

October 16, 2017

**Next Generation Sewing Systems capable of a 2-way data transmission are newly launched:
Computer-controlled, high-speed, bartacking sewing system "LK-1900BN Series"
Computer-controlled, high-speed, lockstitch button sewing system "LK-1903BN Series"
Computer-controlled, high-speed, lockstitch buttonholing sewing system "LBH-1790AN Series"**



JUKI is going to launch three new products both in overseas markets; computer-controlled, high-speed, bartacking sewing system "LK-1900BN Series", computer-controlled, high-speed, lockstitch button sewing system "LK-1903BN Series" and computer-controlled, high-speed, lockstitch buttonholing sewing system "LBH-1790AN Series" simultaneously on the 20th of October. All of those three new products facilitates transfer of sewing pattern data by making use of the ICT (Information and communication technology).

The computer-controlled, high-speed, bartacking sewing system "LK-1900BN Series" provides 51 sewing patterns that are different in the shape, size and stitching density of bartacks. The computer-controlled, high-speed, lockstitch button sewing system "LK-1903BN Series" provides 50 sewing patterns that are different in the number of holes in button, and button size and button stitching shape. The computer-controlled, high-speed, lockstitch buttonholing sewing system "LBH-1790AN Series" provides 99 sewing patterns that are different in the shape, size and stitching density of buttonholes. Each sewing system can store those sewing patterns in its operation panel.

These new sewing systems can save the sewing pattern data stored in the operation panel on a tablet and transfer the data to the operation panel of another sewing machine only by bringing the tablet close to it. It is therefore easy to configure settings for sewing machines of the same kind in

a factory, thereby substantially reducing the setup / preparation time

In addition, data on the operation of each sewing machine can be "visualized" real time by graphically displaying on a table, contributing to improving activities through analysis of the visualized data. (By means of JUKI Smart APP)

JUKI has launched the digital sewing system based on a lockstitch machine that makes use of the IoT in August in 2016. The new LK sewing system incorporates the same system. For customers who are engaged in global business, this new system is quite helpful since it further facilitates transmission, sharing and management of data, thereby achieving stabilization of product quality globally. JUKI will be continuously endeavoring to pursue possibility of IoT-utilizing solutions in order to help customers to improve their factories to highly-productive and smart ones.

◆Features

●Management of sewing performance and sewing machine by the utilization of ICT

- Machine is mounted with inbuilt NFC (Near Field Communication) and communication devices capable of a 2-way data transmission.
- Data on sewing machine adjustments made according to the product to be sewn can be transferred to a commercially-available Android tablet in contactless mode. This enables quick check for uniform settings as well as confirmation of conditions of sewing machines in a sewing line, thereby facilitating setup changes.
- The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.
※Android OS Version 6.0 is recommended to use JUKI Smart APP.

●Operator-friendly environment

➤ LED hand light is provided as standard

Light quantity of the LED hand light is adjustable in five steps and can be set to OFF. Operation efficiency is enhanced since the light can be adjusted to allow the operator to carry out work comfortably.

●The bird's nest preventing / shorter thread remaining functions

●The bird's nest preventing(LK-1900BNB Series,LK-1903BNB Series)

- The thread is retained at the beginning of sewing and any excess thread is trimmed during sewing. As a result, the length of thread sewn in the seam is shortened, thereby achieving high-quality sewing performance while preventing thread from tangling in on the wrong side "of the material."

●Shorter thread remaining functions

(LK-1900BNB Series,LK-1903BNB Series,LBH-1790ANB Series)

- The newly developed sewing-end shorter-thread remaining mechanism re-trims the thread remaining on the bartack after the completion of regular thread trimming, thereby eliminating conventionally-required manual thread nipping after sewing. The mechanism, in addition, sucks trimmed thread waste and feeds it to a cloth chip chute bag. As a result, sewing products are kept clean and free from lint.

* Use #60-80 (TEX22-30) polyester spun thread

- Users who are conscious about the finished quality of products manually nip, with scissors, the thread remaining on the material after thread trimming at the end of sewing. Now, the bartacking and Buttonholing machine with the shorter thread remaining functions saves such users the trouble of nipping the thread, thereby preventing the sewing product from being damaged by manual thread-nipping with scissors. The seams on the wrong side of the material are finished softer, contributing to more comfortable feel against the skin.