



# K-1E1900

Computer-controlled, High-speed, Bartacking Machine

# K-1E1903

Computer-controlled, High-speed, Lockstitch, Button Sewing Machine



## Features

- The direct drive system has been adopted.
- The control box is integrated with the machine head.
- Active tension is standard equipment.

## SPECIFICATIONS

Model name	K-1E-1900SS	K-1E-1900SB	K-1E-1900SH	K-1E-1903SS
Application	Medium weight material		For heavy-weight materials	Medium weight material
Lubrication	Semi-dry head (Hook: minute-quantity lubrication)			
Max. sewing speed	3,200sti/min* (Factory default: 2,000sti/min*)			2,700sti/min* (Factory default: 2,000sti/min*)
Sewing area	30mm (L) x 40mm (W)			
Stitch length	0.1~10mm (0.1mm step)			
Needle bar stroke	41.2mm			
Lift of the work clamp foot	Standard 13mm (17mm when the reverse-rotation needle-up function)			
Auto-lifter	Provided as standard (stepping motor type)			
Needle thread tension	Active tension (electronic thread tension control system)			
Needle (at the time of delivery)	DP x 5 (#14)		DP x 17 (#21)	DP x 17 (#14)
Hook	Standard shuttle hook			
Number of stitches that can be stored in memory	Max.13,000 stitches			
Number of standard patterns	100 patterns			
Number of data that can be input	200 patterns			
Enlarging / Reducing facility	20~200% (1% step), Pattern enlargement / reduction can be done by increasing / decreasing the stitch length			
Memory medium	Internal-organs memory			
Bobbin thread counter	Provided as standard (up / down method)			
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)			
Sewing machine motor	Compact AC servomotor (direct-drive system)			
Power supply / Power consumption	Single-phase 220V			
Weight	Machine head 48kg			

\*sti/min is the abbreviation for "stitches per minute"

## WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

### Machine head: Bartacking Machine

Drive type	Code	Power supply	Code
Electronic drive	E	Single-phase 220V	A

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Application	Code	Work clamp foot	Code
Medium weight material	S	Standard	S
For heavy-weight materials	H	Simple conversion to button sewing	B

\*Work clamp foot category "B" is set only for application "S".

### Machine head: Button Sewing Machine

Drive type	Code	Application	Code
Electronic drive	E	Standard	S

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Work clamp foot	Code	Power supply	Code
Standard	S	Single-phase 220V	A



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- \* Specifications and appearance are subject to change without prior notice for improvement.
- \* Read the instruction manual before putting the machine into service to ensure safety.
- \* This catalogue prints with environment-friendly soyink on recycle paper.
- \* Paper from responsible sources FSC™ C001712

# K-1E Series

# K-1E Series

## Active tension (electronic thread tension control mechanism)

The active tension has been introduced to the needle thread tension controller. With the active tension, pinpoint changes in the needle thread tension during sewing are enabled. The needle thread tension, therefore, can be set in conjunction with the material thickness and can be corrected according to the direction of sewing on a stitch-by-stitch basis through the operation panel. Since the needle thread tension is reproducible, supporting a broader range of sewing conditions.



## The control box is integrated into the head

The control box is integrated with the head of the sewing machine, making it easy to set up and use. All of the K-1E Series adopt the direct drive system. As a result, the sewing machine starts up swiftly and promises increased stop accuracy, thereby demonstrating improved thereby demonstrating improved responsiveness.



## Operation panel

Functional settings, such as pattern numbers and needle thread tensions can be established through the operation panel with ease. Distance between holes in a button can be easily changed by means of pattern enlargement/reduction feature.

### • USB port

The K-1E series is equipped as standard with a USB port that can be used to charge smartphones, etc



Operation panel for K-1E1900

## Oil stains are eliminated

Thanks to our advanced dry-head technology, the frame (needle bar and thread take-up) no longer requires lubrication. This prevents the material from being stained with lubricating oil.

## LED light

The LED light is located on the underside of the arm jaw. It reduces operator fatigue and improves work efficiency. It is provided as standard for all models of the K-1E Series.



K-1E1900



K-1E1903

## Computer-controlled, High-speed, Bartacking Machine

# K-1E1900SS

The machine achieves sewing speed of 3,200sti/min. The machine is highly productive and provided as standard with 100 different sewing patterns. This is an excellent high speed computer-controlled bartack machine which enables to register as many as 99 cycles of which each cycle can contain 99 sewing patterns as well as good responsiveness to various sewing patterns.



## Computer-controlled, High-speed, Bartacking Machine (with conversion parts for button sewing machine)

# K-1E1900SB

The machine achieves sewing speed of 3,200sti/min\*. This machine comes standard with parts for converting from a bartacking machine to a button sewing machine. This specification is efficient because it can be used for both bartacking and button sewing machines.

\*2,700 sti/min for button sewing



Conversion parts for button sewing machines



## Computer-controlled, High-speed, Lockstitch, Button Sewing Machine

# K-1E1903SS

The machine achieves sewing speed of 2,700sti/min. The machine's thread-trimming etc. have been increased to significantly shorten total cycle time. The machine is provided as standard with 50 different sewing patterns at higher productivity. The K-1E1903 is a lockstitch button sewing machine which is not only applicable to many different sewing specifications but also able to carry out cycle sewing and produces high-quality seams.

