

## DDL-7000A

Piqueuse, Ultra rapide, 1 aiguille, Point noué, Direct-Drive, Coupe fil automatique



- Moteur Direct-Drive.
- La boîte de contrôle et le panel sont inclus dans la tête.

### Servomoteur à économie d'énergie.

Le servomoteur à économie d'énergie et à haut rendement est installé en entraînement direct (Direct-Drive) pour transmettre la puissance sans perte à la machine à coudre, ce qui permet une meilleure réactivité, un démarrage plus rapide et une force de pénétration accrue de l'aiguille.

### Boîte de contrôle et panel.

Intégrés dans la tête de la machine.



panel

Le panneau de commande est équipé d'un boîtier facile à utiliser avec de nombreuses fonctions.



port USB

Le port USB est situé sous le panneau de commande.

### Possibilité de coudre tout types de matières.

Releveur de fil permettant une plus grande plage de couture.

La course de la barre à aiguille est de 35 mm. Grâce à cette caractéristique, la machine à coudre est capable de coudre de nombreux types de matières, allant du denim léger au denim de poids moyen.

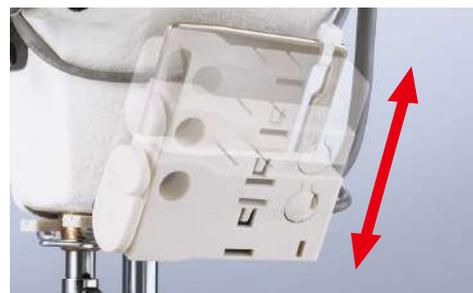
## Eclairage LED.

L'éclairage LED projette son faisceau de lumière exactement vers le bas pour éclairer la zone de pénétration de l'aiguille ainsi que les côtés droit et gauche de la barre à aiguille, les travaux de couture peuvent donc être effectués plus confortablement que si la lumière venait que d'une seule direction. En outre, l'intensité lumineuse des LED peut être modulée.



## Interrupteur tactile très fonctionnel.

La machine, qui est équipée d'un coupe-fil, est également fournie en standard avec la fameuse fonction de prévention de casse d'aiguille. La hauteur de l'interrupteur est réglable en fonction des articles à coudre.



### OPTION

#### KIT pour long point (7mm pour version H) : 402-34068

Vitesse maxi.: 3,500 pts/min

## CARACTERISTIQUES

| Modèle                         | DDL-7000AS-7                              | DDL-7000AH-7      |
|--------------------------------|---|-------------------|
| Application                    | matière légère ou moyenne                 | matière lourde    |
| Vitesse max.                   | 5,000 pts/min*                            | 4,000 pts/min*    |
| Longueur point max.            | 5mm                                       |                   |
| Hauteur relevage pied          | Manuel: 5.5mm / Genouillère: 13mm         |                   |
| Huile                          | JUKI Machine Oil 7 (équivalent à ISO VG7) |                   |
| Aiguille                       | 16X231 (#14) #14~#18                      | 134 (#21) #20~#23 |
| Consommation                   | 210VA                                     |                   |
| Poids                          | 34kg (moteur et boîte de contrôle inclus) |                   |
| Dimensions (emballage compris) | 833 x 278 x 459mm                         |                   |

\*"pts/min" = "Points par minute"

## COMMANDE

En cas de commande libellez votre référence de machine en utilisant les codes ci-dessous:

**DDL7000A**  **7**

| Application   | Code     |
|---------------|----------|
| Léger - Moyen | <b>S</b> |
| Lourd         | <b>H</b> |

| Racleur et Marche arrière |                | Code      |
|---------------------------|----------------|-----------|
| Racleur                   | Marche arrière |           |
| Non inclus                | Inclus         | <b>0B</b> |
| Inclus                    | Inclus         | <b>NB</b> |

| Voltage             | Code     |
|---------------------|----------|
| Monophasé 220V (CE) | <b>N</b> |

### JUKI ECO PRODUCTS

The DDL-7000A 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: <https://www.juki.co.jp/en/company/eco>

\*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.

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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

## Série DDL-8000C

Machine Direct Drive, grande vitesse, 1 aiguille, point noué avec coupe-fil automatique (système de contrôle de la longueur d'alimentation)

**Machine point noué à grande vitesse avec système de contrôle électrique de la longueur d'alimentation (EFLeCS)**



Machine à entraînement direct, grande vitesse, 1 aiguille, point noué avec coupe-fil automatique (système de contrôle de la longueur d'alimentation électrique < EFLeCS >)

# DDL-8000C

### Options

- Kit presseur : 40299038
- Kit de joint de presseur : 40299044

La barre presseur, dotée d'un nouveau mécanisme, permet de remplacer facilement le pied presseur. En ajoutant le kit d'articulation, le nombre de pieds presseurs applicables peut être augmenté.



Kit de joint de presseur      Kit presseur

Nouveau

- Kit long pitch (griffe 4 rangées) : 40298198 (DDL8000CSM/DDL8000CSC), 40298200 (DDL8000CSH)
- Kit long pitch (griffe 3 rangées) : 40298199 (DDL8000CSM/DDL8000CSC), 40298201 (DDL8000CSH) La longueur de point maximale peut être modifiée à 7mm en remplaçant la griffe d'entraînement et la plaque aiguille.

- Kit de détection de section multicouche : 40299026

En installant ce kit, il devient possible de changer automatiquement de couture. (longueur de point/vitesse de couture maximale) lorsque l'on arrive sur une section de tissu.



- Crochet non lubrifié : 22890206
- Crochet non lubrifié : 22890404 (avec le garde aiguille)

Les taches d'huile sur les articles de couture peuvent être totalement évitées en utilisant le crochet sec en plastique. Vitesse de couture maximale : 4 000 pts/min



Pour utiliser le crochet non lubrifié, les deux pièces suivantes sont nécessaires:

- Vis d'obturation de l'arbre d'entraînement du crochet : 11079506
- Joint torique : R0036080200

- Canette non rotative
  - Crochet : 27003557
  - Boîtier de canette : 27003755
  - Canette : 27003805

La canette non rotative permet d'éviter les points irréguliers dus à une certaine vitesse de couture et la variation de la tension du fil de canette due à un changement de la quantité de fil restant dans la canette. Comme la canette fournit le fil de canette sans tourner, la canette ne tourne pas à vide.



Crochet      Boîtier de canette      Canette

\* Le crochet, la canette et la boîte à canette sont tous des articles spécialement conçus pour la canette non rotative.

### CARACTÉRISTIQUES TECHNIQUES

| Nom du modèle                 | DDL8000CSM  | DDL8000CSH      |
|-------------------------------|---|-----------------|
| Application                   | pour le moyen   | pour le lourd   |
| Lubrification                 | Système de protection de l'huile                      |                 |
| Vitesse de couture maximale   | 5 000 pts/min*1                                       | 4 000 pts/min*1 |
| Longueur de point max.        | 5mm (7mm*2)   |                 |
| Course de la barre d'aiguille | 30,7 mm   | 36 mm           |
| Levée du pied presseur        | Automatique : 9mm / Levier : 13mm                     |                 |
| Aiguille                      | 1738 #14  | 134 #21         |
| Huile de lubrification        | JUKI CORPORATION GENUINE OIL 7 (équivalent à ISO VG7) |                 |
| Puissance requise             | 220V-240V mono  |                 |
| Poids de la tête de machine   | 42,0 kg (moteur, boîtier de contrôle et panel)        |                 |

\*1 pts/min est l'abréviation de "points par minute".

\*2 Lorsque le kit optionnel de point long est installé, la longueur de point maximale est de 7 mm en normal et en marche arrière, la vitesse de couture maximale est de 3 500 pts/min.

### LORSQUE VOUS PASSEZ VOTRE COMMANDE

Lors de la commande, veuillez noter que le nom du modèle doit être écrit comme suit :

Tête de machine-Boîte de contrôle

DDL-8000CS   NB

| Numérique | Code | Application   | Code | Pince fil et dispositif de marche arrière | Code | Tension                      | Code |
|-----------|------|---------------|------|---|------|------------------------------|------|
| Standard  | S    | pour le moyen | M    | Inclus                                    | NB   | Monophasé 220-240V           | K    |
|           |      | pour le lourd | H    |   |      | Monophasé 220-240V (pour CE) | N    |

**JUKI ECO PRODUCTS** Le DDL-8000C est un produit écologique conforme aux normes JUKI ECO PRODUCTS pour la protection de l'environnement.

● La machine à coudre est conforme aux "Juki Group Green Procurement Guidelines" concernant l'utilisation de substances dangereuses, qui sont plus strictes que d'autres restrictions, telles que celles de la directive RoHS.

● Pour plus d'informations sur les produits JUKI ECO, voir : <https://www.juki.co.jp/en/company/eco>

\* La directive RoHS est une directive européenne limitant l'utilisation de six substances dangereuses (plomb, chrome hexavalent, mercure, cadmium, PBB et PBDE) dans les équipements électriques et électroniques.

\* La ligne directrice Juki Green Procurement est le critère volontairement établi pour éliminer non seulement les six substances susmentionnées, mais aussi d'autres substances qui ont également un effet négatif sur l'environnement.

Organisation enregistrée : JUKI CORPORATION Le siège social L'étendue de l'enregistrement.

Les activités de recherche, de développement, de conception, de vente, de distribution et d'entretien de machines à coudre industrielles, de machines à coudre domestiques et de robots industriels, etc., y compris les services de vente et d'entretien de systèmes de saisie de données.

JAB MS CM001      JSA EMS ISO14001 JSAE3BP

## Doté d'une nouvelle fonction Système de contrôle de la longueur de l'alimentation électrique (EFLeCS).

Cette machine est une machine à point noué à entraînement direct et à bras long, dotée d'un coupe-fil et d'une boîte de contrôle intégré.



305 mm

## Mécanisme de coupe fils plus courts

La longueur de fil restant sur le tissu à la fin de la couture est de 3,5 mm.

La machine adopte un mécanisme de coupe-fil rotatif à double lame. En coupant le fil juste sous l'aiguille et en utilisant la couture condensée à pas numérique, ce système de coupe-fil ne laisse pas plus de 3,5 mm de fil résiduel sur le tissu à la fin de la couture.

De belles coutures finies



La DDL-8000C peut produire l'effet d'un fil plus court en réalisant un point condensé.



Face supérieure du couteau coupe-fil



Face inférieure du couteau coupe-fil

## EFLeCS avec diverses fonctions

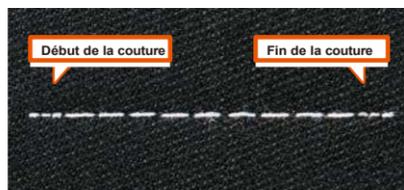
### Système de contrôle de la longueur de l'alimentation électrique (EFLeCS) avec un pas numérique

Le moteur pas à pas utilisé pour contrôler le mécanisme d'alimentation permet de régler le pas d'alimentation à l'aide de l'écran tactile LCD couleur. L'affichage à haute clarté de l'écran tactile offre une excellente visibilité pour améliorer et faciliter le travail. Il est possible d'inverser la longueur d'entraînement et de réaliser des points condensés. La machine est également capable de coudre des points variés.



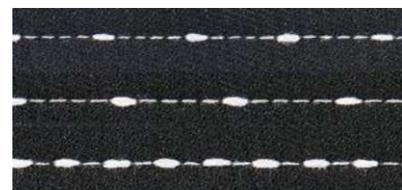
Écran tactile LCD couleur

### Point condensé



Le point condensé peut être réglé à partir du panel pour ajuster la longueur du point à la fin d'une couture afin d'éviter que la couture ne s'effiloche.

### Points variés



Le mécanisme d'entraînement de l'aiguille numérisé permet de coudre facilement de nombreux motifs de couture différents.

## Fonction de réglage de l'alimentation

La longueur de point peut être contrôlée de manière judicieuse grâce au levier d'inversion de marche. Mais aussi il y a possibilité de réglage de la longueur du point aussi par genouillère. Cette fonction permet de régler la longueur du point sans utiliser les mains, ce qui facilite les opérations difficiles qui nécessitent l'utilisation des deux mains.



## Boîte de contrôle & Port USB

La boîte de contrôle est intégrée à la tête de couture ce qui facilite le réglage de la machine, et est aussi équipée d'un port USB pour la recharge.

## Touche d'accès rapide à certaines fonctions

La longueur de point et la vitesse de couture maximale peuvent être modifiées par une simple pression sur commutateur manuel.



### Option Kit de détection de sections multicouches : 40299026

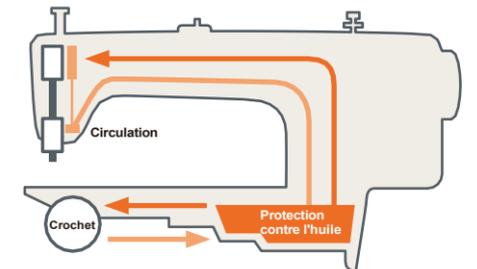
En attachant ce kit, il devient possible de changer automatiquement les paramètres de couture (longueur de point/vitesse de couture maximale) lorsqu'on travail un tissu multicouche.



Port USB

## Système de protection de l'huile

Afin d'éviter les taches d'huile sur les produits de couture, cette machine à coudre a adopté le "Oil Shielding System" (système de protection contre l'huile) qui est intégré dans le corps de la machine à coudre. La barre à aiguille est lubrifiée avec une plus petite quantité d'huile que dans le modèle conventionnel. En outre, l'huile qui éclabousse l'extérieur est confinée par le mécanisme de récupération d'huile, et le système de circulation automatique de l'huile. Cette structure contribue à l'obtention d'une vitesse de couture maximale de 5 000 pts/min et à l'augmentation de la productivité.



## Élimination des taches d'huile sur les articles de couture

L'huile est stockée dans le réservoir d'huile en aluminium moulé sous pression très rigide qui est intégré dans la tête de la machine et fournit des performances de refroidissement accrues. Le bac à huile a des performances d'étanchéité accrues par rapport à un réservoir d'huile en plastique et empêche efficacement les fuites d'huile et la rupture du réservoir.



Bac à huile en aluminium moulé sous pression

Niveau d'huile

## Divers équipements de série

### Entraînement par moteur pas à pas pour le coupe-fil et l'auto-lifter

Le mécanisme d'entraînement du coupe-fil et du releveur de presseur utilise un seul moteur pas à pas. Ce mécanisme réduit considérablement le bruit de fonctionnement, en particulier pour le coupe-fil.



### Dispositif de pince-fil

Ce dispositif tire le fil de l'aiguille sur l'envers du tissu au début de la couture, ce qui permet d'obtenir des coutures plus joliment finies.



### Relevage auto et genouillère

Le système de relevage automatique du pied presseur est proposé est inclus. Une genouillère très demandée est également fournie de série pour améliorer encore la facilité de travail.



### Interrupteurs à main

Deux interrupteurs manuels personnalisables sont fournis en standard. Les fonctions des boutons assignables comprennent le point arrière, aiguille en haut/en bas, couture à un point, le point condensé, etc.

### Lumière LED

L'éclairage LED projette la lumière exactement vers le bas pour éclairer la zone de pénétration de l'aiguille et en éclairant les côtés droit et gauche de la barre à aiguille, les travaux de couture peuvent être effectués plus facilement qu'en utilisant une lumière provenant d'une seule direction. En outre, l'intensité lumineuse des lampes LED peut être réglée en trois étapes et peut être utilisée comme lumière auxiliaire pour le travail.



# DDL-9000CF Series Premium Digital DDL-9000CS Series Digital

Direct-drive, high-speed, lockstitch sewing system  
with automatic thread trimmer

**World first!**  
**“Double digital feed mechanism” installed**



DDL-9000CF

|   |  |
|---|--|
| JUKI ECO PRODUCTS   | The DDL-9000CF Series and DDL-9000CS Series are eco-friendly products which complies with JUKI ECO PRODUCTS standards for protecting the environment.  |
|  | <ul style="list-style-type: none"> <li>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.</li> </ul> <p>For details of JUKI ECO PRODUCTS, refer to: <a href="https://www.juki.co.jp/en/company/eco">https://www.juki.co.jp/en/company/eco</a></p> <p><small>*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.<br/>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.</small></p> |

|  |   |
|--|---|
|   |  |
| <p>Registered Organization: JUKI CORPORATION Head Office<br/>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.</p> |   |

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\* Paper from responsible sources FSC™ C001712

Direct-drive, high-speed, lockstitch sewing system with automatic thread trimmer

# DDL-9000CF Series Premium Digital DDL-9000CS Series Digital

# Creation of "sewing"



Direct-drive, high-speed, lockstitch sewing system with automatic thread trimmer

**DDL-9000CF Series** Premium Digital

**DDL-9000CS Series** Digital

A state-of-the-art sewing system that revolutionizes the perfection for "sewing". Succeeding the traditionally required experience and instincts, digitalized setting capability in JUKI's all new DDL-9000C digital sewing system presents the best sewing conditions everywhere and anywhere.



The promotional video is available by reading the QR code.

## "Double digital feed mechanism" installed

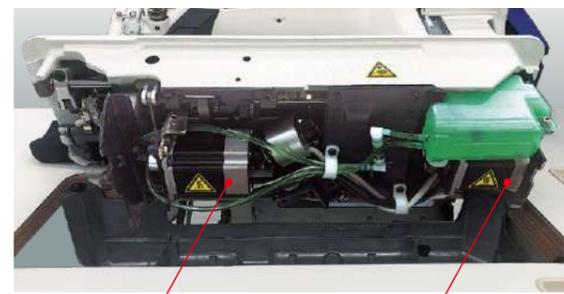
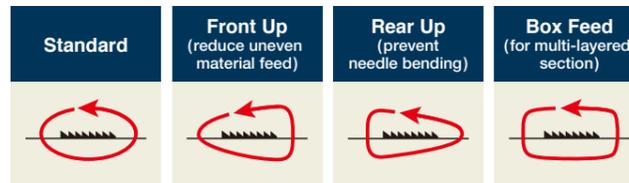
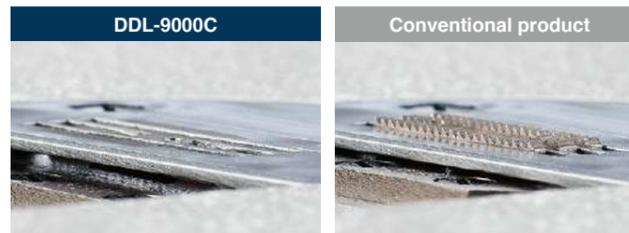
World first

Premium Digital Digital

### Vertically- and horizontally-driven digital feed mechanism

Thanks to the world's first vertically- and horizontally-driven digital feed mechanism, the feed dog height can be adjusted with ease according to the material fabric of product to be sewn, thereby improving seam quality.

Thanks to this digital feed mechanism, thread trimming is carried out with the feed dog lowered in the case the shorter-thread remaining thread trimming function is enabled. As a result, the clearance provided between the throat plate and the material is eliminated, thereby stabilizing the length of thread remaining after thread trimming. The feed dog does not protrude the top surface of throat plate when the sewing machine stops with its needle bar up, thereby facilitating placement/removal of the material on/from the top surface of throat plate and preventing the material from being damaged by the feed dog.



Motor for vertically-driven digital feed mechanism

Motor for horizontally-driven digital feed mechanism

### Various kinds of feed locus can be selected

Digitalized vertically- and horizontally-driven feed mechanism allows easy adjustment of settings such as the feed locus only on the operation panel according to the material to be sewn.

## Digitalized control panel

Two different modes; i.e., the operator mode which prioritize ease of operation and the serviceperson mode, are prepared to respectively display indications according to the user. In addition, installation of NFC enables data transfer to an Android tablet. Data transferred from the sewing machine to an Android tablet can be edited on the tablet.

### Premium Digital

Adoption of a 4.3-inch large color liquid crystal touch panel ensures easy operation. The touch panel is provided with JUKI's unique intelligent sewing system features.



### Digital

Adoption of a black-and-white liquid crystal switch panel ensures easy operation. Since, unlike the CP panel, the black-and-white liquid crystal panel provides verbal explanation of its operation, it is easier for the operator to understand how to operate it.



| Main functions of the Premium Digital and Digital |                 |                                       |
|---|-----------------|---------------------------------------|
|   | Premium Digital | Digital                               |
| Digital feed (Horizontal direction)               | ○               | ○                                     |
| Digital feed (Vertical direction)                 | ○               | ○                                     |
| Active presser foot                               | ○               | ×                                     |
| Active tension                                    | ○               | ×                                     |
| Support to an Android tablet                      | ○               | ○                                     |
| Network   | ○               | △ (Support through an Android tablet) |
| Shorter-thread remaining type thread trimming     | ○               | ○                                     |
| Color touch panel                                 | ○               | ×                                     |

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

## Management of sewing performance and sewing machine by the utilization of IoT (Internet of Things)

Premium Digital Digital

### Management, browsing and editing of data can be carried out on the application software

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 enables quick check for uniform settings as well as confirmation of conditions of sewing machines in a sewing line, thereby facilitating setup changes. The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.

Data items of sewing can be numerically managed to ensure "stable quality" and "reduction in time required for setup changes". Quantified sewing data can be externally taken from the sewing machine using an Android tablet or USB thumb drive.

### JUKI Smart APP allows you to send and confirm various data

In the application, there are items of management setting (terminal registration), sewing machine data (sewing data), problem-solution chart. In the problem-solution chart, we can generate production graphs, the availability chart, etc. for each acquired sewing machine data so it can be used for checking the current situation and analyzing it.

※ 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.



## Digital functions which accentuate excellent “seam” quality

### I. Adoption of the needle-thread active tension Needle tension is digitally controlled **Premium Digital**

Needle thread tension which matches sewing conditions given can be set on the operation panel and stored in memory.

The needle thread tension adjustment needs experience. However, for this sewing machine, thread tension data stored in memory is reproducible, thereby reducing the setup time when the product to be sewn is changed.

**Example: Needle-thread active tension demonstrates its effectiveness in the topstitching process.**

For welting shoulders of a difficult-to-sew material, uniform stitches can be produced continuously by appropriately changing the sewing conditions even if the right and left material fabric differ in texture grain.



### II. Active presser foot pressure mechanism The presser foot pressure is digitally controlled **Premium Digital**

Digital control system controls the presser foot pressure. Under the automatic mode, the multi-layered section detection function detects changes in material thickness to increase/decrease the presser foot pressure accordingly.

Under the manual mode, the presser foot pressure control function is assigned to the hand switch to enable operation with the hand switch.

**The active presser foot pressure mechanism demonstrates its effectiveness in prevention of stitch gathering and loose stitches.**

The needle thread tension, presser foot pressure, pitch, feed locus and feed dog height can be totally changed to link their adjustments appropriately.



### III. Needle thread clamp **Premium Digital** **Digital**

The device clamps the needle thread and draws it under the material at the beginning of sewing. The needle thread clamp device works to reduce the size of thread tangling in on the wrong side of the material.

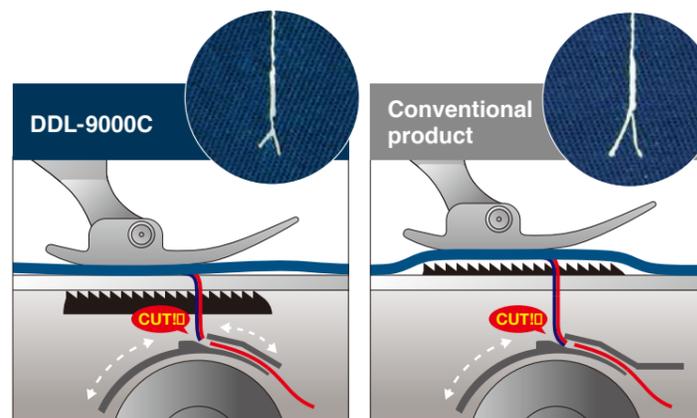
This expands the area around the needle entry, thereby allowing the use of various gauge components.

## Remaining thread at the end of sewing reduced to 3mm **Premium Digital** **Digital**

Newly adopted “double digital feed mechanism” controls up/down of the feed dog and the “double-edge driving rotary knife system” allows the feed dog to come down at the time of trimming the thread.

As a result, the knives intersect with each other just under the needle entry point.

This mechanism not only ensures the needle thread length of 3 mm or less that trails from the needle eyelet after thread trimming without being affected by the stitch length but also allows the operator to place/remove the material on/from the sewing machine with ease.

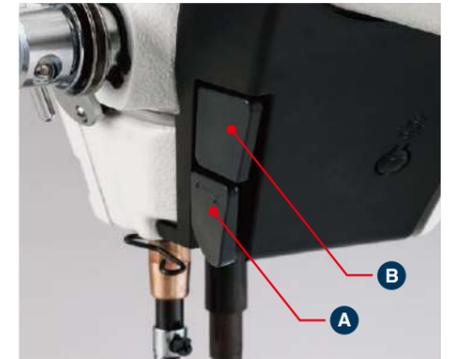


Thread remaining amount is less than 3mm (wrong side)

## Functions necessary for sewing machine operation can be used with the hand switch

Functions of two hand switches can be set through the operation panel. Since the reverse-feed stitching lever is provided as standard, added functions can be customized. 20 different functions (needle-up/down correction sewing, reverse-feed correction sewing, 1-time reverse-feed stitching cancellation function, etc.) are available. Highly convenient operation is enabled by setting the functions which match the sewing process in combination.

The hand switches have been factory-assigned respectively with **A** “Touch-back switch” and **B** “Custom switch” (to be set by the customer) at the time of shipment. The customer may assign other functions to these two hand switches.



### Hand switch (in the case it is assigned with the multi-layered section changeover function)

#### Premium Digital

- Detect Multi-layered section of material and **automatically carry out the changeover** of multi-layered section <Automatic mode>
- **Manually carry out the changeover** of multi-layered section at an arbitrary timing with the hand switch <Manual mode>
- **Set thread tension, presser foot pressure, pitch, feed locus and feed dog height** separately for the normal section and multi-layered section of material
- **Digitally control** presser foot pressure

#### Digital

- **Manually carry out the changeover** of multi-layered section at an arbitrary timing with the hand switch
- **Set thread tension, presser foot pressure, pitch, feed locus and feed dog height** separately for the normal section and multi-layered section of material

## Auto-lifter AK-154 **Premium Digital**

Newly-developed auto-lifter device comes with a stepping motor. This not only increases the amount of lift of the presser foot from 8.5 mm to 13.5 mm at the maximum but also reduces the operating noise.

After the thread cutting of the sewing machine, thanks to the feature of the world's first top and bottom drive electronic feed mechanism to prevent the feed dog from protruding the top of throat plate, the material can be placed under presser foot and removed from there with ease and is not easily damaged.

※To lift the presser foot to its maximum amount of lift, it is necessary to set the amount of lift in two stages.

※For the full-digital type model, the auto-lifter function is provided as standard.

## Commitment to seam quality “Reverse-feed stitching function by means of the reverse feed lever” is provided as standard. **Premium Digital** **Digital**

The operator carries out fine adjustment of correction sewing (within the stitch length of 1 pitch) using the reverse feed lever, thereby achieving “further improved seam quality”.



## LED light **Premium Digital** **Digital**

The LED light illuminates the needle entry area in the just-under direction from the right and left sides of the needle bar. In comparison with the single-direction illumination, this LED light helps the operator carry out sewing more easily.

Illuminance of the LED light is adjustable in five levels. It can also be used as an auxiliary lamp for working.



## DDL-9000C Series comes in three different types

These three types of the DDL-9000C Series are environmentally friendly sewing machines that prevent the material from being stained with oil.

### FD Fully-dry head type Premium Digital

## DDL-9000C-D

Max. sewing speed: 4,000sti/min

The machine prevents the material being sewn from being stained with oil.

The DDL-9000C is the comfort sewing machine that prevents oil stains on the material during sewing. It totally supports the improvement of finished seam quality.



● The section around the needle bar, the thread take-up lever and the hook are not lubricated.

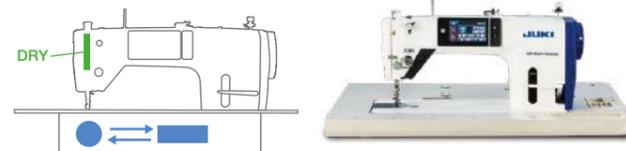
### FM, SM Semi-dry head type Premium Digital Digital

## DDL-9000C-M

Max. sewing speed: 5,000sti/min

Sewing work free from oil stains by means of our leading-edge dry-head technology.

With the advanced dry technology of enabling operation without being lubricated, a frame which does not need lubrication has been developed. It is provided with not only a high-speed sewing capability, but also a safety feature for preventing oil stains.



● The needle bar and thread take-up components are not lubricated.  
● For the hook section, the standard method of lubrication is employed.

### FS, SS Minute-quantity lubrication type Premium Digital Digital

## DDL-9000C-S

Max. sewing speed: 5,000sti/min

The sewing speed of 5000 sti/min, which is the highest speed of any direct-drive lockstitch machines, contributes to increased productivity.

The DDL-9000C-S is the standard model developed with the emphasis on durability. It produces seams with consistency when run at speeds which falls in the range of the highest sewing speeds.



● The needle bar and thread take-up components are lubricated with the minimum required quantity of oil.  
● For the hook section, the standard method of lubrication is employed.

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

## OPTIONS

### Non-lubricated hook 22890206

### Non-lubricated hook (with a needle guard) 22890404

★The following two parts must be added to enable use of the non-lubricated hook in semi-dry head type machines or minute-quantity lubrication type machines.

Hook driving shaft stop-plug screw: 11079506

O-ring: R0036080200



Non-lubricated hook

The hook is used with the lubrication stopped, thereby preventing oil stains.

The non-lubricated hook has a lace made of special plastic.

### Non-rotary bobbin

Hook: 27003557

Bobbin case: 27003755

Bobbin: 27003805



The non-rotary bobbin eliminates irregular stitches which have a tendency to occur at some sewing speeds and bobbin-thread tension fluctuations which have a tendency to occur according to the bobbin thread remaining on the hook. Since the bobbin thread is fed without rotating the bobbin, the bobbin never idles.

★The non-rotary bobbin requires an exclusive hook, bobbin and bobbin case.

### Auto-lifter AK-154 (foot-pedal type) 40174617

★For the full-digital type model, the auto-lifter function is provided as standard.

### Cooling fan kit: 40216380



The cooling fan kit is for high-temperature areas.

## SPECIFICATIONS

| MODEL                    | DDL-9000C-FDS   | DDL-9000C-FMS  | DDL-9000C-FSH                         | DDL-9000C-SMS                       | DDL-9000C-SSH                         |
|--------------------------|---|----------------|---------------------------------------|-------------------------------------|---------------------------------------|
| Type                     | Premium Digital Type <b>Premium Digital</b>   |                |                                       | Digital Type <b>Digital</b>         |                                       |
| Application              | Medium-weight   |                | Heavy-weight                          | Medium-weight                       | Heavy-weight                          |
| Lubrication              | Fully-dry head type   | Semi-dry       | Minute-quantity lubrication           | Semi-dry                            | Minute-quantity lubrication           |
| Max. sewing speed        | 4,000sti/min*   | 5,000sti/min*1 | 4,500sti/min*2                        | 5,000sti/min*1                      | 4,500sti/min*2                        |
| Hand switch              | Provided as standard (At the time of shipment: Hand switches are assigned respectively with the touch-back switch function and the one-touch changeover switch function.) 5mm |                |                                       |                                     |                                       |
| Max. stitch length       | 5mm   |                |                                       |                                     |                                       |
| Thread trimming method   | Double-edge rotary system   |                |                                       |                                     |                                       |
| Needle bar stroke        | 30.7mm  |                | 35.0mm                                | 30.7mm                              | 35.0mm                                |
| Feed dog height          | 0.8mm   |                | 1.2mm                                 | 0.8mm                               | 1.2mm                                 |
| Needle thread tension    | Active tension  |                |                                       | Spring type                         |                                       |
| Presser foot pressure    | Electronic control  |                |                                       | Spring type                         |                                       |
| Lift of the presser foot | By hand: 5.5mm, By knee: 15mm Auto: 1st stage 5.0 mm (*0.1~8.5mm), 2nd stage 8.5 mm (*8.5~13.5mm) *Adjustable on the operation panel  |                |                                       |                                     |                                       |
| Needle                   | DB×1・DB×5 (#11)<br>#9~18 (Nm65~110)   |                | DB×1・DB×5 (#21)<br>#20~23 (Nm125~160) | DB×1・DB×5 (#11)<br>#9~18 (Nm65~110) | DB×1・DB×5 (#21)<br>#20~23 (Nm125~160) |
| Bobbin thread winder     | Built in the top of machine head (provided with the bobbin thread retaining plate)  |                |                                       |                                     |                                       |
| Lubricating oil          | JUKI New Defrix Oil No.1 or JUKI CORPORATION GENUINE OIL 7 (equivalent to ISO VG7)  |                |                                       |                                     |                                       |
| Size of bed              | 517×178mm (distance from needle to machine arm: 303mm)  |                |                                       |                                     |                                       |
| Machine head drive       | Compact AC servomotor (400W) that is directly connected to the main shaft (direct-drive system)   |                |                                       |                                     |                                       |
| Power consumption        | 520VA   |                |                                       |                                     |                                       |
| Net weight               | Machine head: 40.5kg (with AK-154)  |                |                                       |                                     |                                       |

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

\*1 Stitch length of 4.00mm or less: 5,000sti/min; Stitch length of 4.05 - 5.00mm: 4,000sti/min

\*2 Stitch length of 4.00 or less: 4,500sti/min; Stitch length of 4.05 - 5.00mm: 4,000sti/min

## WHEN YOU PLACE ORDERS

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

### Machine head

DDL9000C

| Digital Specifications | Machine head                | Sewing specifications  | Code | Wiper        | Code | Automatic foot lifter      | Code  |
|------------------------|-----------------------------|------------------------|------|--------------|------|----------------------------|-------|
| Premium digital type   | Fully-dry head type         | Midium-weight          | FDS  | Not provided | OB   | Not provided               |       |
| Premium digital type   | Semi-dry head               | Midium-weight          | FMS  | provided     | NB   | Provided (driven by pedal) | AK154 |
| Premium digital type   | Minute-quantity lubrication | Heavy weight materials | FSH  |              |      |                            |       |
| Digital type           | Semi-dry head               | Midium-weight          | SMS  |              |      |                            |       |
| Digital type           | Minute-quantity lubrication | Heavy weight materials | SSH  |              |      |                            |       |

※FDS is only available to NB (with Nipper).

※AK154 can be selected only digital spec=> S (Digital type) only  
※For the full-digital type model, the auto-lifter function is provided as standard.

### Control box

SC95  AK

| Head                 | Code | PSC box                                    | Code |
|----------------------|------|--|------|
| Premium digital type | 0    | Single-phase 200~240V (For General Export) | K    |
| Digital type         | 1    |  |      |

● To order, please contact your nearest JUKI distributor.

# DU-1181N

1-needle, Top and Bottom-feed, Lockstitch Machine with Double-capacity Hook



# DU-1181N

With its powerful top and bottom feed mechanism, the machine smoothly feeds a difficult-to-feed material or a multi-layered part of material without pitch errors, achieving consistent seam quality.

### Higher lift of the presser foot

The lift of the presser foot, by the knee lifter, is as high as 15 mm so as to support processes which require a higher lift of the presser foot, such as piping and tape-attaching.



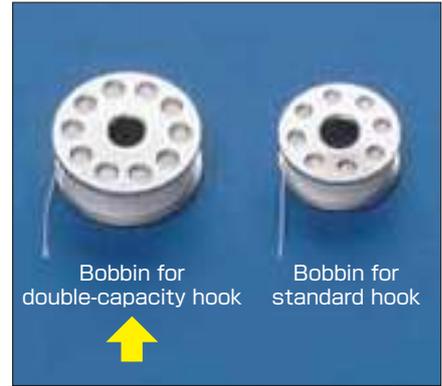
### The maximum stitch length is 9mm

With its stitch length being as large as 9 mm, the machine is applicable to a broader range of sewing processes.



### The double-capacity hook is provided as standard

The machine comes with a horizontal-axis double-capacity hook, not only to decrease the frequency of bobbin thread changing, but also to enable sewing work with increased efficiency.



### Automatic lubricating mechanism

A pump-unit type automatic lubricating mechanism dramatically improves maintainability. The oil amount in the face plate and hook is adjustable.

The top feed mechanism employs a grease tank and oil wick lubrication mechanism.



### The machine achieves low-vibration and low-noise

The machine head is designed to achieve optimum balance, thereby reducing vibration and noise. The machine affords the operator a comfortable working environment.

### Excellent operability

- The stitch pitch can be adjusted in both the normal and reverse directions.
- The height and inclination of the feed dog can be adjusted.
- The amount of the alternating vertical movement of the walking foot and presser foot is adjustable in a range from 2 to 5mm according to the height of a multi-layered section of material.
- The horizontal feed cam, top and bottom feed cam and top feed cam can be adjusted after opening the rubber caps ( three caps ) on top of the machine head.

## Specifications

| Model name                          | DU-1181N   |
|-------------------------------------|--|
| Max. sewing speed                   | 2,000sti/min*  |
| Max. stitch length                  | 9mm (forward/backward)                                 |
| Needle bar stroke                   | 36.5mm   |
| Lift of the presser foot            | By hand: 5.5mm, By knee: 15mm                          |
| Thread take-up                      | Link type  |
| Alternating vertical movement       | 2~5mm  |
| Hook                                | Horizontal-axis full-rotary double-capacity hook       |
| Needle (at the time of delivery)    | DPX17 (#21) #14~#23 *The DBX1 needle can also be used. |
| Thread                              | #40~#8   |
| Pitch changing method               | By dial  |
| Knee-lifter mechanism               | Built on the machine head                              |
| Lubrication                         | Automatic  |
| Lubricating oil                     | JUKI MACHINE OIL No.7 (equivalent to ISO VG7)          |
| Distance from needle to machine arm | 261mm  |
| Bed size                            | 477mmX178mm  |
| Weight of the machine head          | 31kg   |

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

- To order, please contact your nearest JUKI distributor.

**JUKI**® 2-11-1, TSURUMAKI, TAMA-SHI,  
TOKYO 206-8551, JAPAN  
PHONE : (81) 42-357-2254  
FAX : (81) 42-357-2274  
http://www.juki.com

\* 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.

## When you place orders

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

# DU1181N



**JUKI CORPORATION HEAD OFFICE**  
An environmental management system to promote and conduct the following:  
(1) Eco-friendly development of products and technologies  
(2) Green procurement and green purchasing  
(3) Energy conservation (reduction in carbon-dioxide emissions)  
(4) Resource saving (reduction of papers purchased, etc.)  
(5) Reduction and recycling of waste  
in the activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

# DLN-9010A

Direct-drive, High-speed, 1-needle, Needle-feed, Lockstitch Machine with Automatic Thread Trimmer

# JUKI



DLN-9010A-SS-WB/CP-180A

Direct-drive, High-speed, 1-needle, Needle-feed, Lockstitch Machine with Automatic Thread Trimmer

# DLN-9010A

## OPTIONS With its full array of options, the machine further increases productivity.

### ●Auto-lifter

AK118 (pedal-driven)



### ●Optional switch (Part No.: 400-00380)

Various functions\* can be controlled through manual switches, which are effective when operating the machine in a standing position.

\*Needle up/down correction, one-stitch correction, reverse-stitch correction, auto-lifter, thread trimming, and the cancellation of one cycle of repetitive stitching.



### ●Micro-lifter (asm.) (Part No.: 236-11056)

This device can be installed on the back of the face plate. It is very convenient for frequent use.

## ■ SPECIFICATIONS

| Model name                          | DLN-9010A-SS   | DLN-9010A-SH   |
|-------------------------------------|--|--|
| Application                         | For light- to medium-weight materials  | For heavy weight materials                           |
| Max. sewing speed                   | 5,000sti/min   | 4,000sti/min   |
| Max. stitch length                  |  | 4.5mm*   |
| Needle bar stroke                   |  | 33mm   |
| Lift of the presser foot            | By hand: 5.5mm, By knee: 15mm(max.), Auto: 10mm  |  |
| Needle (at the time of delivery)    | DBx1 (#11) #9~#18<br>For JE:134 (Nm90) Nm65~Nm110  | DBx1 (#21) #20~#23<br>For JE:134 (Nm130) Nm120~Nm160 |
| Hook                                | Automatic-lubricating full-rotary hook   |  |
| Lubrication                         | Minute-quantity lubrication to needle bar and hook                                       |  |
| Lubricating oil                     | JUKI New Defrix Oil NO.1 (equivalent to ISO VG7)   |  |
| Distance from needle to machine arm | 300mm  |  |
| Size of bed                         | 517mmx178mm  |  |
| Bobbin thread winder                | Built-in the machine head  |  |
| Micro-lifter screw                  | Provided as standard   |  |
| Machine head drive                  | Compact AC servomotor that is directly connected to the main shaft (direct-drive system) |  |
| Automatic reverse feed function     | Provided as standard (built-in solenoid type)  |  |
| Power requirement/Power consumption | Single-phase 100~120V, 200~240V, 3-phase 200~240V / 310VA                                |  |
| Total weight                        | 83.5kg   |  |

\* The maximum sewing speed is 4,000 sti/min or less in cases where the maximum stitch length is 3.5 mm or more.

\*sti/min stands for Stitches per Minute.

## ■ WHEN YOU PLACE ORDERS

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

Machine head **DLN9010AS**

| Machine head type | Code | Application                               | Code | Wiper and automatic reverse feed function |                                 |      | Device and attachment      | Code  |
|-------------------|------|---|------|---|---------------------------------|------|----------------------------|-------|
| Standard          | S    | For light- to medium-weight materials     | S    | Wiper                                     | Automatic reverse feed function | Code | Not provided               |       |
|                   |      | For heavy-weight materials                | H    | Not provided                              | Provided                        | 0B   | Auto-lifter (pedal-driven) | AK118 |
|                   |      | For sewing with low presser foot pressure | B    | Provided                                  | Provided                        | WB   |                            |       |

Control box **SC920A**

| Power supply  | Code |
|---|------|
| Single-phase 100-120V (for JA [LA])                 | S    |
| 3-phase 200-240V (for JA, General Export)           | D    |
| Single-phase 200-240V (for General Export)          | K    |
| Single-phase 200-240V (for General Export [IPM FC]) | L    |
| Single-phase 200-240V (for CE)                      | N    |

Operation Panel **CP18A**  
**CP180A**



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.

**JUKI**  
JUKI CORPORATION  
SEWING MACHINERY & SYSTEMS BUSINESS UNIT

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FAX: (81) 42-357-2274  
<https://www.juki.co.jp/en>

\* 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

This is a needle-feed type DDL-9000 Series sewing machine, that has been highly applauded as the top-of-the-line lockstitch machine with a thread trimmer.

# DLN-9010A



It has inherited the advanced features of the DDL-9000 Series, such as the direct-drive system, semi-long arm and elimination of the oil pan. In addition, it comes with a highly reliable needle feed mechanism.

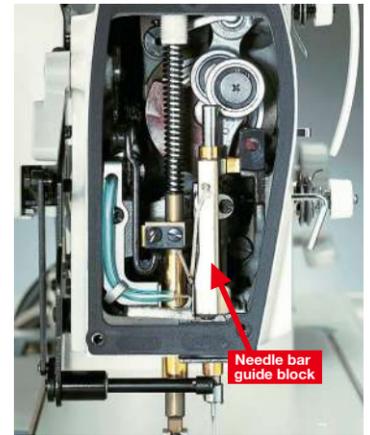
Thanks to the adoption of the most advanced compact AC servomotor, which has been utilized in the DDL-9000B, as well as employing the new model control box SC-920A, the DLN-9010A achieves a substantial labor-saving equivalent to that of the DDL-9000B.

The thread trimming speed is increased 1.5 times or more as compared with the conventional model, as the thread trimming timing can now be precisely controlled.

The needle feed mechanism, which is widely recognized as offering outstanding efficiency of feed and effectively preventing uneven material feed, responds to a wide range of applications such as the sewing of outerwear, runstitching of men's shirts, etc. and the attaching of various parts to garment bodies.

## The machine is installed with a highly reliable needle feed mechanism.

- Thanks to the needle-feed mechanism which offers excellent efficiency of feed, the machine ensures accurate stitch pitches (stitch length) as well as preventing slippage of the upper cloth. The bottom feed's locus has been improved to match the needle feed motion, thus the machine produces beautiful seams without stitch gathering, even when it is used for sewing slippery and difficult-to-feed material or for handling a difficult process.
- The needle feed mechanism is a so-called "dry type", which does not require oiling. With this mechanism, a highly reliable machine structure, free from oil leakage troubles, has been achieved. The frame, which requires only a minute quantity of lubricating oil, is structured to eliminate oil leakage.
- The machine can be easily changed over from a needle feed mechanism to a bottom feed mechanism easily, through a simple adjustment and gauge replacement. It is a useful feature for those users who also want to use the machine simply as a regular bottom feed type machine in accordance with applications and processes.



## The machine no longer uses an oil pan. With this oil pan-less structure, the machine helps create a clean work environment.

- The machine has been configured to eliminate the oil pan, and supplies a minute quantity of lubricating oil to the hook and needle bar, thereby contributing to the creation of a clean work environment.
- The machine saves you the time and trouble of removing the knee-lifter and cover. This means that the machine head can be tilted for cleaning and maintenance without the inconvenience of removing the knee-lifter and cover.
- Even if you tilt the machine head while the power is still ON, the safety switch will disable the machine. This means the machine won't start running when the head is tilted even if you press the foot pedal.



## The machine is provided with various easy-to-operate functions for increased operability.

**● Bobbin thread winder**  
The bobbin thread winder is built-in at the top surface of the machine head. The built-in bobbin winder ensures easy replacement of the bobbin thread. The bobbin winder also incorporates a thread cutting knife for cutting the thread after the completion of bobbin winding, as well as a bobbin thread quantity adjusting function.

**● Micro-lifter**  
The machine is equipped as standard with a micro-lifter. It works to constantly float the presser foot above an elastic material or other difficult-to-sew ones, thereby helping effectively reduce material slippage as well as damages made by the presser foot on the material.

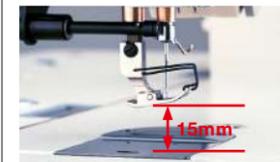


**● The latest compact-size servomotor**  
The DLN-9010A is installed with the latest compact servomotor which has also been adopted in the DDL-9000B in the direct-drive system, in which the servomotor is directly connected to the main shaft.

**● Distance from needle to machine arm 300mm**  
With its wider area under the arm (300mm), the machine permits easy handling of the sewing material for improved operability.

**● Automatic reverse feed function**  
The machine has a pushbutton-type reverse feed switch. The automatic reverse feed switch can be re-positioned to best match the operator.

**● Presser foot**  
The maximum lift of the presser foot is increased to 15mm. By using the higher-lift of the presser foot in combination with the machine's needle-up stopping feature, easier placement of a heavyweight material on the machine is ensured.



**● Automatic thread trimmer mechanism**  
Precise control of the thread trimming timing is now enabled. As a result, the thread trimming speed is increased 1.5 times or more while maintaining the high reliability of the conventional type of thread trimmer.

**● Attachment-mounting seat**  
Installation of an attachment-mounting seat improves operability when replacing the attachment and increases the durability of the machine bed surface.

**● Hinge**  
The hinge has been moved 10cm from behind the needle entry point. Thanks to the improvement in the hinge's location, the material will no longer be caught by the hinge, thus contributing to upgraded workability.

**● Lubricating hole**  
The lubricating hole is located on the arm. This allows female operator to carry out the oiling process without tilting the machine head.

## Newly developed control box

### SC-920A

The new model control box, which energy-saving mode is provided.

The new model control box SC-920A, which consists of an energy-saving mode, has been developed. This control box is the first one which provides an energy-saving mode for the sewing machine. The power consumption during standby, when the motor is at rest, is reduced by approximately 20%.



## The operation panel can be selected according to the process.

### CP18A, CP-180A

Two different operation panels, the CP-18A and CP-180A are applicable to the DLN-9010A. Both operation panels are provided with the production support function.

The production support function actually consists of three different functions (six different modes)



## Function comparison table between CP-18A and CP-180A

| Main function  | CP-18A                         | CP-180A                             |
|--|--------------------------------|-------------------------------------|
| Production support function  | ○                              | ○                                   |
| Automatic reverse-feed stitching (performed at start/end of sewing; selectable)  | 0 to 15 stitches               | 0 to 19 stitches                    |
| Double reverse-feed stitching (performed at start/end of sewing; selectable):  | 0 to 15 stitches               | 0 to 19 stitches                    |
| Constant-dimension sewing (performed at start/end of sewing; selectable)   | ×                              | 0 to 500 stitches, 0 to 19 stitches |
| Rectangular stitching (performed at start/end of sewing; selectable)   | ×                              | 0 to 99 stitches, 0 to 19 stitches  |
| Multi-layer stitching  | 0 to 15 stitches, 0 to 9 times | 0 to 19 stitches, 0 to 9 times      |
| Bobbin thread counter display (10/15/20 stitches/count; selectable according to the internal setting, max. 9999)                                 | ○                              | ○                                   |
| Needle up/down correction (1 stitch stroke or needle up/down according to the internal setting) (changeable between "up → down" and "down → up") | ×                              | ○                                   |
| Automatic sewing (selectable between constant-dimension sewing and rectangular sewing)   | ×                              | ○                                   |
| Max. sewing speed control dial   | ×                              | ○                                   |
| Display of the number of revolution of sewing machine (combined with the SC920A)   | ○                              | ○                                   |

### 1. Output control function

- ① Target No. of products display mode
- ② Target-actual result difference display mode

### 2. Operation measuring function

- ① Sewing machine availability display mode
- ② Pitch time display mode
- ③ Average speed of stitch display mode

### 3. Bobbin counter function

- ① Bobbin counter display mode

## JUKI ECO PRODUCTS



The DLN-9010A 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: <https://www.juki.co.jp/en/company/eco>

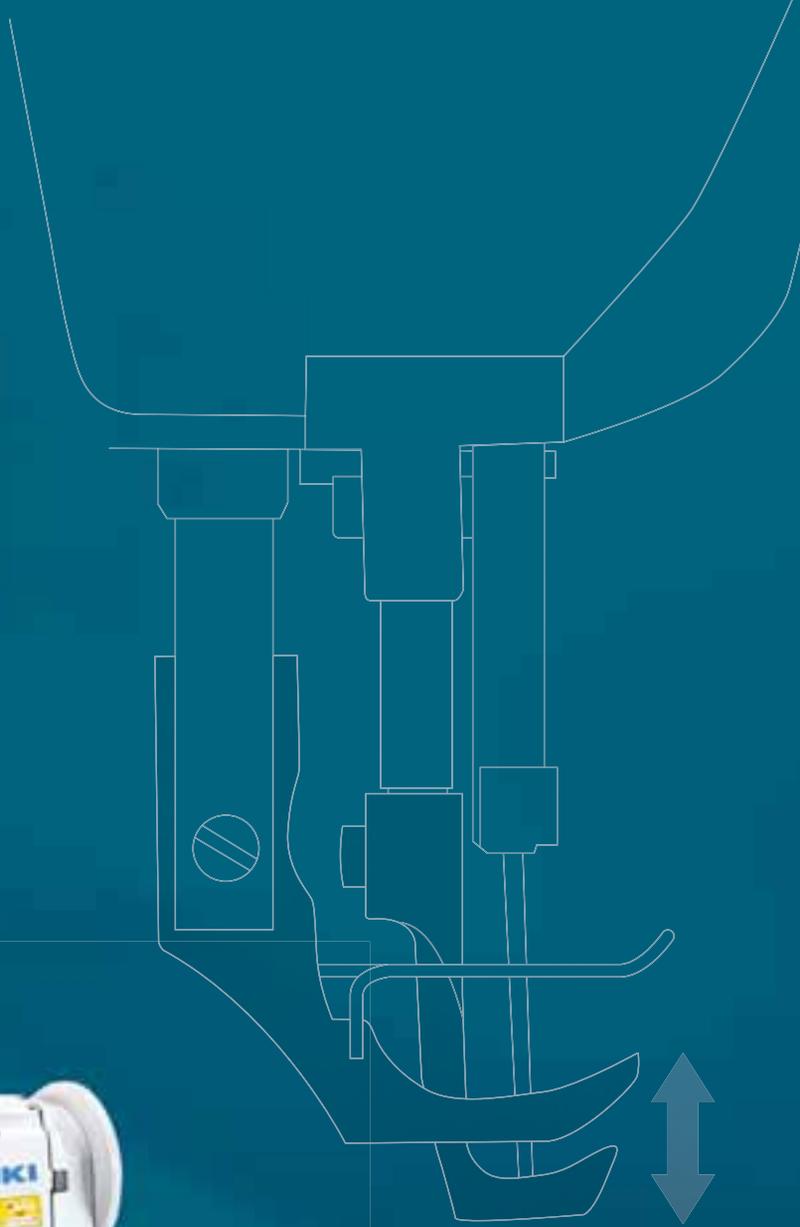
\*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned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

# DNU-1541 Series

1-needle, Unison-feed, Lockstitch Machine with Double-capacity Hook



DNU-1541-7  
\*Photo shown with optional CP-180(operation panel).



# DNU-1541 Series

With its reliable feed and consistent seam quality,  
the machine responds outstandingly to the sewing of heavy materials.

# DNU-1541 Series

DNU-1541

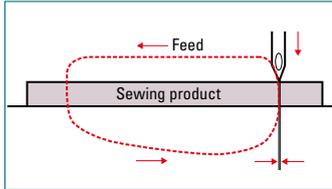
DNU-1541S (with safety mechanism)

DNU-1541-7 (with automatic thread trimmer)

## Excellent sewing capabilities and feed performance.

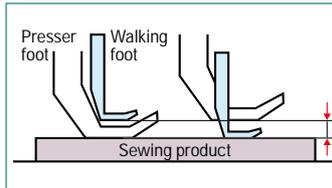
With its larger needlebar stroke, higher presser foot lift, and newly adopted double-tension mechanism, the machine offers excellent sewing capabilities and responsiveness.

### Rectangular feed



•Compared with the elliptical feed, the rectangular feed helps reduce gathered stitches.

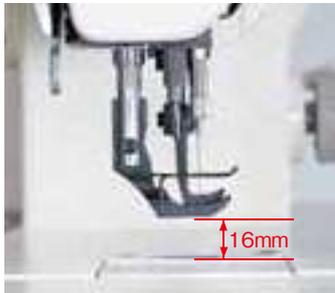
### Alternating vertical movement mechanism



•The ratio of alternate vertical movement remains unchanged even when the material thickness changes.

The alternating vertical movements of the walking foot and presser foot are as large as 6.5mm.

In addition, the ratio between alternating vertical movements of the walking foot and presser foot remains unchanged even when the material thickness changes. Thanks to this feature and the adoption of a new method of rectangular feed that prevents needle from fraying, the machine sews multi-layered parts of a material with consistent stitching pitch while preventing stitch gathering.



•Higher lift of the presser foot



•The maximum alternating vertical movement is 6.5mm.

## High-speed performance increases productivity.

The machine delivers increased productivity at sewing speeds as high as 2,500sti/min (DNU-1541, -1541S) or 3,000sti/min (DNU-1541-7).



## Safety mechanism. (DNU-1541S)

When the thread is caught in the hook or any other sewing trouble occurs, the safety mechanism will automatically operate to prevent the machine from being damaged.



## Excellent operability and maintainability.

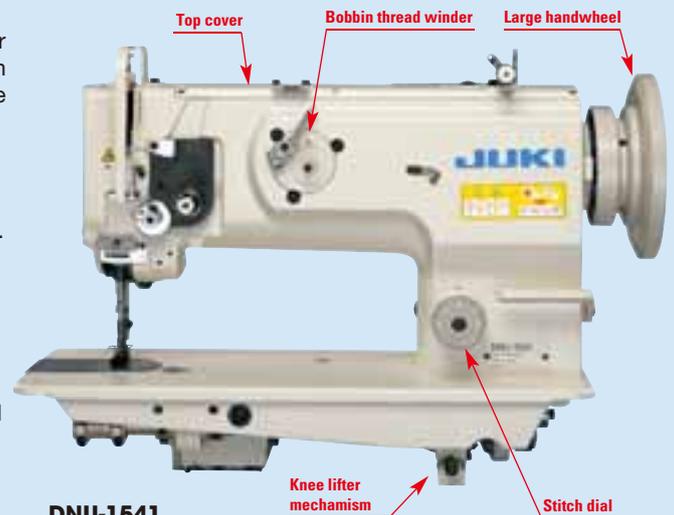
The stitch length can be easily selected by the stitch dial. The machine's enhanced operability features include a clear view of the area around the needle, placement of the bobbin thread winder on the front face of the machine arm, and a large handwheel ( $\phi 160\text{mm}$ ).

A knee-lifter mechanism is built in the bed. This reduces the pressure required to operate the knee-lifter and facilitates setup.

The machine's full-open-type top cover design makes adjusting works easier.

The machine comes with a lubricating mechanism that uses a centralized oil wick. This substantially reduces the time and trouble required for oiling the machine. (Hook : automatic.)

A walking foot mechanism is built into the machine arm to prevent oil from scattering



DNU-1541

# DNU-1541-7

(with automatic thread trimmer)



**DNU-1541-7**

\* Operation panel is optionally available.

## The vertical stroke of the walking foot and presser foot can be easily set and changed.

The vertical stroke of the presser foot and walking foot (amount of alternating vertical movement) can be easily changed with the large dial mounted on the top of the machine head. The sewing speed is automatically regulated based on the vertical stroke setting. This ensures ideal sewing conditions at all times.



## The area around the needle entry is designed to be easily observed.

Since the needle thread tension-release solenoid is fitted on the rear face of the machine head, the area around the needle entry and one-touch type reverse feed button is easily viewable. This substantially contributes to improved operability.

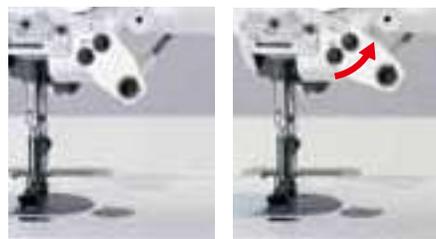
## Thread trimming without fail.

Consisting only of a moving knife and counter knife, the simple and well-balanced thread trimming mechanism is capable of cutting thick thread up to without fail.



## A helpful automatic reverse feed function is provided as standard.

With just a light press on the one-touch type reverse feed button, reverse feed stitching is actuated. Furthermore, if a suspended ruler is attached on the machine or a 3-dimensional sewing product is sewn, the button can be shifted upward to prevent interruption.



## OPTIONS

### ● Pneumatic auto-lifter

| Model name            | Type   | Part No. | Switch type      |                   | Air regulator |
|-----------------------|--------|----------|------------------|-------------------|---------------|
|                       |        |          | Knee switch type | Pedal switch type |               |
| DNU-1541<br>DNU-1541S | AK147A | 40103185 | ○                | —                 | —             |
|                       | AK147B | 40103186 | —                | ○                 | —             |
|                       | AK147C | 40103187 | ○                | —                 | ○             |
|                       | AK147D | 40103188 | —                | ○                 | ○             |
| DNU-1541-7            | AK147F | 40103203 | ○                | —                 | ○             |
|                       | AK147G | 40103204 | —                | ○                 | ○             |

### ● Automatic reverse feed function

| Model name            | Part No. | Remarks                     |
|-----------------------|----------|-----------------------------|
| DNU-1541<br>DNU-1541S | 40103190 | Provided with air regulator |

\* To use a pneumatic auto-lifter and reverse feed function in combination with a machine that is without automatic thread trimmer, select AK147A or AK147B.

### ● Combination of optional devices

| Model name            | Combination   | Pneumatic auto-lifter | Automatic reverse feed function | DL device |
|-----------------------|---|-----------------------|---------------------------------|-----------|
| DNU-1541<br>DNU-1541S | Automatic reverse feed function   | —                     | ○                               | —         |
|                       | Pneumatic auto-lifter   | AK147C                | —                               | —         |
|                       |   | AK147D                | —                               | —         |
|                       | Pneumatic auto-lifter+<br>Automatic reverse feed function               | AK147A                | ○                               | —         |
| AK147B                |   | ○                     | —                               |           |
| DNU-1541-7            | Pneumatic auto-lifter+<br>Automatic reverse feed function               | AK147F                | Provided as standard            | —         |
|                       |   | AK147G                |                                 | —         |
|                       | Pneumatic auto-lifter+<br>Automatic reverse feed function+<br>DL device | AK147G                |                                 | DL26E     |

### ● Instantaneous change-over device for the alternate vertical movement amount (DL device).\*



| Model name | Part No. | Remarks  |
|------------|----------|--|
| DNU-1541-7 | 40103195 | [DL26E] for installed after the setup of the machine |

\*For sewing processes that handle heavy-weight materials or multi-layered parts of material, the alternating vertical movements of the walking foot and presser foot can be quickly set to maximum by pressing the DL switch. The result is beautiful seams free from gathered stitches.

\*The machine is provided with both a hand switch and knee switch.

\*The DL device cannot be used alone. It is designed for use in combination with the auto-lifter (AK147G).

### ● Suspended ruler H152

| Part No.     | Quantity |
|--------------|----------|
| MAH-152010A0 | 1        |
| SS-7151610SP | 2        |
| WP-0621016SD | 2        |
| WS-0610002KN | 2        |

### ● 3-pedal unit PK70

Part No. GPK-700010A0 (for DNU-1541-7)  
Highly operable 3-pedal unit for standing work.



# SPECIFICATIONS

| Model name   | DNU-1541   | DNU-1541S            | DNU-1541-7  |
|--|--|----------------------|---|
| Max. sewing speed                                    | 2,500sti/min*                                      |                      | 3,000sti/min*                                       |
| Max. stitch length                                   | 9mm (forward / backward)                           |                      |   |
| Needle bar stroke                                    | 36mm   |                      |   |
| Lift of the presser foot                             | By hand: 9mm, By knee: 16mm                        |                      |   |
| Thread take-up                                       | Slide type   |                      |   |
| Amount of alternating vertical movement              | 2.5~6.5mm  |                      | 1~6.5mm   |
| Dial for adjustment of alternating vertical movement | -  |                      | Provided as standard                                |
| Bottom-feed adjusting mechanism                      | -  |                      | Provided as standard                                |
| Hook   | Horizontal-axis full-rotary double-capacity hook   |                      |   |
| Needle (at the time of delivery)                     | 135×17 ( Nm160) Nm125~Nm180                        |                      |   |
| Thread   | #30~#5, B46~B138, Nm=60/3~15/3                     |                      |   |
| Pitch changing method                                | By dial  |                      |   |
| Bobbin thread winder                                 | Provided as standard                               |                      |   |
| Knee-lifter mechanism                                | Provided as standard                               |                      |   |
| Safety mechanism                                     | -  | Provided as standard | -   |
| Lubrication  | Centralized oil wick lubrication (hook: automatic) |                      |   |
| Lubricating oil                                      | JUKI New Defrix Oil No.2 (equivalent to ISO VG32)  |                      |   |
| Distance from needle to machine arm                  | 264mm  |                      |   |
| Bed size   | 477mm×178mm  |                      |   |
| Automatic reverse feed function                      | Option   |                      | Provided as standard                                |
| Compressed air and air consumption                   | -  |                      | 0.5MPa (5kgf/cm <sup>2</sup> ), 0.3Nℓ/min           |
| Motor output   | 750W   |                      |   |
| Power requirement                                    | -  |                      | Single-phase 100~120V, 200~240V<br>3-phase 200~240V |
| Weight of the machine head                           | 36.5kg   |                      | 42.5kg  |

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

# WHEN YOU PLACE ORDERS

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

**[without automatic thread trimmer]**

**DNU1541** □

| Safety mechanism | Code |
|------------------|------|
| Not provided     | /    |
| Provided         | S    |

**[with automatic thread trimmer]**

**DNU154170B** □ □

| Pneumatic auto-lifter      | Code |
|----------------------------|------|
| Knee switch type (AK147A)  | A    |
| Pedal switch type (AK147B) | B    |
| Not provided               | /    |

| DL device    | Code |
|--------------|------|
| Not provided | /    |
| Provided*    | A    |

\* Select the auto-lifter code B (AK147B).

● To order, please contact your nearest JUKI distributor.



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(2) Green procurement and green purchasing  
(3) Energy conservation (reduction in carbon-dioxide emissions)  
(4) Resource saving (reduction of papers purchased, etc.)  
(5) Reduction and recycling of waste  
in the activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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http://www.juki.com

\* 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.

## SPECIFICATIONS

| Model name                         | Without automatic thread trimmer | LZ-2280BA  | LZ-2280BB             | LZ-2284B                          | LZ-2287B                |
|------------------------------------|----------------------------------|--|-----------------------|-----------------------------------|-------------------------|
|                                    | With automatic thread trimmer    | —  | —                     | LZ-2284B-7                        | —                       |
| Stitch system                      |                                  | Standard zigzag                                  | Standard wider zigzag | Standard / 3-step zigzag          | 3-step zigzag / scallap |
| Stitch pattern                     |                                  |  |                       |                                   |                         |
| Max. sewing speed                  |                                  | 5,000 sti/min*                                   |                       |                                   |                         |
| Max. zigzag width                  |                                  | 5 mm   | 8 mm                  | 5 mm (standard)<br>10 mm (3-step) | 10 mm                   |
| Max. feeding amount                |                                  | 2.5 mm   | 5 mm                  | 2.5 mm                            | 2.5 mm                  |
| Lift of the presser foot           |                                  | By hand: 5.5 mm, By knee: 10 mm                  |                       |                                   |                         |
| Hook                               |                                  | DP hook (with titanium-treated inner hook)       |                       |                                   |                         |
| Thread take-up                     |                                  | Rotary type                                      |                       |                                   |                         |
| Lubrication                        |                                  | Fully automatic                                  |                       |                                   |                         |
| Lubricating oil                    |                                  | JUKI New Defrix Oil No.1 (equivalent to ISO VG7) |                       |                                   |                         |
| Needle                             |                                  | 438SUK (Nm75), DPx134 (#10)                      |                       |                                   |                         |
| Needle position changing mechanism |                                  | Provided as standard                             |                       |                                   |                         |
| Reverse feed stitching mechanism   |                                  | Provided as standard                             |                       |                                   |                         |
| Needle throw pattern cam           |                                  | Triangular cam                                   |                       | Grooved cam                       |                         |

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

## WHEN YOU PLACE ORDERS

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

### ● LZ-2280B series (without automatic thread trimmer)

LZ228□□□0B□

| Type  | Code | Automatic reverse feed function      | Code | Type                       | Code |
|---|------|--------------------------------------|------|----------------------------|------|
| Standard wider zigzag (with a gauge for 5mm zigzag width) | 0BA  | with automatic reverse feed function | 0B   | Single-phase 100-120V      | A    |
| Standard wider zigzag (with a gauge for 8mm zigzag width) | 0BB  |                                      |      | 3-phase 200-240V           | D    |
| Standard/3-step zigzag                                    | 4B   |                                      |      | Single-phase 200-240V      | K    |
| Standard/3-step zigzag (with tape attaching)              | 4BT  |                                      |      | Single-phase 200-240V (CE) | N    |
| 3-step zigzag / scallap                                   | 7B   |                                      |      |                            |      |

### ● LZ-2280B-7 series (with automatic thread trimmer)

LZ2284B7□□□□□

| Type                     | Code | Wiper and automatic reverse feed function | Code                            | Auto-lifter  | Code | Power supply               | Code |
|--------------------------|------|---|---------------------------------|--------------|------|----------------------------|------|
| Standard / 3-step zigzag | 4B   | Wiper                                     | Automatic reverse feed function | Not provided | —    | Single-phase 100-120V      | A    |
|                          |      | Not provided                              | Provided                        | Provided     | AK   | 3-phase 200-240V           | D    |
|                          |      | Provided                                  | Provided                        | Provided     | WB   | Single-phase 200-240V      | K    |
|                          |      |   |                                 |              |      | Single-phase 200-240V (CE) | N    |

# LZ-2280B Series

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

The sewing machine stably produces softly finished seams with a low tension applied to the thread.



LZ-2284B7WBAK

**JUKI ECO PRODUCTS** The MF-3620 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: <https://www.juki.co.jp/en/company/eco>  
\*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.

MS CM001

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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.

MAY, 2024 Printed in Japan(TN)

Standard model of the zigzag stitching machines

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

# LZ-2280B Series

Sewing with a low thread tension achieves soft seams with improved stability.

# LZ-2280B Series

- 1 The electrical control box that is integrated with the machine head is adopted for the zigzag stitching machine.
- 2 Seam quality has been improved to stabilize the thread tension (to decrease irregular stitches) and increase the efficiency of feed.
- 3 This model further stabilizes the low-tension sewing feature that has been achieved by the predecessor model.
- 4 The improved feed mechanism enhances the efficiency of feed, thereby enabling stable sewing.
- 5 The sewing machine smoothly sews the material at its multi-layered portions.



## Integrated electrical control box

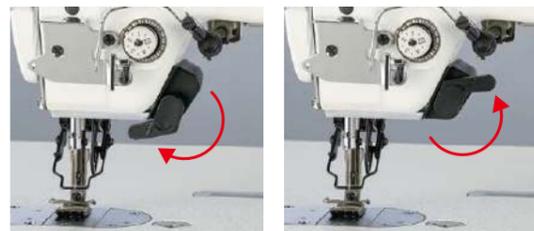
The LZ-2280B Series sewing machine has adopted the machine head integrated with the electrical control box and motor. In addition, the operation panel is also integrated into the machine head, thereby facilitating set-up of the sewing machine.

## Direct motor

Direct drive system that is directly coupled with the main shaft is adopted. The direct motor provides increased energy savings and improved responsiveness, thereby achieving the improved features of the sewing machine such as enhanced start-up and stopping accuracy.

## USB port

The sewing machine is provided as standard with a USB port that can be used for charging smartphones, etc.



## Touch-back switch

Since the electrical control box is also integrated into the sewing machine head of the model without thread trimmer, the touch-back switch, which could not be added to the sewing machine retrofitted with a commercially-available direct drive motor, is now provided as standard. Since this touch-back switch is of the rotary type, the operator is allowed to carry out sewing work with the material placed closer to the switch.

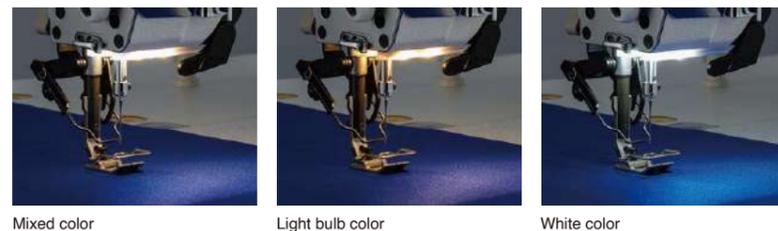
## Operation panel

For the conventional LZ-2280B Series sewing machine without thread trimmer, condensation stitch and overlapped stitch cannot be set on the operation panel. Now, it comes with the machine head integrated electrical control box to enable setting of condensation stitch and overlapped stitch on the operation panel. As a result, jump sewing process and label sewing process can be carried out with ease.



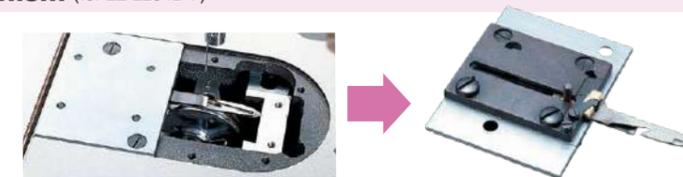
## LED hand light Reduction of the operator's fatigue

The LED light is provided as standard under the machine arm jaw. The sewing machine is installed with the color tone variable type LED light that permits adjustment of the daytime white color and light bulb color. The color tone of the LED light can be adjusted in accordance with the sewing product or environment. This helps improve workability and reduce eye fatigue.



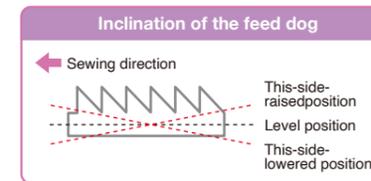
## JUKI's unique thread trimming mechanism (for LZ-2284B-7)

JUKI-specific loop spreading-structure knife sliding system enables thread trimming without fail whether needle throws to the right or the left.



## Maintenance

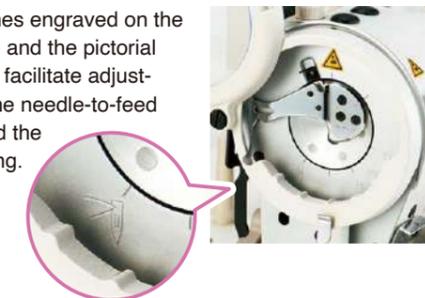
The adjustable range of the feed mechanisms has been widened, thereby upgrading the machine's responsiveness to materials



The feed mechanism has been improved by widening the adjustable range of the height and inclination of the feed dog. The feed locus has been optimized while placing great emphasis on the feed locus at the moment the needle penetrates the material to form a stitch. The weight of the feed mechanism has been reduced by using parts most of which are made of aluminum material. This facilitates sewing of overlapped sections of material that have to be securely held between the presser foot and the feed dog during sewing.

## Adjustment for various feed timings

Marker lines engraved on the face plate and the pictorial indication facilitate adjustment of the needle-to-feed timing and the hook timing.



## Adjustment of oil quantity in the hook

Oil feeding path of the LZ-2280A Series has been reviewed to enable feeding of consistent quantity of oil.

## Standard zigzag stitching machine

### Standard / Standard wider zigzag

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

# LZ-2280B

The standard zigzag stitching machine creates softly finished seams. The needle rocking mechanism is provided with a triangular cam which helps produce beautiful seams with consistency.



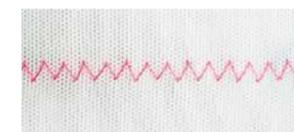
LZ-2280BAOB

Two kinds of gauges can be selected in accordance with the application of the machine: an A-type gauge with a zigzag width of 5 mm, and a B-type gauge with a zigzag width of 8 mm.

### Zigzag width: 5 mm

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

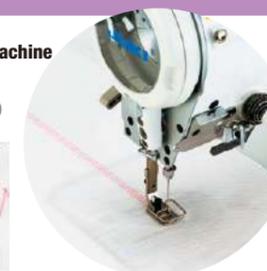
## LZ-2280BA



### Zigzag width: 8 mm

High-speed, 1-needle, Lockstitch, Standard wider zigzag stitching machine

## LZ-2280BB



# Stitching Pattern Changeover Function

Equipped with two different functions, the machine is available to handle a wider range of application

LZ-2284B (Standard/3-step Zigzag) and LZ-2287B (3-step Zigzag/Scallop) can perform two stitching patterns by one machine, thereby increasing the machine operation rate.

## Standard/3-step Zigzag Stitching Pattern Changeover Function

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

# LZ-2284B-7



LZ-2284B7WBAK

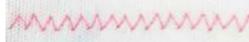
# LZ-2284B



LZ-2284B0B



Standard zigzag stitching

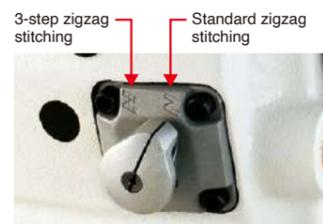


3-step zigzag stitching



Switch between the standard zigzag stitching pattern and 3-step zigzag stitching pattern with simple one-touch control

The operator can easily switch the needle-throwing pattern between the standard and 3-step zigzag stitching patterns using the lever located in the free space under the arm. When changing the sewing product or design, there's no need to adjust the sewing machine head or machine layout.



Standard/3-step zigzag stitching pattern changeover lever

## Switch between the 3-step zigzag stitching pattern and scallop stitching pattern with simple one-touch control

High-speed, 1-needle, Lockstitch, Zigzag Stitching Machine

# LZ-2287B



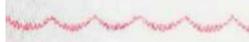
LZ-2287B0B



3-step zigzag stitching



Scallop stitching



3-step zigzag stitching and scallop stitching can be changed over through fingertip control

The mechanism for changing over the type of stitching between standard zigzag stitching and 3-step zigzag stitching has been well-received in the market. Now, the sewing machine which is able to change over the type of stitching between 3-step zigzag stitching and scallop stitching which are frequently used for sewing girdles has been added to the LZ Series.

# Options

## Hook with non-rotational bobbin



The hook with non-rotational bobbin eliminates sewing troubles resulting from bobbin idling. It provides a uniform bobbin thread tension at all times, thereby guaranteeing a consistent stitch formation.

- 235-23152 Hook
- 235-22550 Bobbin case (asm.)
- 235-23004 Bobbin

|                       |  |
|-----------------------|--|
| Application           | Mainly for the standard zigzag stitch: Effectively prevents the material swelling at the sewn part, as well as irregular stitches when sewing lace to slips, camisoles and shorts.   |
| Precaution            | The quantity of thread to be wound around this bobbin is approximately 60% of that wound around the conventional bobbin. Therefore, this bobbin is not recommended for pattern stitching such as three-point zigzag stitching and scallop stitching, or intape-attaching processes, even if the stitch system is the standard zigzag stitch. |
| Applicable thread     | Thread specifically developed for sewing foundation garments and lingerie such as Resilon, Poelon, Satin, and Berlon (#50, #60)  |
| Not-applicable thread | Thread which has naps, decorative yarn of multi-fiber thread such as woolly thread, Berlon D420 and D300, and spun thread  |

If you want to use a non-rotational bobbin, consult your distributor beforehand.

## Oilless bobbin case / Hook (special race surface plastic hook)



The oilless bobbin case and hook effectively prevent oil stains.

\*When using the oilless bobbin and hook, a hook driving shaft front setscrew (part number: 110-79506) is necessary.

- 235-57259 Hook compl. D
- 400-03609 Bobbin case D3 (compl.)
- 400-03610 Bobbin case D3 (asm.)

## Hook gib



Soft seams can be produced by lowering the bobbin thread tension.

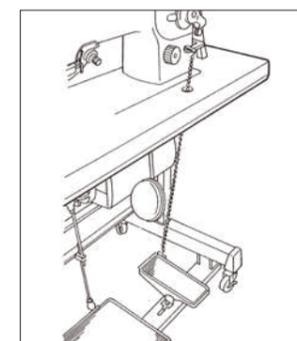
- 400-16408 Hook gib VS

## Parts for sewing with thick thread [Set part number] 40231250 <recommended needle: DPx5 #21, 134SUK Nm130>



- Knife unit 225-56054
- Presser foot (asm.) 225-80369
- Needle thread guide D1440-583-H00
- Thread tension disk (asm.) 400-17095

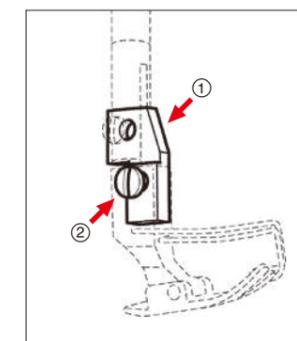
## Pedal-operated reverse feed stitching device (RF-1)



The device enables the operator to perform reverse feed stitching using the pedal without using the right hand.

- GRF010000B0 (asm.)

## Presser foot connecting components



The aforementioned parts are used when a lockstitching type presser foot is installed on the machine. Select a parts set of either the presser-bar changing type or the presser bar joining type, according to the type of presser foot of your machine.

- Presser foot connecting components
- ① B1551-586-000 Presser foot connecting foot
  - ② SS-7090910-TP Screw

## Other options

| Part No.    | Description                  | Feature  |
|-------------|------------------------------|--|
| 225-26578   | Hook with a hard blade point | Prevents the blade point of the hook from wearing out  |
| 229-07406   | Presser spring               | This is the spring which strongly holds down the material when sewing a heavy weight material. |
| B3129012A00 | Tension spring               | Tightly tensed seams can be produced by increasing the tension applied to the needle thread.   |
| 40135178    | Auxiliary Thread take-up Kit | Thread breakage and stitch skipping can be prevented by stabilizing the needle thread loops.   |
| 40273692    | AK-161                       | This is an automatic presser foot lifter device for retrofitting.                              |

# List of the major gauges

| Max. zigzag width / Max. feed pitch | Throat plate        | Feed dog                                  | Presser foot (with finger guard)   | Remarks  |
|-------------------------------------|---------------------|---|--|--|
|                                     | <b>10041010</b><br> | <b>10047017</b><br>                       | With a recess on the reverse side of the presser foot<br><b>22580369</b><br> |  |
|                                     | <b>10041101</b><br> | <b>22580104</b><br>                       | <b>10045052</b> (finger guard: small)<br>                                    |  |
|                                     | <b>22580005</b><br> | <b>22580500</b><br>                       | <b>22580260</b> Light-in-weight type<br>                                     |  |
|                                     | <b>22582100</b><br> | <b>22582209</b><br>                       | <b>22580765</b><br>  |  |
|                                     | <b>22582704</b><br> | <b>22582803</b><br>                       | <b>23503154</b> Light-in-weight type<br>                                     |  |
|                                     | <b>22582407</b><br> | <b>22581508</b><br>                       | <b>23503162</b> (finger guard: small)<br>                                    | • Suited to sewing tasks that require frequent changes in the needle throw position. |
|                                     | <b>22582506</b><br> | <b>22540009</b><br>                       | <b>23503253</b> Front fulcrum type<br>                                       | • Light-in-weight presser foot prevents jumping at the time of high-speed sewing.    |
|                                     | <b>22548804</b><br> | <b>10055051</b> (finger guard: small)<br> | <b>22580864</b><br>  |  |
|                                     | <b>22582506</b><br> | <b>22548965</b> Light-in-weight type<br>  | <b>10055051</b> (finger guard: small)<br>                                    |  |
|                                     | <b>22548804</b><br> | <b>MAB109000B0</b><br>                    | <b>22548965</b> Light-in-weight type<br>                                     |  |
|                                     | <b>22582506</b><br> | <b>22540009</b><br>                       | <b>MAB109000B0</b><br>   | Presser foot with tape guide   |
|                                     | <b>22545008</b><br> | <b>22545107</b><br>                       | <b>22545362</b> Light-in-weight type<br>                                     |  |
| <b>22545511</b><br>                 | <b>22545610</b><br> | <b>22545867</b><br>                       | Light-in-weight type with the front fulcrum                                  |  |

| Max. zigzag width / Max. feed pitch | Throat plate           | Feed dog                            | Presser foot (with finger guard)          | Remarks   |
|-------------------------------------|------------------------|-------------------------------------|---|---|
|                                     | <b>22548705</b><br>    | <b>22548804</b><br>                 | <b>22548960</b> Light-in-weight type<br>  |   |
|                                     | <b>22548507</b><br>    | <b>22548408</b><br>                 | <b>22547962</b> Light-in-weight type<br>  | • For standard zigzag stitching   |
|                                     | <b>22548010</b><br>    | <b>22548119</b> <b>22541601</b><br> | <b>22547970</b> (finger guard: small)<br> | • The 5mm-feed is suited to tape-attaching process where the elastic tape is sewn with stretched. |
|                                     | <b>22549000</b><br>    | <b>22549109</b> <b>22541809</b><br> | <b>22548663</b> Light-in-weight type<br>  |   |
|                                     | <b>22549208</b><br>    | <b>22549307</b> <b>22541700</b><br> | <b>22548671</b> (finger guard: small)<br> |   |
|                                     | <b>22546519</b><br>    | <b>22546717</b> <b>22546618</b><br> | <b>22546964</b> Light-in-weight type<br>  |   |
|                                     | <b>22546212</b><br>    | <b>22546410</b> <b>22546311</b><br> | <b>22547269</b><br>                       |   |
|                                     | <b>MAD04060000</b><br> | <b>MAD04070000</b><br>              | <b>MAD040500A0</b><br>                    | • For attaching tape to brassieres, etc.  |
|                                     | <b>22549604</b><br>    | <b>22549703</b><br>                 | <b>22549869</b> Light-in-weight type<br>  |   |

• In addition to the above-listed ones, many different gauges and attachments for zigzag stitching are available. Please contact us for details.

## DEVICES AND ATTACHMENTS

Existing devices, attachments and gauges for the conventional MO-6000 Series are applicable to the MO-6700DA Series.

| Model                                     | Part No.  | Description  |
|---|-----------|--|
| <b>● Chain-off thread trimming device</b> |           |  |
| T039                                      | 400-44155 | One-touch type tape cutter and chain-off thread trimming device (electromagnetic type) |
| T041S                                     | 400-60703 | Pneumatic flat cutter  |
| T042S                                     | 400-45967 | Pneumatic side cutter  |

| ● Pneumatic chain-off thread suction device |   |  |
|---|---|--|
| MC-4  | — | Specific to chain-off thread, pedal-operated |
| MC-5  | — | Specific to chain-off thread                 |
| MC-8  | — | Pneumatic chain-off thread + cloth chips     |
| MC-9  | — | Function of MC-8 + auto-lifter               |
| MC-24                                       | — | Pneumatic chain-off thread + cloth chips     |

The aforementioned devices are not equipped with air regulator.  
Please purchase the following components when you need to regulate air pressure.

|   |               |  |
|---|---------------|--|
| — | PF-0552010-B0 | Air regulator (F.R. unit asm.)                                       |
| — | GMD-01080000  | Fixing screw for F.R. unit asm. (2 pcs.)                             |
| — | F1021-003-000 | Tube connector (male)  |
| — | GAS-12063000  | One-touch connector<br>Selection parts instead of the tube connector |

| ● Auto-lifter |              |                                 |
|---------------|--------------|---------------------------------|
| AK32          | GAK-320000B0 | Pneumatic type (knee-operated)  |
| AK49          | GAK-490000A0 | Pneumatic type (pedal-operated) |
| AK101         | GAK-A01000A0 | Pneumatic type (for servomotor) |

| Model                     | Part No.     | Description  | Feature  |
|---------------------------|--------------|--|--|
| <b>● Gathering device</b> |              |  |  |
| S159                      | MAS-159000A0 | Swing-type gathering device (interlocked with pedal / for safety stitch machine) | The attachment opens with the presser foot pedal. This facilitates material setting on the machine. Furthermore, knee-control type differential-feed adjusting device is built in the attachment. It controls a differential-feed ratio as desired, thereby enabling the operator to make beautiful gathers. |
| S160                      | MAS-160000A0 | Swing-type gathering device (interlocked with pedal / for overlock machine)      |  |
| S161                      | MAS-161000A0 | Swing-type gathering device (manual-lever operated / for safety stitch machine)  | The attachment is used to perform two different processes, joining fabric process and gathering process, at a time.  |
| S162                      | MAS-162000A0 | Swing-type gathering device (manual-lever operated / for overlock machine)       | The attachment can be opened/closed by using the lever (manually operated). The differential-feed ratio is controlled with the knee lever.   |

| ● Blind hemming device |              |                                 |   |
|------------------------|--------------|---------------------------------|---|
| L121                   | MAL-121000A0 | Blind stitch hemming attachment | A ruler used for blind hemming in knits |

| ● Piping folder |              |   |   |
|-----------------|--------------|---|---|
| M056            | MAM-0560J0A0 | Piping folder                             | This piping folder makes a piping first, then turns up the tape.  |
| M075            | MAM-0750J0A0 | Piping folder (to be used with knit tape) | This attachment can be used for both "cotton bias tape with gimp and knit tape". The operation mode can be changed over with a fingertip control. |
| M076            | MAM-0760N0A0 | Ready-made piping folder                  | The dimension of ready-made tapes can be adjusted within the range of 8 to 13mm.  |

| ● Guide, Ruler |              |  |   |
|----------------|--------------|--|---|
| H153           | MAH-153000A0 | Cloth edge guide ruler (for overlock machine)      | A swing type edge guide.  |
| H154           | MAH-154000A0 | Cloth edge guide ruler (for safety stitch machine) |   |
| Q141           | MAQ-141000B0 | Tape guide   | This attachment is used attached on the machine head (face plate). It is used for tapes with the width of 7mm or less.  |
| S084D          | MAS-084000AD | Pattern guide                                      | For overedging sharp-curved sleeve bottom plackets. With the guide, the machine sews the curved part of sleeve bottom plackets smoothly along the presser foot guide pin. |

| ● Feller, Binder |              |  |  |
|------------------|--------------|--|--|
| N067             | MAN-0670D0A0 | Reinforcement tape attachment binder (finished width: 4mm) | This binder binds the edge of a pocket bag while cutting round its periphery.            |
| N077             | MAN-0770F0A0 | Clean finish top and bottom (finished width: 5mm)          | This binder runstitches a pocket bag and binding its periphery with tape simultaneously. |

| ● Miscellaneous |              |   |  |
|-----------------|--------------|---|--|
| Z195            | 400-33882    | Pneumatic chain-off thread suction device (for 1-needle machines) | Simplified device for tucking chain-off thread sewn at the beginning of sewing in overlocked seams. (chain-off thread lower clamping method) |
| —               | 131-62557    | Needle cooler unit asm.   | Needle cooler<br>By silicon oil lubricating unit for the needle thread.  |
|                 | SS-4091015SP | Screw   |  |
|                 | WP-0371026SD | Washer  |  |
|                 | SS-7110840SP | Screw   |  |
|                 | 131-63159    | Needle cooler unit asm.   |  |
|                 | SS-4091015SP | Screw   |  |
| —               | 131-63902    | Presser   | Needle thread heat remover<br>By silicon oil lubricating unit for the needle thread.   |
|                 | 131-63456    | Silicon tank asm.   |  |
|                 | 131-63803    | Felt  |  |
|                 | TA-0950806R0 | Rubber plug   |  |
|                 | SM-4040855SP | Screw   |  |
|                 |              |   |  |

### [Reference]

Combination table of "chain-off thread suction device" and "auto-lifter" which correspond to "chain-off thread trimming device":

| Chain-off thread trimming device | Chain-off thread suction device | Auto-lifter                            |
|----------------------------------|---------------------------------|--|
| T039                             | MC-8                            | AK101 (JUKI servomotor)                |
|                                  | MC-9                            | — (MC-9 is equipped with auto-lifter.) |
| T041S or T042S                   | MC-4                            | —                                      |
|                                  | MC-8                            | AK101 (JUKI servomotor)                |
|                                  | MC-9                            | — (MC-9 is equipped with auto-lifter.) |

# MO-6700DA Series

Semi-dry-head, High-speed, Overlock / Safety Stitch Machine

# JUKI



Semi-dry-head

Maximum sewing speed is increased to **7,000 sti/min**



# MO-6700DA Series

JUKI's dry-head technology protects the sewing products from oil stains.

## SPECIFICATIONS

| Model name                         | MO-6704DA   | MO-6714DA          | MO-6716DA                  |
|------------------------------------|---|--------------------|----------------------------|
| Stitch type                        | 1-needle overlock   | 2-needle overlock  | Safety stitching           |
| Stitch style in the U.S.A.         | 504   | 514                | 516                        |
| Max. sewing speed                  | 7,000sti/min  |                    |                            |
| Stitch length                      | 0.8~4mm   |                    | 1.5~4mm                    |
| Needle gauge (mm)                  | —   | 2.0, 3.2           | 3.2, 4.8, 4.8+2.0, 3.2+2.0 |
| Overedging width (mm)              | 1.6, 3.2, 4.0, 4.8  | 2.0, 3.2, 4.0, 4.8 | 3.2, 4.0, 4.8, 6.4         |
| Bottom differential feed ratio     | For gathering 1:2 (Max. 1:4), For stretching 1:0.7 (Max. 1:0.6)                             |                    |                            |
| Needle bar stroke                  | 24.5mm  |                    |                            |
| Inclination angle of the needle    | 20°   |                    |                            |
| Needle mechanism                   | Needle bar method and upper/lower bushing   |                    |                            |
| Needle                             | DC×27 (excluding some subclass model)   |                    |                            |
| Max. lift of the presser foot      | 7mm (excluding some subclass model)   |                    |                            |
| Max. presser foot pressure         | 63.7N (6.5kgf)  |                    |                            |
| Stitch adjusting method            | By push-button  |                    |                            |
| Differential-feed adjusting method | By lever (with micro-adjustment)  |                    |                            |
| Weight of the machine head         | 28kg  |                    |                            |
| Lubrication                        | Automatic (The needle bar mechanism and upper looper mechanism do not require lubrication.) |                    |                            |
| Lubricating oil                    | JUKI Machine Oil 18 (equivalent to ISO VG18)  |                    |                            |
| Needle cooler                      | Option  |                    |                            |
| Needle thread heat remover         | Option  |                    |                            |
| Micro-lifter                       | Provided as standard  |                    |                            |

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

## WHEN YOU PLACE ORDERS

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

| Stitch type                         | U.S.A | Code |
|-------------------------------------|-------|------|
| 1-needle overlock                   | 504   | 04   |
| 1-needle overlock for blind hemming | 505   | 05   |
| 2-needle imitation safety stitch    | 512   | 12   |
| 2-needle overlock                   | 514   | 14   |
| 2-needle safety stitch              | 516   | 16   |
| 3-needle safety stitch              |       | 43   |
| 2-needle double chain stitch        |       | 45   |

| Type          | Code |
|---------------|------|
| Semi-dry-head | D    |

| Device and attachment  | Code     |
|--|----------|
| Tape attaching presser foot (for sewing sharp curves) / Tape guide               | G39/Q141 |
| Blind stitch hemming attachment  | L121     |
| Swing-type gathering device (interlocked with pedal / for safety stitch machine) | S159     |
| Swing-type gathering device (manual-lever operated / for overlock machine)       | S162     |
| Clean finish top and bottom  | N077     |
| Latch for changing overedging width  | E35      |

| Needle gauge (mm) | Overedging width (mm) | Feed dog | Code | Material                     | Application                                     | Special machine               | Code                          |     |
|-------------------|-----------------------|----------|------|------------------------------|---|-------------------------------|-------------------------------|-----|
| —                 | 1.6                   | 2-row    | 0A4  | Extra light- to light-weight | Rolled hemming                                  | Standard                      | 150                           |     |
| —                 | 1.6                   | 1-row    | 0A5  |                              | Light-weight materials such as men's shirts     | Runstitching                  | Upper looper high throw       | 207 |
| —                 | 3.2                   | 2-row    | 0D4  |                              | Tape attaching                                  | Upper looper extra high throw | 24H                           |     |
| —                 | 4.0                   | 2-row    | 0E4  | Light- to medium-weight      | Specific to knits                               | Runstitching                  | Upper looper extra high throw | 20H |
| —                 | 4.8                   | 3-row    | 0F6  |                              |   | Blind hemming                 | Standard                      | 210 |
| 2.0               | 2.0                   | 3-row    | BB6  |                              |   | Runstitching                  | Standard                      | 300 |
| 2.0               | 3.2                   | 3-row    | BD6  |                              | Runstitching                                    | Upper looper high throw       | 307                           |     |
| 2.0               | 4.0                   | 3-row    | BE6  |                              | Gathering                                       | Upper looper high throw       | 327                           |     |
| 3.2               | 4.0                   | 2-row    | DE4  |                              | For general fabrics                             | Tape attaching                | Upper looper high throw       | 347 |
| 3.2               | 4.0                   | 3-row    | DE6  | Tape attaching               |   | Upper looper extra high throw | 34H                           |     |
| 3.2               | 4.8                   | 2-row    | DF4  | Rolling-in tape              |   | Standard                      | 360                           |     |
| 4.8               | 4.8                   | 2-row    | FF4  | Medium- to heavy-weight      | Runstitching                                    | Anti-material-slip            | 30P                           |     |
| 4.8               | 4.8                   | 3-row    | FF6  |                              | Specific to knits such as sweaters              | Runstitching                  | Upper looper extra high throw | 40H |
| 4.8               | 6.4                   | 3-row    | FH6  |                              |   | Gathering                     | Upper looper extra high throw | 42H |
| 4.8+2.0           | 3.2                   | 3-row    | 1D6  |                              |   | Tape attaching                | Upper looper extra high throw | 44H |
| 3.2+2.0           | 3.2                   | 3-row    | 2D6  |                              | Medium- to heavy-weight materials such as denim | Runstitching                  | Swim suits                    | 50F |
|                   |                       |          |      |                              |   | Runstitching                  | Upper looper extra high throw | 50H |
|                   |                       |          |      |                              |   |                               |                               |     |

● To order, please contact your nearest JUKI distributor.



# JUKI

JUKI CORPORATION  
SEWING MACHINERY & SYSTEMS BUSINESS UNIT

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http://www.juki.com

\* 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.

# MO-6700DA Series

Best selling machine to eliminate oil stains on the sewing product.

JUKI's cutting-edge dry-head technology has been introduced to the MO-6700S, which has an established reputation for its excellent seam quality and higher productivity.

Only the parts which mainly contribute to oil splashes are improved to have dry mechanisms to create the semi-dry-head overlock machine, MO6700DA series. The MO-6700DA Series is the best selling machine to eliminate oil stains on the sewing product.



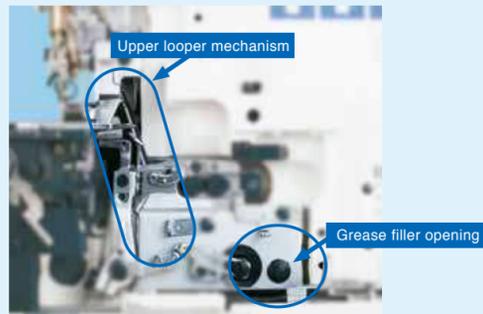
MO-6714DA

## Oil stains on the sewing product are eliminated.

- Oil splashes are substantially reduced to eliminate oil stains on sewing products, thereby upgrading the finished quality.
- The frequency of stain removal or re-sewing is reduced.
- The machine achieves a practical maximum sewing speed of 7,000sti/min.

## Cutting-edge dry technology for achieving a lubrication-free mechanism.

- The needle bar mechanism and upper looper mechanism have been re-designed to require no lubrication.
- The most-advanced dry technologies, such as the special surface treatment applied to the major drive unit and the grease feeding method, contribute to higher durability. The machine does not splash oil after a long-period of use. The grease filler openings are newly provided for the sewing machine on two locations, i.e., one on the upper looper component and the other on the sewing machine frame, thereby improving maintainability.



### JUKI ECO PRODUCTS

The MO-6700DA 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.

## SUBCLASS MACHINE LIST

A variety of subclass machines is available.

| Seams | Model No. | Materials | Number of needles | Number of threads | Needle gauge (mm) | Overedging width (mm) | Number of feed dog rows | Stitch length (mm) | Bottom differential-feed ratio | Presser lifting amount (mm) | Needle system | Max. sewing speed (sti/min) | Remarks |
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|

### <1-needle overlock>

#### For runstitching in general fabric

|       |                   |     |   |   |   |     |   |   |           |   |           |       |                                    |
|-------|-------------------|-----|---|---|---|-----|---|---|-----------|---|-----------|-------|------------------------------------|
| Seams | MO-6704DA-0E4-300 | L~M | 1 | 3 | — | 4.0 | 2 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 | Upper looper high throw type       |
|       | MO-6704DA-0E4-307 |     | 1 | 3 | — | 4.0 | 2 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |
|       | MO-6704DA-0F4-307 |     | 1 | 3 | — | 4.8 | 2 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6704DA-0E4-40H | M~H | 1 | 3 | — | 4.0 | 2 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 | Upper looper extra high throw type |
|       | MO-6704DA-0F6-50H |     | 1 | 3 | — | 4.8 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |

#### For blind hemming L121: Blind stitch hemming attachment

|       |                        |     |   |   |   |     |   |   |           |     |          |       |  |
|-------|------------------------|-----|---|---|---|-----|---|---|-----------|-----|----------|-------|--|
| Seams | MO-6705DA-0D4-210/L121 | L~M | 1 | 3 | — | 3.2 | 2 | 4 | 1:0.7~1:2 | 5.5 | DC×27 #9 | 7,000 |  |
|-------|------------------------|-----|---|---|---|-----|---|---|-----------|-----|----------|-------|--|

#### For rolled hemming (folded downward)

|       |                   |      |   |   |   |     |   |   |           |   |         |       |  |
|-------|-------------------|------|---|---|---|-----|---|---|-----------|---|---------|-------|--|
| Seams | MO-6704DA-0A4-150 | EL~L | 1 | 3 | — | 1.6 | 2 | 4 | 1:0.7~1:2 | 5 | DC×1 #8 | 7,000 |  |
|       | MO-6704DA-0A5-150 |      | 1 | 3 | — | 1.6 | 1 | 4 | 1:0.7~1:2 | 5 | DC×1 #8 | 7,000 |  |

### <2-needle overlock>

#### For runstitching in general fabric

|       |                   |      |   |   |     |     |   |   |           |     |           |       |                                    |
|-------|-------------------|------|---|---|-----|-----|---|---|-----------|-----|-----------|-------|------------------------------------|
| Seams | MO-6714DA-BD6-207 | EL~L | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #9  | 7,000 | Upper looper high throw type       |
|       | MO-6714DA-BE6-207 |      | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #9  | 7,000 |                                    |
|       | MO-6714DA-BD6-307 |      | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6714DA-BE6-307 | L~M  | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 | Upper looper extra high throw type |
|       | MO-6714DA-BE6-20H |      | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #9  | 7,000 |                                    |
|       | MO-6714DA-BE6-40H |      | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6712DA-DF6-50F | M~H  | 2 | 4 | 3.2 | 4.8 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #14 | 7,000 | For swim suits                     |
|       | MO-6714DA-BB6-30P |      | 2 | 4 | 2.0 | 2.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6714DA-BD6-30P | L~M  | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 | Anti-material-slip                 |
|       | MO-6714DA-BE6-30P |      | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 |                                    |

#### For gathering S162: Swing-type gathering device (manual-lever operated)

|       |                        |     |   |   |     |     |   |     |             |   |           |       |                              |
|-------|------------------------|-----|---|---|-----|-----|---|-----|-------------|---|-----------|-------|------------------------------|
| Seams | MO-6714DA-BE6-327/S162 | L~M | 2 | 4 | 2.0 | 4.0 | 3 | 3.2 | 1:0.9~1:2.6 | 6 | DC×27 #11 | 7,000 | Upper looper high throw type |
|-------|------------------------|-----|---|---|-----|-----|---|-----|-------------|---|-----------|-------|------------------------------|

#### For tape attaching G39: Tape attaching presser foot Q141: Tape guide

|       |                            |     |   |   |     |     |   |   |           |   |           |       |                                    |
|-------|----------------------------|-----|---|---|-----|-----|---|---|-----------|---|-----------|-------|------------------------------------|
| Seams | MO-6714DA-BD6-24H/G39/Q141 | L~M | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #9  | 7,000 | Upper looper extra high throw type |
|       | MO-6714DA-BE6-24H/G39/Q141 |     | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #9  | 7,000 |                                    |
|       | MO-6714DA-BD6-347/G39/Q141 |     | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6714DA-BE6-347/G39/Q141 | M~H | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 | Upper looper high throw type       |
|       | MO-6714DA-BD6-34H/G39/Q141 |     | 2 | 4 | 2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |
|       | MO-6714DA-BE6-34H/G39/Q141 |     | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6714DA-BE6-44H/G39/Q141 |     | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #14 | 7,000 | Upper looper extra high throw type |
|       |                            |     | 2 | 4 | 2.0 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7 | DC×27 #11 | 7,000 |                                    |



Blind hemming  
MO-6705DA-0D4-210/L121  
(L121: Blind stitch hemming attachment)



Gathering  
MO-6714DA-BE6-327/S162  
(S162: Swing-type gathering device, manual-lever operated)



Rolling in tape  
MO-6745DA-FF4-360/N077  
(N077: Clean finish top and bottom)

| Seams | Model No. | Materials | Number of needles | Number of threads | Needle gauge (mm) | Overedging width (mm) | Number of feed dog rows | Stitch length (mm) | Bottom differential-feed ratio | Presser lifting amount (mm) | Needle system | Max. sewing speed (sti/min) | Remarks |
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|

### <Safety stitching>

#### For runstitching in general fabric E35: Latch for changing overedging width

|       |                       |     |   |   |     |     |   |   |           |     |           |       |                                    |
|-------|-----------------------|-----|---|---|-----|-----|---|---|-----------|-----|-----------|-------|------------------------------------|
| Seams | MO-6716DA-DE4-300     | L~M | 2 | 5 | 3.2 | 4.0 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 | Upper looper high throw type       |
|       | MO-6716DA-DE6-307     |     | 2 | 5 | 3.2 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
|       | MO-6716DA-DF4-307     |     | 2 | 5 | 3.2 | 4.8 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6716DA-DE4-40H     | M~H | 2 | 5 | 3.2 | 4.0 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 | Upper looper extra high throw type |
|       | MO-6716DA-DE4-40H/E35 |     | 2 | 5 | 3.2 | 4.0 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
|       | MO-6716DA-DF4-40H     |     | 2 | 5 | 3.2 | 4.8 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6716DA-DE6-40H     |     | 2 | 5 | 3.2 | 4.0 | 3 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 | Upper looper high throw type       |
|       | MO-6716DA-FF6-307     |     | 2 | 5 | 4.8 | 4.8 | 3 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
|       | MO-6716DA-FF6-40H     |     | 2 | 5 | 4.8 | 4.8 | 3 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |
| Seams | MO-6716DA-FF6-50H     |     | 2 | 5 | 4.8 | 4.8 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #16 | 7,000 | Upper looper extra high throw type |
|       | MO-6716DA-FH6-50H     |     | 2 | 5 | 4.8 | 6.4 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #16 | 7,000 |                                    |
| Seams | MO-6716DA-DE4-30P     | L~M | 2 | 5 | 3.2 | 4.0 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 | Anti-material-slip                 |
|       | MO-6716DA-FF4-30P     |     | 2 | 5 | 4.8 | 4.8 | 2 | 4 | 1:0.7~1:2 | 7   | DC×27 #11 | 7,000 |                                    |

#### For gathering S159: Swing-type gathering device (interlocked with pedal)

|       |                        |     |   |   |     |     |   |     |             |   |           |       |                                    |
|-------|------------------------|-----|---|---|-----|-----|---|-----|-------------|---|-----------|-------|------------------------------------|
| Seams | MO-6716DA-FF6-42H/S159 | M~H | 2 | 5 | 4.8 | 4.8 | 3 | 3.2 | 1:0.9~1:2.6 | 6 | DC×27 #14 | 7,000 | Upper looper extra high throw type |
|-------|------------------------|-----|---|---|-----|-----|---|-----|-------------|---|-----------|-------|------------------------------------|

#### For rolling-in tape N077: Clean finish top and bottom

|       |                        |     |   |   |     |     |   |   |           |   |           |       |   |
|-------|------------------------|-----|---|---|-----|-----|---|---|-----------|---|-----------|-------|---|
| Seams | MO-6745DA-FF4-360/N077 | L~M | 2 | 4 | 4.8 | 4.8 | 2 | 4 | 1:0.7~1:2 | 5 | DC×27 #11 | 7,000 | 2-needle type for double-chainstitch on pocket bags |
|-------|------------------------|-----|---|---|-----|-----|---|---|-----------|---|-----------|-------|---|

#### 3-needle safety stitching

|       |                   |     |   |   |         |     |   |   |           |     |           |       |                                    |
|-------|-------------------|-----|---|---|---------|-----|---|---|-----------|-----|-----------|-------|------------------------------------|
| Seams | MO-6743DA-1D6-40H | M~H | 3 | 6 | 4.8+2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 | Upper looper extra high throw type |
|       | MO-6743DA-2D6-40H |     | 3 | 6 | 3.2+2.0 | 3.2 | 3 | 4 | 1:0.7~1:2 | 6.5 | DC×27 #11 | 7,000 |                                    |

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

## Anti-material-slip type

The sewing machine is fully equipped with adjusting devices and provisions to effectively prevent puckering of difficult-to-sew materials or new-generation materials. The operator is able to produce beautifully finished high-quality seams without conducting difficult adjustments.

- The locus of feed and feed timing are selected to offer optimum conditions for sewing light-weight materials.
- The machine comes as standard with a low-pressure presser foot that is exclusively designed for light-weight materials and is able to remarkably handle small curves of the material. The presser foot helps the operator control lighter-weight material smoothly on the machine.

MO-6714DA-□□□-30P  
MO-6716DA-□□□-30P

- The feed mechanism feeds double chainstitch looper thread with consistency, even under a low tension. (Safety stitch machine)

