



JUKI

JUKI CORPORATION

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**Non-Apparel Sewing Machine with highly improved function and performance
Required for sewing Large and Heavy Materials**

**Launching New Semi-Dry Head, Direct-drive, 1-needle, Unison-feed, Lockstitch
Machine with Vertical-axis Large Hook Machine “LU-2810 Series”**



JUKI will release newly developed non-apparel machine “LU-2810 series / Semi-Dry Head, Direct-drive, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook.” with highly improved function and performance for sewing large and heavy materials such as Car seats, Sofas and Luxury bags from December in overseas markets and from January next year in Japan.

This non-apparel machine is a totally reviewed high-grade model for ensuring constant stitches with adequate tightness of thread in heavy materials sewing as well as feeding the materials strongly and smoothly.

The machine also ensures high quality seams suitable for various kinds of heavy weight materials with new “Alternating Vertical Movement Mechanism” to reduce the changes in the balance of alternating movement amount corresponding to the sewing materials, with “Adjustment of the eccentricity of the feed driving cam” contributing to supplying the materials and threads with most suitable feed, and with newly adopted “Lubrication Mechanism” to provide constant lubrication, etc.

The distance from the machine arm to the needle became 31% wider than the current model which contributes to improved workability of large and thick materials.

The sewing machine with a thread trimmer has adopted the industry's first high-torque direct-drive motor which enables quick and accurate response after stepping on the switch-pedal to make the sewing in difficult processes or of difficult-to-sew materials easier. Furthermore, the machine has increased penetration into the materials required when sewing multi-layered parts as well as reduced machine noise.

This non-apparel machine adopts the "Semi-Dry" technology that has been used only in the apparel machines, thereby brings no risk of oil stains on the sewing materials and creates clean and comfortable working environment.

We will increase our sales by this front-line model with highly improved function and performance for large and thick material sewing.

◆Features

●Stable Sewing Quality

- Thanks to the improved "Walking-foot/Presser-foot Alternating Vertical Movement Mechanism" and newly adopted "Adjustment of the eccentricity of the feed driving cam", the machine has good responsiveness to the sewing of multi-layered parts, strong and smooth feed of heavy weight materials and ensures constant seams with adequate thread tightness.

●High-torque direct-drive motor is installed.

- The sewing machine provided with a thread trimmer has adopted the industry's first high-torque direct-drive motor which is suitable for sewing heavy-weight materials.
- The machine is excellent of its responsiveness and ensures increased penetration into the material even when sewing multi-layered parts.

●Higher lift of the presser bar

- Lift of the presser bar became 20mm higher than the current model.
- Processes such as joining leather to thick sponges, which are required for producing luxurious sofas, can be carried out with ease.

●Walking-foot/Presser-foot alternating vertical movement mechanism

- Good responsiveness to changes in thickness of various materials thanks to the adoption of the feed mechanism which keeps the ratio between the amount of the vertical movement of the walking foot and that of the presser foot constant.
- The maximum amount of the alternating vertical movement is 9 mm and it is easily adjustable by the large dial installed on the upper section of the sewing machine.

●Multi-functional 6-string switch (thread trimming switch)

- In addition to the one-touch type reverse feed switch, a multi-functional 6-string switch is also provided.

●Stitch length can be changed over among different lengths.

- The sewing machine with a thread trimmer is provided as standard with a 2-pitch dial. One unit of this sewing machine is able to sew different sewing lengths since the sewing length can be instantaneously changed over.

● **Eccentricity of the feed driving cam is adjustable.**

- Adjustment of the eccentricity of the feed driving cam has been enabled. As a result, the sewing machine is able to perform sewing with the feed that is best-suited to the sewing materials and threads.