

# LU-2810ESAL-7 Series

Semi-dry Direct-drive, High-speed, 1-needle, Unison-feed, Lockstitch Machine with automatic thread trimmer (long-pitch type)

# JUKI



# LU-2828ESA-7

Semi-dry Direct-drive, High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis 2.7 Fold-Capacity Hook with automatic thread trimmer (shorter-thread remaining type)

## Maximum sewing speed is increased

This sewing machine is best-suited to the sewing of multi-layered materials and rigid materials for car seats, air bags and furniture.



### Maximum sewing speed is increased

Increased maximum sewing speed of 3,800 sti/min\* (LU-2810ESAL-7, 2.0 fold-capacity hook) and 3,500 sti/min\* (LU-2818ESAL-7 and LU-2828ESA-7, 2.7-fold-capacity hook) is achieved.

These models of sewing machines demonstrate increased productivity particularly when sewing long materials.

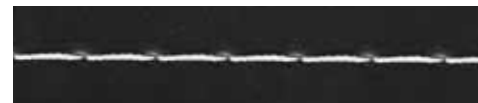
\*The maximum sewing speed varies depending on sewing conditions.

### Long-pitch type

(LU-2810ESAL-7 (2.0 Fold-Capacity Hook)  
LU-2818ESAL-7 (2.7 Fold-Capacity Hook))

Long pitch sewing is suitable for decoration sewing of furniture etc. The maximum stitch length is 12mm at the pitch dial.

\*Long-pitch Max.stitch length:12mm,  
LU-2810ESAL-7 Max.thick thread: #0



\*standard-pitch Max.stitch length:9mm,  
LU-2810-7 Max.thick thread: #5



### Needle thread roll-in and shorter - thread remaining type (LU-2828ESA-7 (2.7 Fold-Capacity Hook))

The shorter-thread remaining type LU-2828ESA-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.

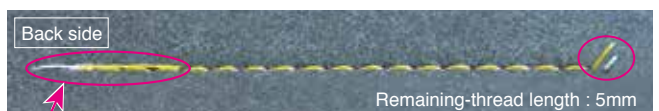
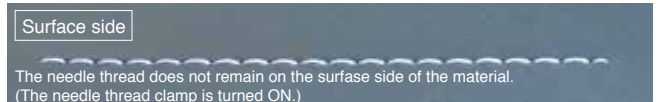
### Beautiful finished seams

#### The shorter-thread trimming mechanism (needle thread roll-in and shorter-thread remaining type)

The thread trimming mechanism has been completely renewed. The industry's shortest remaining thread length achieved by trimming the thread close to the fixed knife at the last stitch (condensed stitch). (The length of remaining needle thread is 5mm)



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



\*LU-2828ESA-7 can produce the effect of shorter-thread remaining by making condensed stitch



Needle thread clamping device

## SPECIFICATIONS

| Model name                                     | LU-2810ESAL-7  | LU-2818ESAL-7  | LU-2828ESA-7   |
|--|--|--|--|
| Type   | High-speed, 1-needle, with automatic thread trimmer (2.0 Fold-Capacity Hook / long-pitch type) | High-speed, 1-needle, with automatic thread trimmer (2.7 Fold-Capacity Hook / long-pitch type) | High-speed, 1-needle, with automatic thread trimmer (2.7 Fold-Capacity Hook / shorter - thread remaining type) |
| Max. sewing speed                              | 3,800sti/min   | 3,500sti/min   |  |
| Max. stitch length                             | 12mm   |  | 9mm  |
| Stitch length dial                             | 2 pitch dial   |  |  |
| Presser foot                                   | Auto: 20mm, By hand: 10mm  |  |  |
| Auto lifter                                    | Provide as standard  |  |  |
| Alternating vertical movement                  | 1~9mm  |  |  |
| Alternating vertical movement adjusting method | Large dial   |  |  |
| DL device                                      | Provide as standard  |  |  |
| Needle thread tension                          | Single/Double-tension  |  |  |
| Bottom-feed micro-adjustment mechanism         | Provided as standard   |  |  |
| Hook   | Vertical axis 2.0 fold-capacity hook   | Vertical axis 2.7 fold-capacity hook   |  |
| Needle   | 135x17 Nm160 (Nm125~Nm200)   |  |  |
| Thread   | #30~#0, Nm=60/3~9/3  |  |  |
| Lubrication                                    | Semi-dry head automatic (Tank system)  |  |  |
| One-touch type reverse feed switch             | Provide as standard  |  |  |
| Hand switch                                    | Multi-functional 6-string switch   |  |  |
| Safety mechanism                               | Provided as standard (reset with the push of a button)   |  |  |
| Machine head weight                            | 66kg   |  |  |
| Control box                                    | SC-923   |  |  |

\* "sti/min" stands for "Stitches per Minute."

## WHEN YOU PLACE ORDERS

### Machine head [1-needle type]

| Speed type | Code | Control Box | Code | Automatic foot lifter   | Code | Alternating vertical dial | Code |
|------------|------|-------------|------|-------------------------|------|---------------------------|------|
| High-Speed | ES   | SC-923      | 7    | Provided (pedal-driven) | B    | Provided                  | S    |

LU28□□ES□□70BBS

| Head type  | Code | Gauge type                     | Code | Wiper and one-touch type reverse feed |                             |
|--|------|--------------------------------|------|---------------------------------------|-----------------------------|
| 2.0 fold-capacity hook                                   | 10   | Gauge for europe               | A    | Wiper                                 | One-touch type reverse feed |
| 2.7 fold-capacity hook                                   | 18   | Gauge for europe / along-pitch | AL   | Not provided                          | Provided                    |
| 2.7 fold-capacity hook / shorter - thread remaining type | 28   |                                |      | Code                                  |                             |
|  |      |                                |      | 0B                                    |                             |

※Code "A" is only LU-2828  
Code "AL" is only LU-2810 & LU-2818

Control box SC923B□

| Power supply                               | Code |
|--|------|
| Single-phase 100~120V                      | S    |
| 3-phase 200~240V                           | D    |
| Single-phase 200~240V (for general export) | K    |
| Single-phase 200~240V (for ce)             | N    |
| Single-phase 200~240V (for china)          | U    |

Operation panel CP18C  
CP180C



### JUKI ECO PRODUCTS

LU2810 ESAL-7 Series is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.



- The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: [http://www.juki.co.jp/eco\\_e/index.html](http://www.juki.co.jp/eco_e/index.html)

\*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.



Registered Organization : JUKI CORPORATION Head Office  
The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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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.