

# LBH-1790S

Computer-controlled, High-speed, Buttonholing Machine

# JUKI



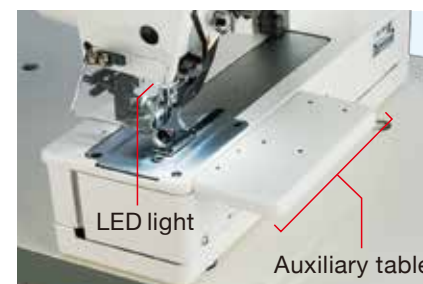
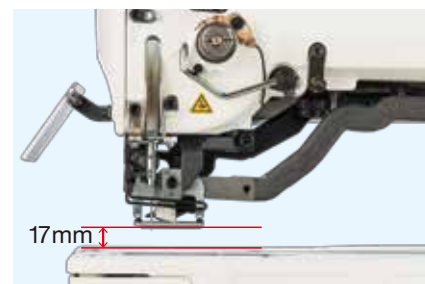
Good Value Models with JUKI Quality and Friendly to Operators



LBH-1790S

## Operability that promises ease of use

- The work clamp foot lifting height can be set as desired. The work clamp foot can be lifted as high as to 17 mm by the use of the reverse-rotation needle-up function.
- Handling and placement of the sewing product is further improved by installing the auxiliary table (supplied as standard with the sewing machine). In addition, the needle enters the center of the bed, contributing to easier positioning of the sewing product.
- Quietness of the sewing machine during sewing is ensured by the direct-drive motor.



## SPECIFICATIONS

Model name	LBH-1790SS
Application	Standard
Lubrication	Semi-dry head (Hook : minute-quantity lubrication)
Max. sewing speed	4,200sti/min (at the time of delivery : 3,600sti/min*)
Size of cloth cutting knife	6.4~31.8mm (1/4"~1-1/4")
Buttonhole length	Max. 41mm
Needle thread tension	Active tension (solenoid)
Needle (at the time of delivery)	DPx5 (#11J) #11J~#14J
Lift of the work clamp	14mm (17mm when the reverse-rotation needle-up function is used)
Auto-lifter	Provided as standard (stepping motor type)
Needle throwing system	Stepping motor
Cloth feeding system	Stepping motor
Cloth cutting knife system	Motor-driven clamp system
Number of standard patterns	31 patterns
Number of patterns that can be input	Max. 99 patterns
Machine head drive system	Compact AC servomotor (direct-drive system)
Power requirement / Power consumption	Single-phase 200~240V / 370VA
Weight	Machine head (include motor) 55kg, Control box 5.5kg

\*sti/min\*stands for "Stitches per Minute"

## WHEN YOU PLACE ORDERS

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

Machine head

### LBH1790SS

Application	Code	Type	Code
Standard	0	Standard	S

Control box

Operation panel	Code
Standard	S

### MC603 S

	Power supply	Code
Single-phase	200V~240V	K
	200V~240V (For CE)	N
	200V~240V (For China)	U

● To order, please contact your nearest JUKI distributor.

**JUKI ECO PRODUCTS** The LBH-1790S is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

● The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: [http://www.juki.co.jp/eco\\_e/index.html](http://www.juki.co.jp/eco_e/index.html)

\*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

Registered Organization : JUKI CORPORATION Head Office  
 The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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# LBH-1790S

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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

# LBH-1790S

JUKI Simple Series sewing machine LBH-1790S has been designed to have simplified and narrowed down capabilities that are essentially required to produce JUKI's established seam quality. In addition, it supports the operator with the voice guidance system to improve work efficiency.



## JUKI's established quality is achieved with simplified functions

### Higher productivity

This sewing machine achieves higher productivity with its improved capabilities such as the maximum sewing speed of 4,200 sti/min, quick acceleration at the beginning of sewing and quick deceleration at the end of sewing, increased thread trimming speed and the auto-lifter performance.

### Multiple-times knife dropping

Thanks to JUKI's unique multiple-times knife dropping function, the knife replacement is no longer required even when the buttonholing size is changed. In the case of small-lot production, frequent change in the sewing size and / or sewing of different cycle sewing patterns with different sewing sizes are required. In such a case, the number of times to drop the cloth trimming knife are automatically set according to the buttonholing size.

### Easy changeover of sewing settings

Changeover between purl stitching and whip stitching and between single stitching and double stitching can be carried out with ease.

### Basting stitch on elastic materials

The basting stitch is effective on elastic materials such as knits.

Basting stitch : Since the needle thread is tucked in without fail, it will never jut out of the buttonhole seams. Basting stitch can be sewn by nine rounds.



Without basting stitch    With basting stitch    Basting stitch  
(The state in which the material is stretched in the lengthwise direction after buttonholing)

### Main functions driven electrically

The electric-driven mechanism has been adopted for the work clamp foot lifter, needle / bobbin thread trimmers, work clamp foot pressure regulator, cloth trimming knife and thread tension controllers, thereby ensuring stable sewing that produces beautiful seams with less operating noise.

### Active tension (electronic thread tension control mechanism)

- The needle thread tension can be separately set for the parallel section and bartacking section of the buttonhole seam according to various sewing conditions (thread, material, sewing speed, etc.) given, and those setting data can be stored in memory.
- The needle thread tension can be changed over at the parallel and bartacking section of the buttonhole seam without fail, thereby producing beautifully-finished buttonhole stitch shape.
- The needle thread tension to be employed at the beginning and end of sewing can be set individually. This helps prevent slip-off of the thread at the beginning of sewing and unravel of the finished seam.



## Standard operation panel (new model)

- Setting of functions such as the pattern number and the needle thread tension can be entered through the operation panel with ease. It is also possible to easily change the distance between buttonholes by means of the enlargement / reduction function.
- The operation panel is provided as standard with a USB port. This means that the sewing machine data management and software updating can be carried out with ease by means of the USB port.



### Voice guidance for the operator

This sewing machine is provided as standard with the voice-guidance system with clock function. The voice guidance can be used for the purpose of production support such as giving the operator information about the number of pieces produced, work progress management and the operation rate of sewing machine, though the initial setting is required.

## As many as 31 different buttonholing shapes are provided as standard.

As many as 99 different sewing patterns can be stored in memory. The sewing patterns that are stored in memory can be selected as desired through the operation panel.

1  Square	2  Round	3  Radial square	4  Radial	5  Radial straight bartacking	6  Radial taper bartacking	7  Eyelet square	8  Eyelet radial
9  Eyelet straight bartacking	10  Eyelet taper bartacking	11  Semilunar	12  Round square	13  Semilunar square	14  Semilunar straight bartacking	15  Semilunar taper bartacking	16  Eyelet semilunar
17  Eyelet round	18  Square radial	19  Square semilunar	20  Square round	21  Square straight bartacking	22  Square taper bartacking	23  Radial semilunar	24  Radial round
25  Semilunar radial	26  Semilunar round	27  Bartacking	28  Bartacking, right cut	29  Bartacking, left cut	30  Bartacking, center cut	31  Basting stitch + Knife	