

High-speed, Computer-controlled Buttonholing Indexer

ACF-172-1790

LBH-1790, high-speed, computer-controlled lockstitch buttonholing machine has been combined with a high-performance and highly accurate indexer.

**ACF-172-1790**

High-performance indexer mechanism

A stepping motor controls material feed amounts in increments of 0.1mm to feed materials with both consistency and accuracy. The machine is able to sew 1 to 20 buttonholes and stores 20 different stitching patterns in its memory. When combined with a preset device and a garment-body stacker, the machine produces buttonholes with higher efficiency.

The machine comes with an LBH-1790, which has been developed with the central focus on functions and performance.

The maximum sewing speed has been increased to 4,200rpm. The adoption of a direct-drive motor helps to increase accuracy of the machine's performance with respect to startup at the beginning of sewing and stopping at the end of sewing, thereby contributing to increased productivity. (It should be noted that productivity depends on sewing conditions.)

With JUKI's unique active tension (electronic thread tension control mechanism), it is possible to change over the needle thread tension at parallel portions and bartacking portions of a buttonhole with reliability to finish with a beautifully stitched shape. In addition, a new-model thread trimming mechanism shortens the thread remaining at the end of a seam after thread trimming, thereby saving thread nipping. Furthermore, fastening stitches at the end of sewing prevent a seam from



Oil stains on the sewing product are eliminated.

Thanks to our advanced dry-head technology, no lubrication is required except for the hook section. This eliminates oil stains on the sewing product. Only a minute-quantity of clean oil is fed to the hook section from the oil tank.

The machine can be completely changed into a dry-head machine by replacing the hook with an optional non-lubricated hook. (In this case, the maximum sewing speed will be 3,300rpm.)

The IP-200 operation panel is provided as standard.

A large color LCD touch panel has been adopted for the display. It offers upgraded operability to facilitate the programming of sewing data. In addition, data can be saved on SmartMedia or on a personal computer.

This means that data can be exchanged or shared with the LBH-1790, which is the general-purpose model, or among remote factories.



Daily Productivity (Working hour : 8 hours/day)

- One operator works two machines : 2,150~2,420 pieces
- One operator works three machines : 3,220~3,680 pieces

*The above information is subject to changes of operation time allowance and sewing conditions (number of button holes, number of stitches and etc.)

SPECIFICATIONS

Model name	ACF-172-1790
Machine head	LBH-1790 (exclusive machine head for ACF)
Max. sewing speed	4,200rpm (normal: 3,600rpm)
Stitch length	Max. 25mm
Knife size	6.4~19.1mm (1/4~3/4 inch)
Lift of the work clamp foot	Max. 14mm
Needle	DPX5 #11J~#14J
Feed system	Stepping motor
Feed direction	Right (for men's garments) or left (for ladies' garments)
Unit of feed amount	Min. 0.1mm
Number of patterns that can be input	20 patterns
Number of buttonholes	1~20 pcs.
Power requirement	3-phase 200V
Power consumption	1,000VA
Compressed air and air consumption	0.5MPa(5kgf/cm ²), 240N _l /min
Dimensions	1,910(W)x850mm(D)
Total weight	300kg
Presetting device	Provided
Garment body stacker	Provided
Pair stacking	Possible

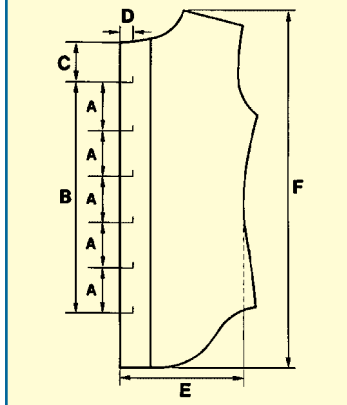
APPLICATIONS SIZE OF CLOTH

A	Buttonhole interval	0~610mm (0.1mm steps) (unequal interval can be selected)
B	Total feeding amount	610mm
C	Distance from the top end of the garment body to the first buttonhole	Max. 140mm (distances exceeding 140mm are possible by means of the jump feature)
D	Distance from the front side end of the garment body to the buttonhole	7~21mm
E,F	Applicable size of the garment body to be sewn	Width: 220~420mm Length: 400~880mm

Non-lubricated hook (option)

Name of part	Part No.
RP hook (asm.)	400-06345
RP bobbin case	400-06349
Hook sleeve (asm.)	137-29603
Screws	SS-8660612-TP (4 pcs.)

By the installation of non-lubricated hook, the machine is changed to be a fully dry-head machine. (In this case, the maximum sewing speed will be 3,300rpm)



WHEN YOU PLACE ORDERS

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

ACF1721790S□Z

Type	Code	Power supply	Code	Options	Code
Standard	S	3-phase 200~240V	E	Not provided	Z
		Single-phase 200~240V	K		

● To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct
① the technological and technical research, the development and design of the products in which the environmental impact is considered.

② the conservation of the energy and resources, and the recycling, in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc., and in the purchase, distribution and sale of the household commodities including the healthcare products.

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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 catalog is printed on recycle paper.