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The High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine "LZ-2280A Series", which offers improved seam quality for high-quality foundations, is newly launched.



JUKI has launched a high-speed, 1-needle, lockstitch, zigzag stitching machine, the "LZ-2280A Series", which achieves beautiful seams free from stitching failures in September in the overseas market/in October in the Japanese market.

This model of sewing machine has been developed for sewing elastic foundations for ladies wear such as brassieres and girdles.

This model of sewing machine is based on the zigzag stitching machine "LZ-2284N" which has enjoyed a good reputation for its consistent seam quality. Through further improvements in seam quality, the predecessor model has been improved in various aspects to develop the LZ-2280A Series.

Soft seams are required in sewing ladies' foundations, which are usually made of delicate materials such as lace and light-weight materials. In the case of the conventional model, slightly uneven material feed (deviation of needle entry points) and irregular stitches due to the imbalance between the needle thread tension and bobbin thread tension have sometimes occurred during the standard zigzag stitching. Thanks to the improvements in the thread path through which the needle thread is routed and in the material feed mechanism, this latest model is able to eliminate all possible seam failures.

In addition, the LZ-2280A Series is the first "mechanical" zigzag stitching machine which is able to carry out both "3-step zigzag stitching and standard scalloping" alone. Under this series,

several models are available, thereby reducing the investment in sewing machines.

JUKI is intending to expand sales with a fully-changed zigzag stitching machine, the top & bottom coverstitch machine (MF-7500/-7900 Series), which was launched last December for our customers engaged in the sewing of underwear.

◆Features

●Top Class Sewing Performance

■The sewing machine produces soft seams with consistency with a low tension applied to the thread.

- With respect to "double-catching of thread and irregular stitches" which are likely to occur during the standard zigzag stitching, elements which affect sewing have been reviewed to achieve soft seams free from these problems. The LZ-2280A Series is provided with JUKI's market-proven genuine hook and thread take-up lever as in the case of the predecessor model.

●A sewing machine with a pattern changeover function has been newly added to the Series.

■The world's first mechanical sewing machine provided with the pattern changeover function

- The LZ-2287A is the world's first sewing machine with the pattern changeover function which is able to change over the patterns between the 3-step zigzag stitching and standard scalloping. The pattern can be easily changed over by simply using the lever.

●Improved Workability and Operability

■The lift of the presser foot has been increased and the LED has been provided as standard

- Since the lift of the presser foot has been increased and an LED light has been provided, the viewable area around the needle entry point for the operator is broadened. As a result, the operator is able to carry out the sewing of small parts with ease. The illuminance of the LED light can be adjusted near the needle entry point.

* The LED is provided as standard only for direct-drive sewing machines.

●Environmental Consideration

■Direct-drive Motor is installed

- Sewing machines with a thread trimmer and sewing machines with the reverse feed function instead of a thread trimmer are installed with the compact-size servomotor. As a result, the needle's penetrating force into multi-layered sections of material is increased and the responsiveness to a depression of the starting pedal is improved. In addition, energy saving of the sewing machine is also improved to reduce power consumption by 8.6 %.

■Reduction of noise and vibration

- The needle rocking cam mechanism has been totally reviewed to achieve smooth power transmission even during high-speed sewing, thereby reducing the operating noise and vibration.