

December 8, 2014

Shorter-thread remaining and long-pitch type models of the semi-dry direct-drive, unison-feed, lockstitch machine with a vertical-axis large hook and thread trimmer "LU-2800 Series" are being launched.



JUKI is launching three new shorter-thread remaining and long-pitch type models (1-needle and 2-needle models) in December, 2014, which are added to JUKI's flagship sewing machines for non-apparel products, the "LU-2800 Series".

The "shorter-thread remaining type" is provided with the capability of cutting the thread remaining on the wrong side of material as short as possible at the end of sewing. The conventional models leave approximately 15 mm of thread on the wrong side of the material at the end of sewing. The new models are provided with a totally redesigned thread trimming mechanism to shorten the length of thread remaining on the wrong side of the material to 5 mm. This is the industry's shortest remaining thread length among sewing machines for non-apparel products. The shorter-thread remaining function eliminates manual thread nipping work, thereby contributing to dramatically increased productivity.

The thread clamping function draws the thread remaining at the beginning of sewing to the wrong side of the material. Therefore, no remaining thread appears on the right side of the material.

The "long pitch type" is provided with the capability of setting the stitch length as long as 12 mm. This type is best-suited to the sewing of topstitches on furniture such as sofas.

The standard model of the LU-2800 Series is provided with a double-capacity hook. On the other hand, the new models are provided with a 2.7-fold capacity hook. Thick thread is used for sewing non-apparel products, and with this large hook, the amount of thick thread wound on a bobbin can be increased. This means that the frequency of bobbin thread changing can be reduced, thereby contributing to improved workability.

This model inherits the market-proven features and performance of the LU-2810 sewing machines, which are suitable for the sewing of large and heavy-weight materials, including the industry's longest distance from machine arm to needle, increased efficiency of feed and higher lift of the presser foot. JUKI expects to expand its sales with this flagship model "LU-2800 Series" for non-apparel products which is now added to the shorter-thread remaining and long pitch type models.

◆ Features

● Higher productivity.

- A maximum sewing speed of 3,000 sti/min (2,700 sti/min for 2-needle models) is achieved. The sewing machine has adopted a high-torque direct-drive motor which supports the sewing of heavy-weight materials. As a result, the sewing machine promises not only improved responsiveness and quick startup, but also higher stop accuracy. In addition, the material penetrating force of the needle is increased to ensure high-quality sewing of multi-layered materials.

● Seam quality and workability

- The sewing machine has adopted JUKI's largest 2.7-fold capacity hook. Since the sewing machine is provided with a 2.7-fold capacity hook, the frequency of bobbin changing is reduced to improve workability. In addition, the contact depth of the needle guard can be easily adjusted with the screw. This helps prevent stitch skipping and wear of the blade tip of the hook.
- Long pitch type (LU-2818AL-7/-2868AL-7)
A long pitch stitching capability is one of the most important capabilities for sewing furniture such as sofas. This long pitch type model (12-mm pitch at the maximum) is best-suited to the sewing of topstitches. In addition, a longer distance from machine arm to needle helps further increase efficiency of operation.
- Shorter-thread remaining type (LU-2828A-7)
Both the thread clamp device which operates at the beginning of sewing and the shorter-thread remaining function which works at the end of sewing help relieve the operator of manual thread nipping.
The thread clamp device draws the needle thread to the wrong side of the material at the beginning sewing, thereby helping produce neatly finished seams. The thread trimming mechanism has been totally redesigned to perform thread trimming (condensation stitching) at the last stitch of a seam by moving the counter knife position closer to the needle, thereby shortening the thread remaining on the material to the industry's shortest length of 5 mm. As a result, the operator is relieved of manual thread nipping work after sewing. With the shorter-thread remaining function, not only the right side but also the wrong side of the material can be finished to provide a high-quality appearance.

● Energy saving

- Thanks to the adoption of a new control box and highly-responsive direct-drive motor, the

sewing machine achieves energy savings of approximately 37 %.