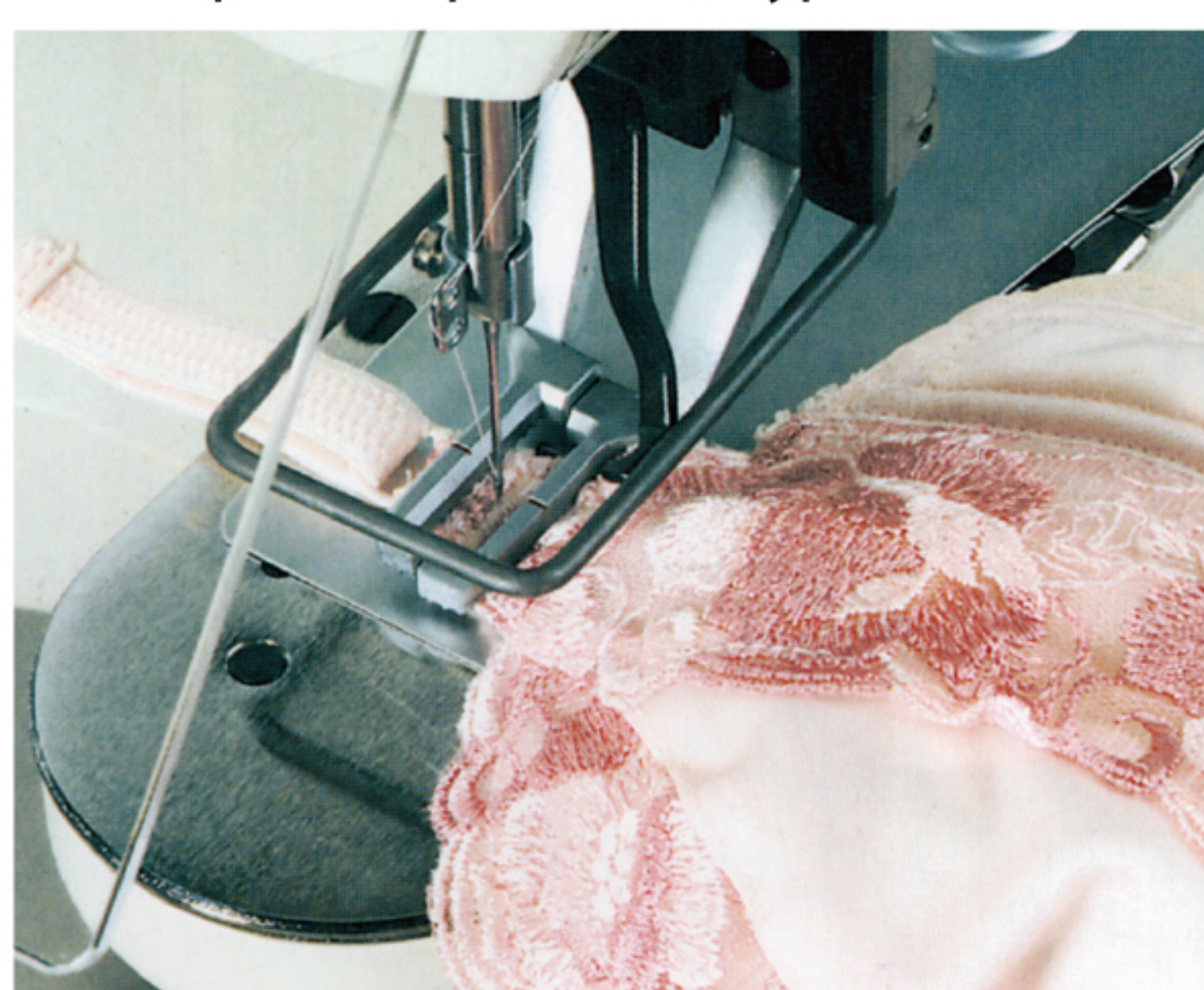
● 裤袋口(S 规格)
For pocket lip of suit (S type)



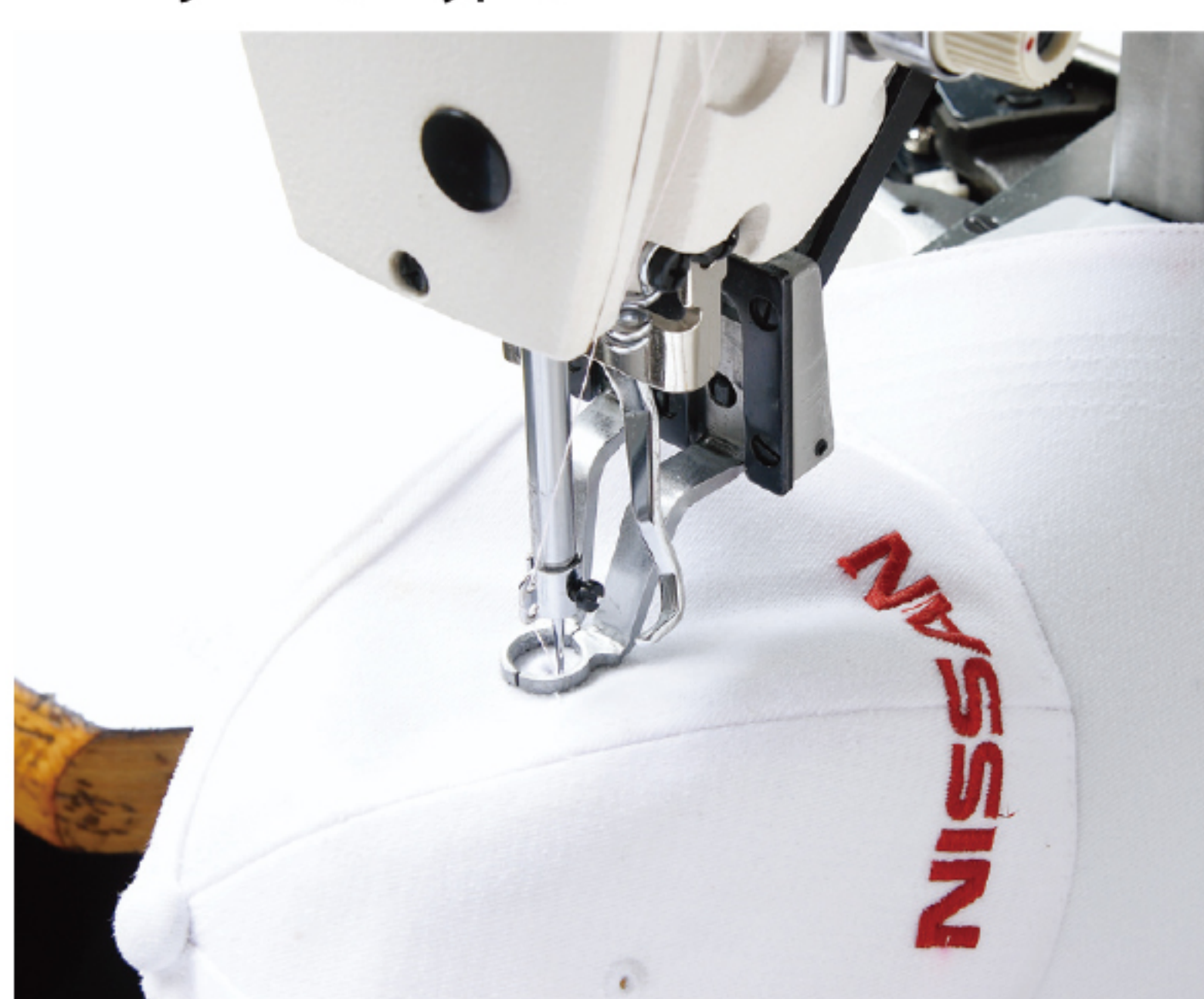
● 牛仔裤股下套结(H 规格)
For jeans (H type)



● 背心肩套结(M 规格)
For vest shoulders (M type)



● 胸罩肩带(F 规格)
For bra strap (F type)



● 帽眼圆形 (O规格)
For hats (O type)



● 箱包, 鞋舌 (G规格)
For bags and shoes (G type)

规格 Specification

| | | | | | | | | |
|---|---------------|---|----------------------|--|------------------------------|----------------------------------|--|--|
| Model No. | 机种名 | CLK-1900ES | CLK-1900EFS | CLK-1900EMS | CLK-1900ESO | CLKC-1900EHS | CLK-1900EHG | CLK-1900EWS |
| Application | 规格 | 标准 Standard | 内衣 For foundation | 针织类 For knits and knitted materials | 菊花眼 For radial bartacking | 厚料 For heavy-weight materials | 箱包，鞋舌 For bags and shoes bartacking | 大旋梭 With large hook for heavy-weight material |
| Max.Sewing Speed | 最高缝制速度 | 3,200rpm | | | 2,500rpm | | | |
| Sewing area | 可缝尺寸 | 横40mm (L) X 纵30mm (W) | | | | | | |
| Stitch length | 缝迹长度 | 0.05mm~10mm(0.05 单位steps) | | | | | | |
| Needle bar stroke | 针杆行程 | 41.2mm | | | | | | |
| Lift of the work clamp foot | 压脚上升量 | 标准Standard 14mm (仅转抬针时17mm when the reverse-rotation needle-up function) | | | | | | |
| Auto- lifter | 自动抬压脚装置 | 标准装备Provided as standard(全闭环脉冲马达Fully closed-loop pulse motor) | | | | | | |
| Needle (at the time of develivery) | 机 针(出厂时装备的型号) | DPX5(#14) | | DPX5(#11) | | DPX17(#18) | | |
| Hook | 旋梭 | 半旋转标准旋梭 Standard shuttle hook | | | | | | 半旋转大旋梭 Large shuttle hook |
| Number of stitches that can be stored in memory | 记忆容量 | Max.20,000 针 stitches | | | | | | |
| Number of standrad patterns | 标准花样数 | 50 个花样 patterns | | | | | | |
| Number of data that can be input | 可记忆数据数 | 200 个花样(最多可追加至150 个花样的缝制数据) 200 patterns (for up to 150 patterns, sewing data can be added.) | | | | | | |
| Enlarging/reducing facility | 扩大、缩小机能 | 20~200% (1% 单位 step), 缝迹长度增减方式 | | | | | | |
| Memory medium | 记忆媒体 | EEP-ROM, EP-ROM USB (闪存 flash memory) | | | | | | |
| Bobbin thread counter | 底线记数 | 标准装备 Provided as standard (上增/ 下减方式 up/down method) | | | | | | |
| Lubrication | 加油方式 | Hook:微量油线加油 minute-quantity lubrication | | | | | | |
| Lubricating oil | 机油 | 机油 Oil No.2(相当 equivalent to ISO VG32) | | | | | | |
| Sewing machine motor | 机器马达 | 550W AC 伺伏马达 servomotor (直接驱动式 direct-drive system) | | | | | | |
| Power consumption | 消耗电力 | 200V-240V 300VA | | | | | | |
| Weight | 重量 | 机头 Machine head (装载马达 include motor) 52kg, 控制箱 Control box 16.5kg | | | | | | |

定货方法 How to order?

●套结 Bartacking

CLK-1900ES□000

| | |
|------|--|
| Code | 缝制区分 Work clamp foot |
| S | 标准 Standard |
| H | 厚料 Heavy weight material |
| F | 内衣 Foundation |
| M | 针织类 For knits and knittrf materials |
| W | 大旋梭 With large hook for heavy-weight materials |

| | |
|------|---------------------|
| Code | 压脚规格区分 Application |
| S | 标准 Standard |
| O | 菊花眼 For radial type |
| K | 箱包 For bags |
| G | 鞋舌 For shoes |

| | |
|------|-----------------|
| Code | 附件分区 Attachment |
| 000 | 无 Not provided |