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Computer-controlled, High-speed, Buttonholing Machine "LBH-1790A Series", which increases productivity and improves seam quality, is launched.



JUKI has launched computer-controlled, high-speed, buttonholing machine "LBH-1790A Series" which reduces sewing cycle time and improves seam quality.

The LBH-1790A Series performs lockstitch buttonholing on a wide range of materials from relatively light-weight materials such as men's shirts and knitted fabric to cushion materials such as child safety seats. It is a cycle machine which automatically performs buttonholing and punches buttonholes once the starting pedal is depressed by the operator.

All drive mechanisms of this model of sewing machine are digitalized, thereby increasing sewing-cycle speed. With respect to the continuous sewing of two buttonholes on dress shirts and polo shirts, etc., using the 120mm size "feeding frame", in particular, the cycle time has been reduced by 9 % as compared with the conventional machine to increase productivity. In addition, the buttonhole boring speed and work clamp pressure can be controlled through the operation panel to enable the operator to control the sewing machine according to the material to be sewn, thereby ensuring more consistent seam quality.

Furthermore, the operation panel for setting the pattern data has been redesigned. Conventionally the "USB port" for inputting/outputting sewing data and the capability of displaying explanations in 14 different languages were available on the optional operation panel. However, the redesigned operation panel is now provided as standard with those features, thereby

improving operability.

JUKI is going to launch the LBH-1790A Series and the lockstitch, button sewing machine (LK-1903B) at the same time. Both models offer the world's highest class sewing speed and improved seam quality and operability. JUKI expects to expand its sales with these two series which are both related to the sewing of buttons.

◆ Features

● Higher productivity.

- The maximum sewing speed is 4,200 sti/min., and the jump speed is 200 mm/s. The cycle time has been further reduced for continuous sewing.

● Excellent workability and operability.

- All drive mechanisms are digitalized. The work clamp pressure can be easily set since it is driven by a digitally-controlled stepping motor. As a result, the work clamp pressure can be controlled to achieve reproducibility on a pattern-by-pattern basis.
- The illuminance of the LED light is adjustable and is located on the underside of the arm jaw. It is provided as standard for all models of the LBH-1790A Series.
- The memory storage capability of the main body of the sewing machine has been dramatically enhanced. Now the USB-ready main body of the sewing machine uses many different kinds of media. The main body of the sewing machine is provided as standard with a USB port. Now, data can be input/output to/from various kinds of media (SD (Secure Digital Card), CF (Compact Flash), etc.) by means of a USB thumb device and a card reader.
- The operator can easily check the shape of the pattern displayed by the new standard liquid crystal panel.
- Cycle sewing is which twenty different programs can be registered, and as many as 30 different patterns can be stored in one program.
- Thanks to the adoption of the stepping motor, the noise produced when boring buttonholes is significantly reduced.

● Energy saving

- An encoder is installed in the pulse motor, thereby achieving substantially improved power-consumption saving. This sewing machine reduces power consumption by 27% as compared with the conventional models.

● Improved maintainability

- Thanks to our advanced dry-head technology, no lubrication is required except for the hook section.
- The newly installed "hook oil quality adjustment screw" can be found by opening the hook lid cover. With this screw, the operator is able to to adjust the oil quantity in the hook with ease.
- Oil can be easily added to the hook oil quantity tank with an oiler. This oil tank is made of shatter proof material, thereby preventing tank-related troubles such as breakage by some mishap.