

Juki MB - 1800S

MB - 1800A/BR10 (with a button feeder)

**Computer-controlled, Dry-head, High-speed,
Single-thread Chainstitch Button Sewing
Machine**

**Direct
Drive
Innovation**

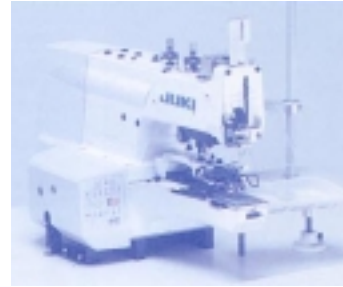
A new button sewing machine that supports many different button sewing specifications independently.



MB-1800S

Computer-controlled, Dry-head, High-Speed, Single-thread, Chainstitch Button Sewing Machine

It comes with direct-drive electronic feed driven by a compact AC servomotor to guarantee excellent seam quality and dramatically improve flexibility and maintainability, The proven MB-Series offers up-graded performance with its increased sewing speed, improved feed accuracy, adequate length of remaining thread after thread trimming, and function to prevent finished seams from coming undone during shank-button sewing.



Excellent seam quality and improved flexibility

The machine is able to independently sew various stitching shapes such as U-shaped stitching, X-shaped stitching, and Z-shaped stitching.

The machine has 55 different stitching patterns as standard. In addition to the sewing shapes, the buttonhole intervals and number of stitches can also be changed on the operation panel. The machine completely supports many different button specifications to increase its range of applicability, reduce costs associated with changes in specifications, and save the operator from having to adapt the machine to different specifications.

Custom patterns can be created on the PGM-20 and then used on the sewing machine.

Shorter lengths of thread remain after thread trimming.

The machine performs thread trimming at the optimal position by correcting the button position with respect to the needle entry of the last stitch. This shortens the thread remaining on the material after thread trimming to approx. 3.5 mm.

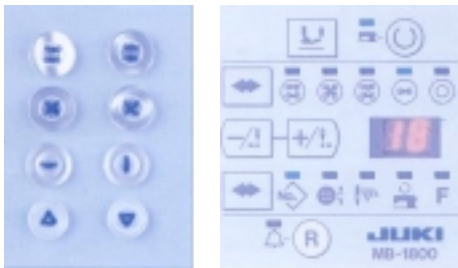
The dry-head eliminates oil stains

The machine head is non-lubricating type. With this type, the operator never has to add oil, and staining of the sewing product with oil is an impossibility.

The machine sews buttons with beautifully finished seams.

The machine adopts a stitching pattern with the tying stitch only at the final stitch. This ideal stitching pattern optimizes single thread chainstitching to produce beautiful seams on the wrong side of the material, thereby guaranteeing excellent seam quality.

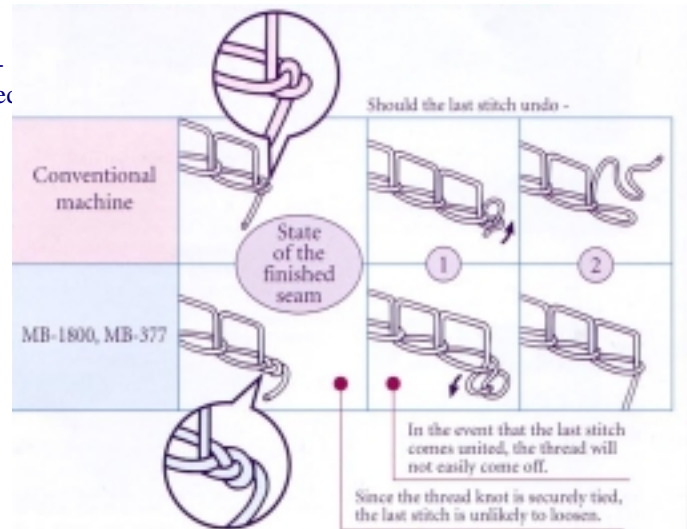
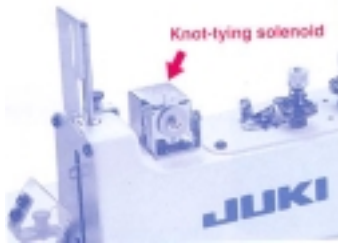
Moreover, since the machine uses significantly fewer mechanical parts, troubles caused by excessive play in the feed such as needle breakage and button breakage occur for less often.



The machine is equipped as standard with a thread-fray-prevention function.

The machine comes as standard with the solenoid operated, thread-tension-changeover “thread –fray-prevention function.” Since the machine is designed to use a long needle (TQX 7), the “thread-fray-prevention function” can be used for sewing shank buttons.

The “thread-fray-prevention mechanism” can be rendered ON or OFF as required by setting the solenoid drive ON or OFF.



The machine offers outstanding productivity

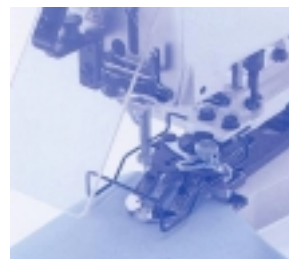
The machine runs at a maximum sewing speed of 1,800 rpm and comes with a direct-drive supported by a compact AC servomotor that offers excellent stopping accuracy and responsiveness. Working in combination, these features shorten the machine time by 10% or more compared with our conventional machine. Needless to say, the single-thread chainstitch, button sewing machine does not need bobbin thread changing.



For sewing shank buttons

Excellent maintainability and operability.

Thanks to the elimination of the mechanical structures such as the stop-motion mechanism and feed cam, the machine operates with less vibration and noise and requires no maintenance. The foot pedal can be operated with reduced pressure from the operator’s foot. This helps reduce operator fatigue by allowing the operator to operate the machine more rhythmically.





Attaching flat buttons (small)

Attaching flat buttons (medium)



Button neck wrapping, 1st process

Specifications

Model Name	MB-1800S	MB-1800A/BR10
Max. sewing speed	1,800 rpm	
Amount of feed	Crosswise feed 0~10mm Lengthwise feed 0~6.5mm	Crosswise feed 0~4 mm Lengthwise feed 0~4.0mm
Applicable buttons	Type: Round-shaped flat buttons Size $\Phi 10 \sim \Phi 28$ mm Attachment: <ul style="list-style-type: none"> For small buttons ($\Phi 10 \sim \Phi 12$mm) For medium buttons ($\Phi 12 \sim \Phi 20$mm) For large buttons ($\Phi 20$mm or more) Thickness: 1.8~5.0mm The button clamp jaw lever for thick buttons has to be used for buttons with thicknesses of 3.5mm or more	Type: Round-shaped flat buttons Size $\Phi 9 \sim \Phi 26$ mm Machines can be custom ordered for the sewing of button diameters outside the standard range less than $\Phi 10$ mm and less $\Phi 19$ mm and over For buttons of which diameter is $\Phi 16$ mm or more, a button clamp jay lever for large buttons has to be used. Thickness: 1.8~3.5mm
	Type: Shank buttons, wrapped-around buttons, snaps, stay buttons, labels (exclusive attachments have to be used)	
Stitching shape		
Lift of the button clamp	Max. 14mm	
Needle bar stroke	48.6 mm	
Needle (at the time of delivery)	TQ X 7 # 14 ~ # 20 (#16)	
Feed System	By stepping motor	
Knot-tying mechanism	Provided as standard	
Lubrication	No lubrication	
Discrimination of button to be feed	-	Vibration system
Button feed	-	By the horizontal, forced-feed mechanism
Button feed mode	-	Automatic feed mode, non-feed mode, and small-lot sewing machine
Power requirement	Single-phase 220 ~ 240V, 100 ~ 120V (by changing over the PWB connector)	Single-phase 110 V, 115 V, 220V, 240V
Power consumption	150W	250 W
Weight	Machine head, Circuit board 25kg	Machine head, Circuit board + control box for BR+ device + table 56.5kg