LU-2828NV-7

Semi-dry Direct-drive, Unison-feed, Lockstitch Sewing System with automatic thread trimmer

JUKI

DIGITALLY Smart Solution

MJ FOLEY COMPANY

LU-2828NV-7

Management of sewing performance and sewing machine by the utilization of IoT. Management, browsing and editing of data can be carried out on the application software.

Digitalization adjustment made possible for core specifications such as thread tension, pitch length, sewing speed, presser foot pressure and alternating vertical movement. Crucial adjustment work are now made simple without excessive experience and skills while reinforcing high quality reproductions. 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 feature allows sewing machines in a sewing line to be uniformly set, thereby contributing to stabilization in product quality.
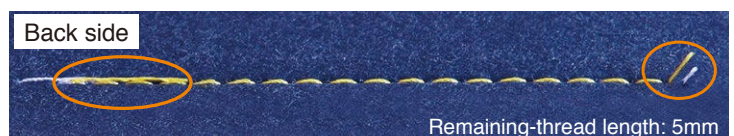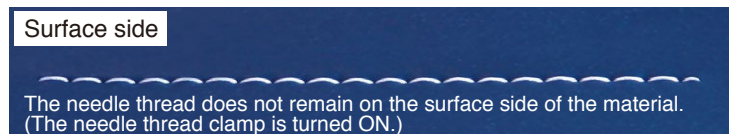
*Android OS Version 6.0 is recommended to use JUKI Smart APP. (Operation is confirmed with respect to Versions 5.0 and later.) Contact JUKI distributor in your area for how to use the application software.

Sewing conditions can be set easy by a 4.3 inch colored touch panel. (USB ports is standard)

N The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

Beautiful finished seams by shorter-thread remaining type

The shorter-thread remaining type LU-2828NV-7 is a high-performance sewing machine. It leaves a shorter thread on the material at the beginning of sewing by means of the needle thread clamp device, as well as at the end of sewing by means of the thread trimmer which is provided with a shorter-thread remaining function. This means that manual thread nipping both at the beginning and at the end of sewing is no longer required, thereby helping reduce operator fatigue. Thanks to the adoption of a 2.7- fold hook, the frequency of bobbin thread changing is reduced and workability is improved.

The material at the beginning of sewung → The material at the end of sewing

Surface side

The needle thread does not remain on the surface side of the material. (The needle thread clamp is turned ON.)

Back side

Remaining-thread length: 5mm

LU-2828NV-7 can produce the effect of shorter-thread remaining by making condensed stitch.

Active presser foot pressure mechanism

Presser foot pressure can be controlled, managed and set (numerical) digitally. Automatic detection or manual hand switch control can be selected to allow adjustments of presser foot pressure in response to a multi-layered section of material.

Manual unit controls different operations

A "One-touch" hand unit allows manual control over crucial settings during the sewing operation.

- **Multi-functional 6-string switch**
A switch which allows a "One-touch" switchover of pattern and functions. In addition to the one-touch changeover switch to which any desired operation can be assigned, automatic reverse feed switchover switch and the needle entry alignment switch are also available.
- **Jog dial**
Pulley rotates in correspondence to the dial. Lifting and dropping of the needle bar can be done without reaching out to the hand wheel. In addition, the dial works as the needle "UP/DOWN" correction switch when it is pushed.
- **Touch back switch**
When pushed, sewing direction becomes reversed (reversed stitch). When released, sewing direction returns to the normal feed.

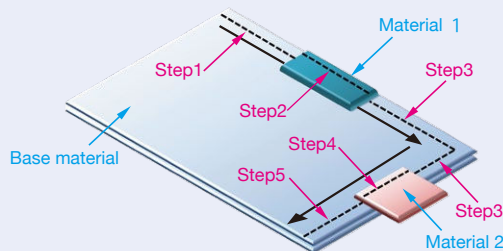## Needle-thread active tension

Upper thread tension can be set via the panel based on sewing material to be used. Settings can be saved and loaded, ensuring reproducibility. Ensuring stability in product qualities and usage simplicity even when operated by inexperienced personnel.

High-torque direct-drive motor is installed

The direct-drive motor system has been adopted by all of the sewing system with a thread trimmer. As a result, the sewing machine starts up swiftly and promises increased stop accuracy, thereby demonstrating improved responsiveness.

Convenient continuous sewing function

Functions such as automatic switchover of pre-registered patterns in a cycle operation (Cycle pattern, Polygonal-shape stitching) or Custom pitch composing for continuous sets of different pitch length are available for user convenience.

Usage example for polygonal-shape stitching function
Sewing patterns can be switchover in response to a preset stitch count, or via hand switch and multi-layered section detection function.
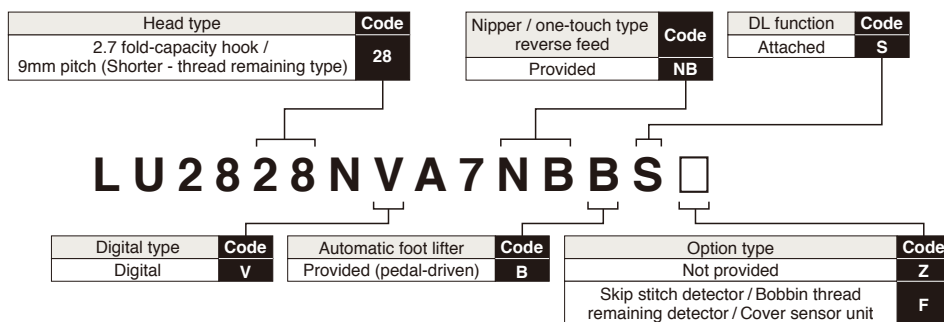
SPECIFICATIONS

Model name	LU-2828NV-7
Type	1-needle with automatic thread trimmer (Shorter - thread remaining type)
Max. sewing speed	3,500sti/min*
Max. stitch length (P)	9.0mm
Presser foot	20mm
Alternating vertical movement (DL)	9.0mm
Needle thread tension	0〜200
Presser foot pressure	0〜200
Hook	Vertical axis 2.7 fold-capacity hook
Needle	134×35 Nm140 (#22), Nm125〜180 (#20〜#24)
Thread	60/3 〜 20/3 (#30〜#5)
Machine head weight	66Kg

*sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS Machine head

Please note when placing orders, that the model name should be written as follows:

Head type	Code
2.7 fold-capacity hook / 9mm pitch (Shorter - thread remaining type)	28

Nipper / one-touch type reverse feed	Code
Provided	NB

DL function	Code
Attached	S

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Digital type	Code
Digital	V

Automatic foot lifter	Code
Provided (pedal-driven)	B

Option type	Code
Not provided	Z
Skip stitch detector / Bobbin thread remaining detector / Cover sensor unit	F

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※ Specifications and appearance are subject to change without prior notice for improvement.
※ Read the instruction manual before putting the machine into service to ensure safety.
※ This catalogue prints with environment-friendly soyink on recycle paper.
※ Paper from responsible sources FSC™ C001712

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