

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	Racleur et Marche arrière		Code	Voltage	Code
Léger - Moyen	S	Racleur	Marche arrière		Monophasé 220V (CE)	N
Lourd	H	Non inclus	Inclus	0B		
		Inclus	Inclus	NB		

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.

JUKI CORPORATION 2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN

SEWING MACHINERY & SYSTEMS BUSINESS UNIT PHONE: (81) 42-357-2370 FAX: (81) 42-357-2274 <https://www.juki.co.jp/en>

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* 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)



DDL-8000CSMNBK

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.



MS
CM001



EMS
ISO14001
JSAE38P

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.

JUKI JUKICORPORATION UNITÉ D'AFFAIRES MACHINES ET SYSTÈMES DE COUTURE

2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN PHONE : (81) 42-357-2370 FAX : (81) 42-357-2274 <https://www.juki.co.jp/en>

* Les spécifications et l'apparence peuvent être modifiées sans préavis à des fins d'amélioration. * Lire le manuel d'instructions avant de mettre la machine en service afin de garantir la sécurité.

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.



Mécanisme de coupe fils plus courts

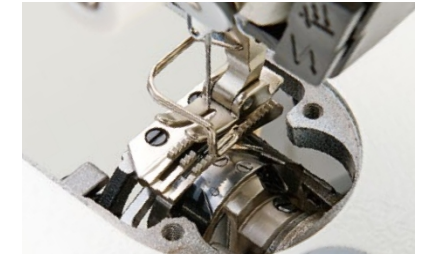
La longueur de fil restant sur le tissu à la fin de la couture est de 3,5 mm.

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

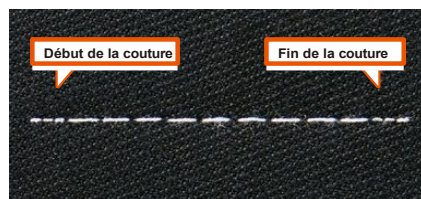
Système de contrôle de la longueur de l'alimentation électrique (EFLeCS) avec un pas numérique

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.

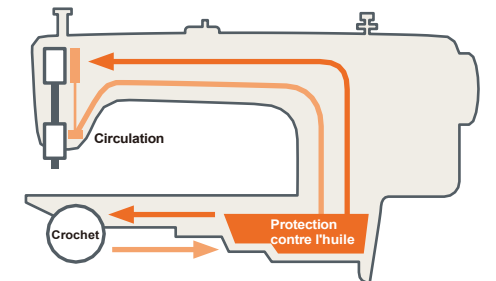
Points variés



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

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

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

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.



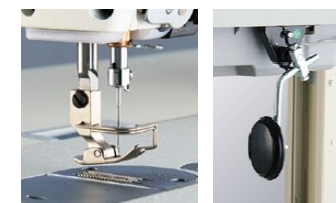
Dispositif de pince-fil

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



JUKI ECO PRODUCTS

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JAB
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JSAE389

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
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JUNE, 2023 Printed in Japan(TN)

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

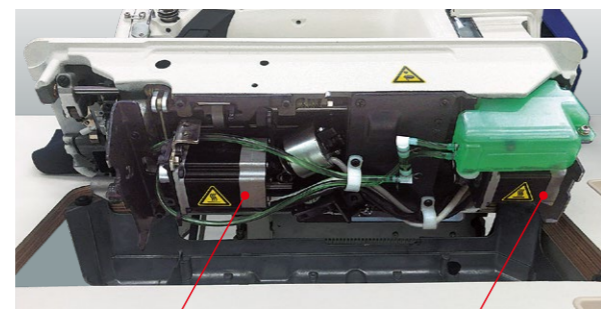
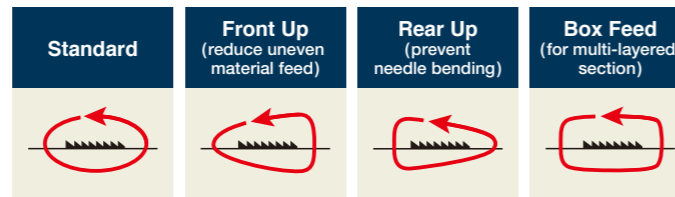
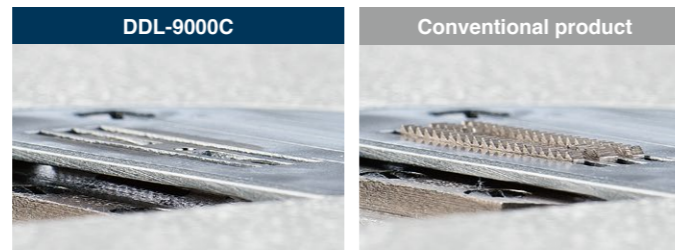
World first

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

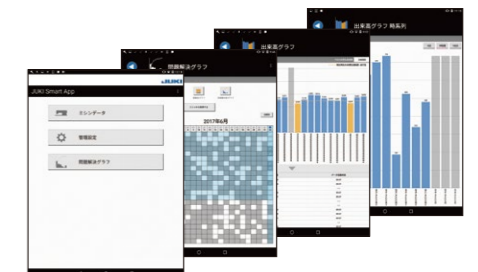
In the application, there are items of management setting (terminal registration), sewing machine data (sewing data), problem-solution chart. In the problem-solution chart, we can generate production graphs, the availability chart, etc. for each acquired sewing machine data so it can be used for checking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



USB Port

Hand wheel with fin (New type)



Digital functions which accentuate excellent “seam” quality

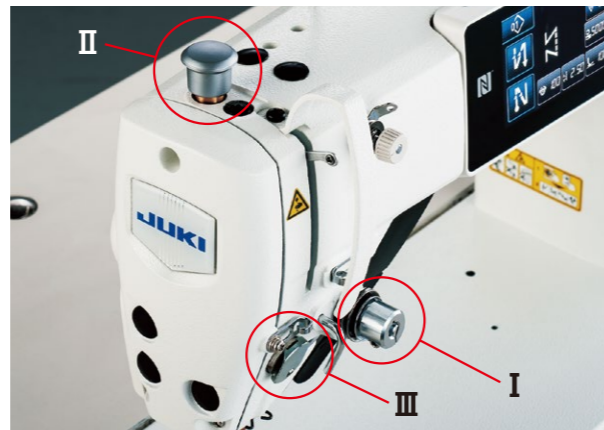
I. Adoption of the needle-thread active tension Needle tension is digitally controlled **Premium Digital**

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.

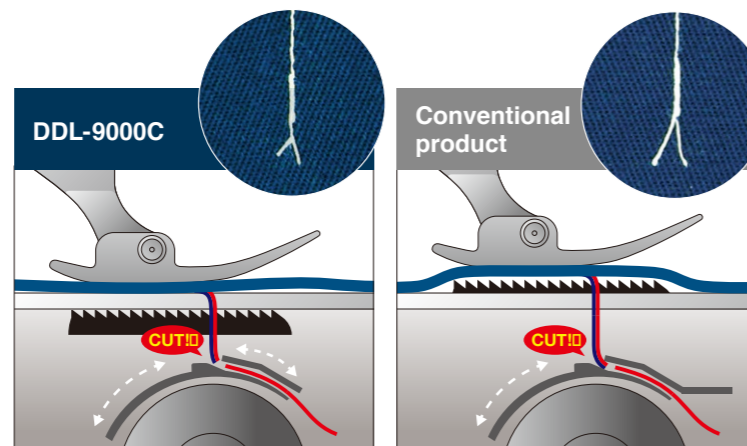
This expands the area around the needle entry, thereby allowing the use of various gauge components.

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.

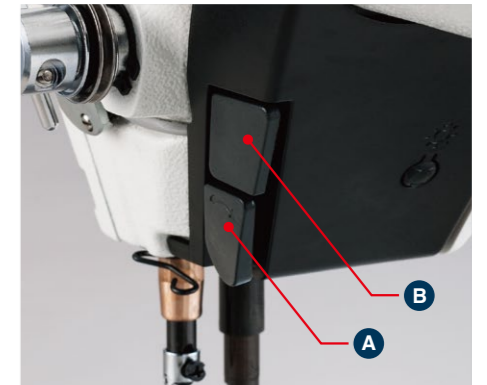


Thread remaining amount is less than 3mm (wrong side)

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**

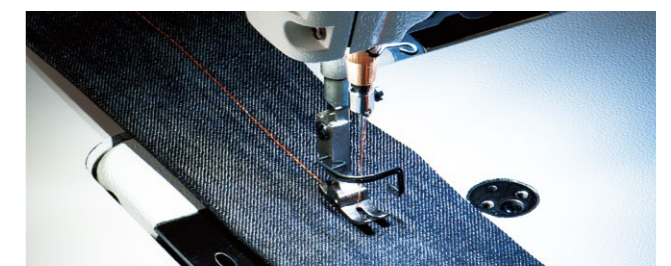
The operator carries out fine adjustment of correction sewing (within the stitch length of 1 pitch) using the reverse feed lever, thereby achieving “further improved seam quality”.



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

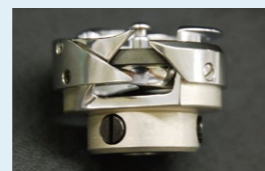
■ Non-lubricated hook 22890206

■ 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 Premium Digital			Digital Type Digital	
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) #9~18 (Nm65~110)		DB×1・DB×5 (#21) #20~23 (Nm125~160)	DB×1・DB×5 (#11) #9~18 (Nm65~110)	DB×1・DB×5 (#21) #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.



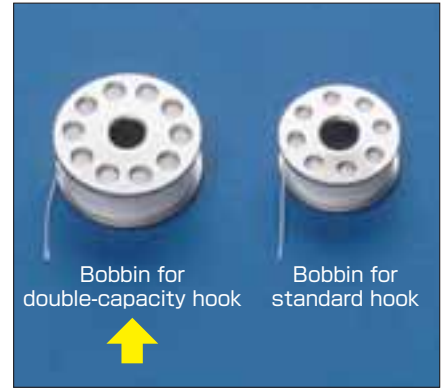
The maximum stitch length is 9mm

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** (Part No.: 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 For JE:134 (Nm90) Nm65~Nm110	DBx1 (#21) #20~#23 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:

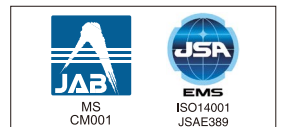
Machine head **DLN9010AS**

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

2-11-1, TSURUMAKI, TAMA-SHI,
TOKYO 206-8551, JAPAN
PHONE: (81) 42-357-2370
FAX: (81) 42-357-2274
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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.
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* 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.

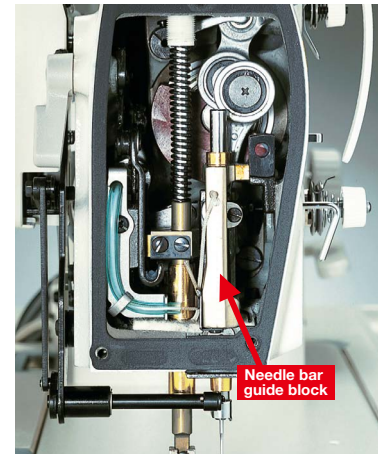
Thanks to the adoption of the most advanced compact AC servomotor, which has been utilized in the DDL-9000B, as well as employing the new model control box SC-920A, the DLN-9010A achieves a substantial labor-saving equivalent to that of the DDL-9000B.

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.

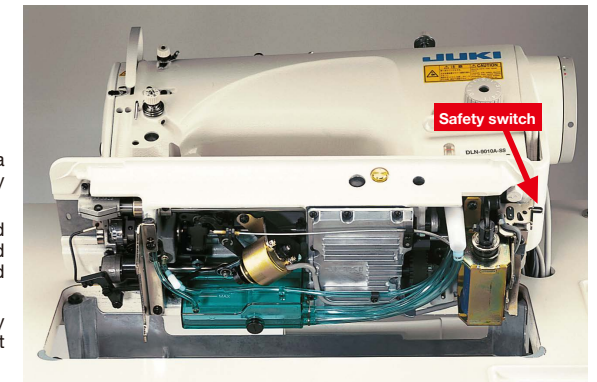
The machine is installed with a highly reliable needle feed mechanism.

- 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

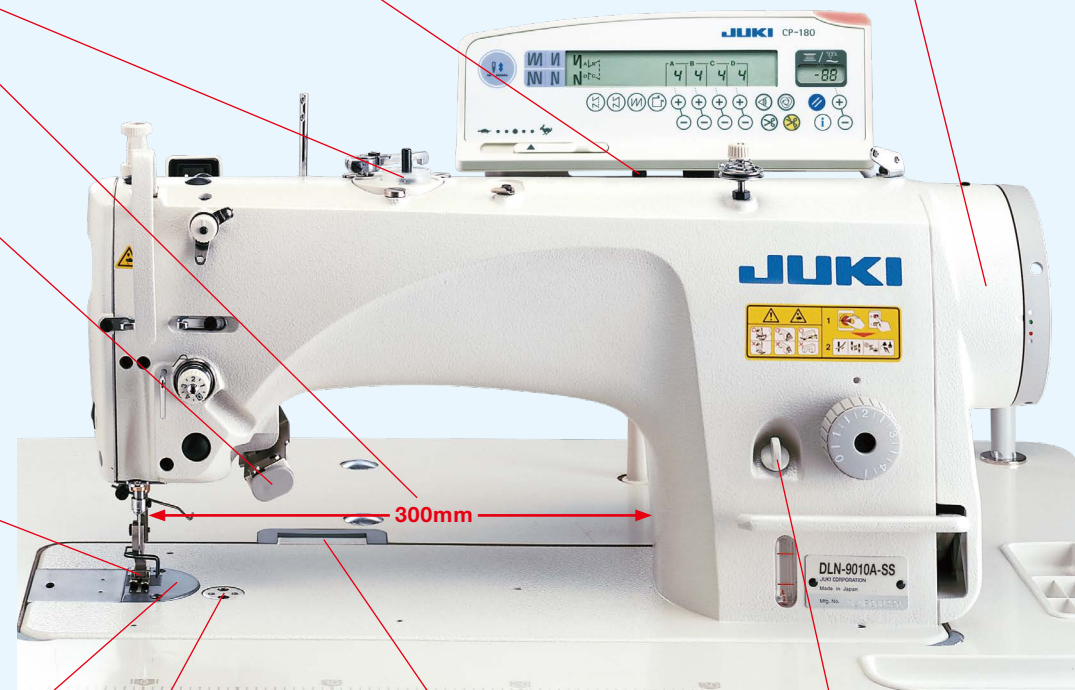
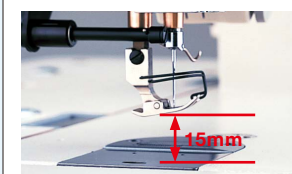
With its wider area under the arm (300mm), the machine permits easy handling of the sewing material for improved operability.

● 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%.

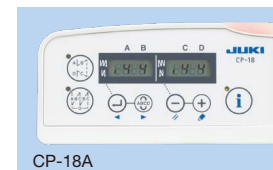


The operation panel can be selected according to the process.

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>

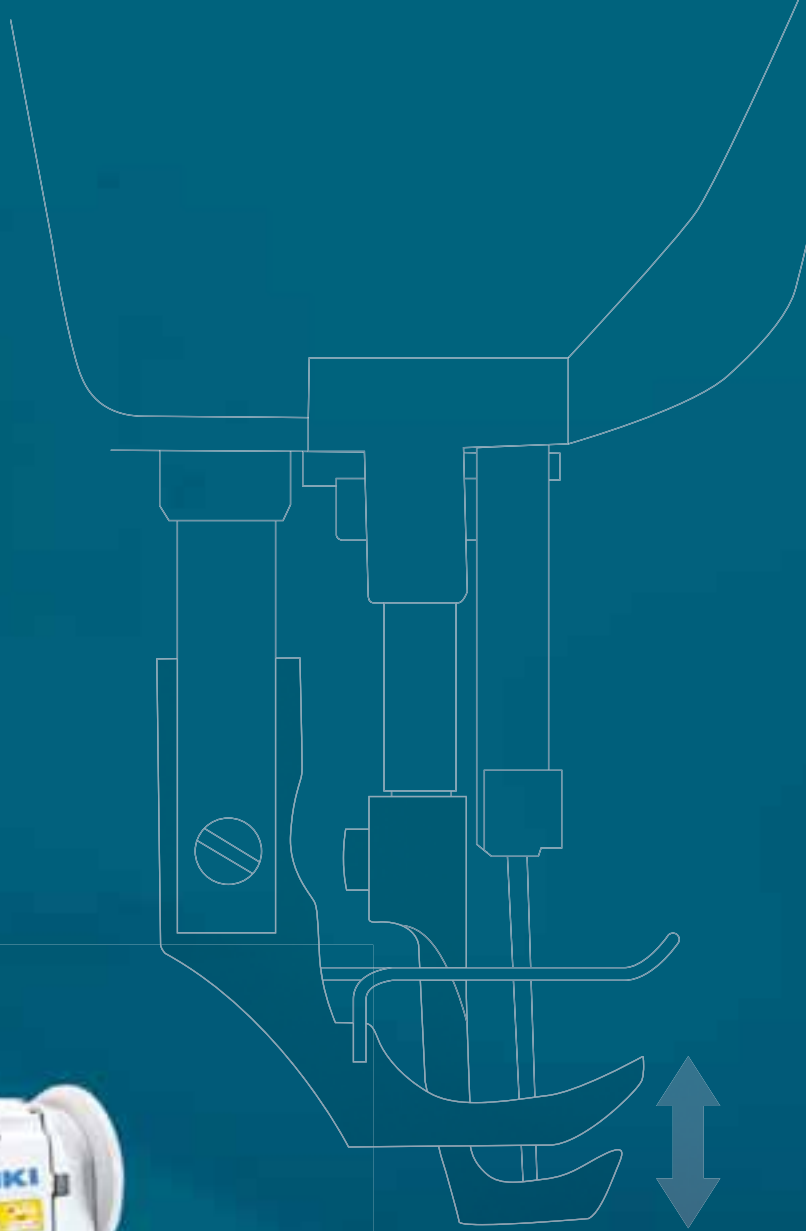
*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six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

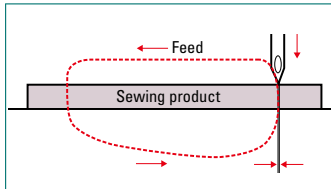
DNU-1541S (with safety mechanism)

DNU-1541-7 (with automatic thread trimmer)

Excellent sewing capabilities and feed performance.

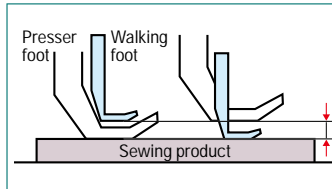
With its larger needlebar stroke, higher presser foot lift, and newly adopted double-tension mechanism, the machine offers excellent sewing capabilities and responsiveness.

Rectangular feed



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

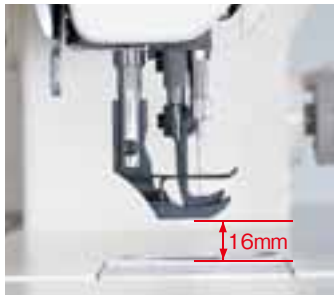
Alternating vertical movement mechanism



•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.

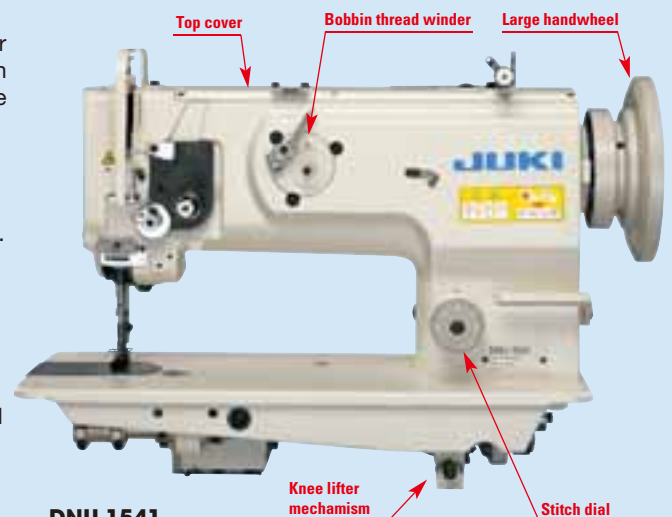
The stitch length can be easily selected by the stitch dial. The machine's enhanced operability features include a clear view of the area around the needle, placement of the bobbin thread winder on the front face of the machine arm, and a large handwheel ($\phi 160\text{mm}$).

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 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 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 DNU-1541S	Automatic reverse feed function	—	○	—
	Pneumatic auto-lifter	AK147C	—	—
		AK147D	—	—
	Pneumatic auto-lifter+ Automatic reverse feed function	AK147A	○	—
AK147B		○	—	
DNU-1541-7	Pneumatic auto-lifter+ Automatic reverse feed function	AK147F	Provided as standard	—
		AK147G		—
	Pneumatic auto-lifter+ Automatic reverse feed function+ 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 ²), 0.3Nℓ/min
Motor output	750W		
Power requirement	-		Single-phase 100~120V, 200~240V 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.



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.

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.

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) 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.
	<ul style="list-style-type: none"> 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 <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. 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>

MS CM001	EMS ISO14001 JSAE389
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

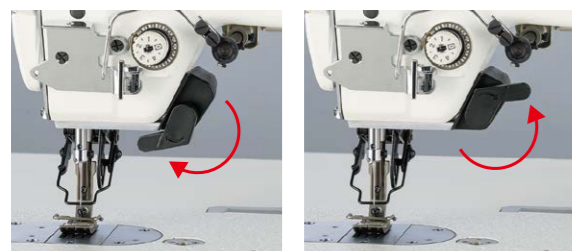
Direct drive system that is directly coupled with the main shaft is adopted. The direct motor provides increased energy savings and improved responsiveness, thereby achieving the improved features of the sewing machine such as enhanced start-up and stopping accuracy.

USB port

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



USB port



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.



Jump sewing process



Label sewing process



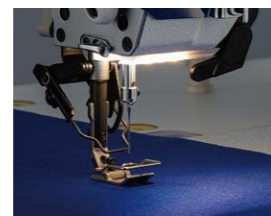
Operation panel for the sewing machine without thread trimmer



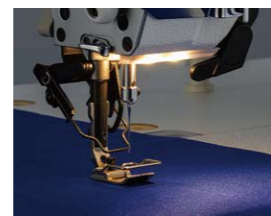
Operation panel for the sewing machine with thread trimmer

LED hand light Reduction of the operator's fatigue

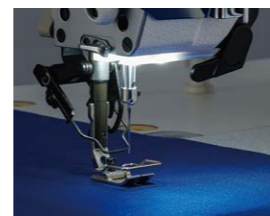
The LED light is provided as standard under the machine arm jaw. The sewing machine is installed with the color tone variable type LED light that permits adjustment of the daytime white color and light bulb color. The color tone of the LED light can be adjusted in accordance with the sewing product or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



Mixed color



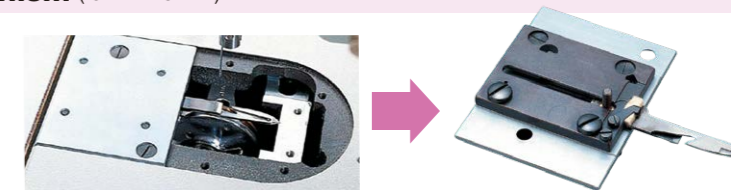
Light bulb color



White color

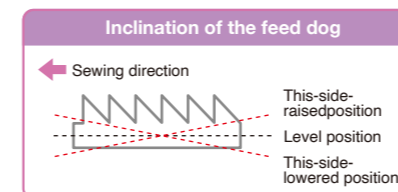
JUKI's unique thread trimming mechanism (for LZ-2284B-7)

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

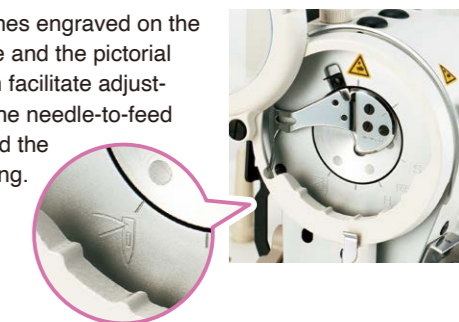


The feed mechanism has been improved by widening the adjustable range of the height and inclination of the feed dog. The feed locus has been optimized while placing great emphasis on the feed locus at the moment the needle penetrates the material to form a stitch. The weight of the feed mechanism has 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 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

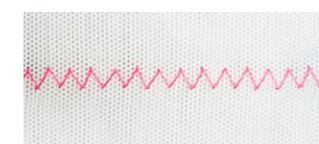


Two kinds of gauges can be selected in accordance with the application of the machine: an A-type gauge with a zigzag width of 5 mm, and a B-type gauge with a zigzag width of 8 mm.

Zigzag width: 5 mm

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

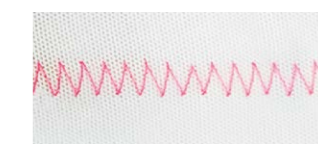
LZ-2280BA



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



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.

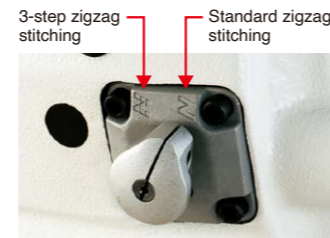


LZ-2284B7WBAK

LZ-2284B



LZ-2284B0B



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



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.



LZ-2287B0B

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>



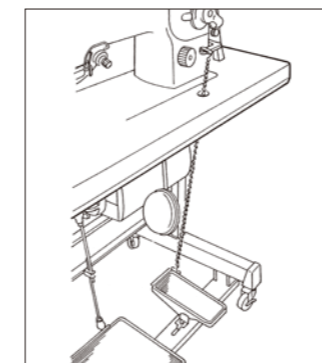
Knife unit
225-56054

Presser foot (asm.)
225-80369

Needle thread guide
D1440-583-H00

Thread tension disk (asm.)
400-17095

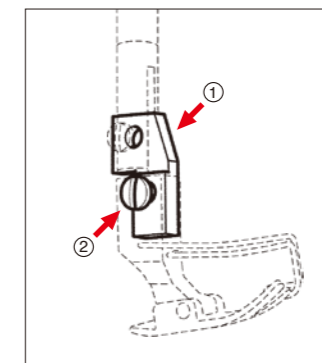
Pedal-operated reverse feed stitching device (RF-1)



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
	10041010 	10047017 	With a recess on the reverse side of the presser foot 22580369 	
	10041101 	22580104 	10045052 (finger guard: small) 	
	22580005 	22580500 	Light-in-weight type with the front fulcrum 22580765 	
	22582100 	22582209 		
	22582704 	22582803 	23503154 Light-in-weight type 	• Suited to sewing tasks that require frequent changes in the needle throw position.
	22582407 	22581508 	23503162 (finger guard: small) 23503253 Front fulcrum type 	• Light-in-weight presser foot prevents jumping at the time of high-speed sewing.
	22582506 	22548804 	22580864 	
	22545008 	22540009 	10055051 (finger guard: small) 22584965 Light-in-weight type 	
	22545511 	MAB109000B0 	MAB109000B0 Presser foot with tape guide 	
	22545107 	22545362 Light-in-weight type 	22545362 Light-in-weight type 	
	22545610 	22545867 	22545867 Light-in-weight type with the front fulcrum 	

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

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

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.



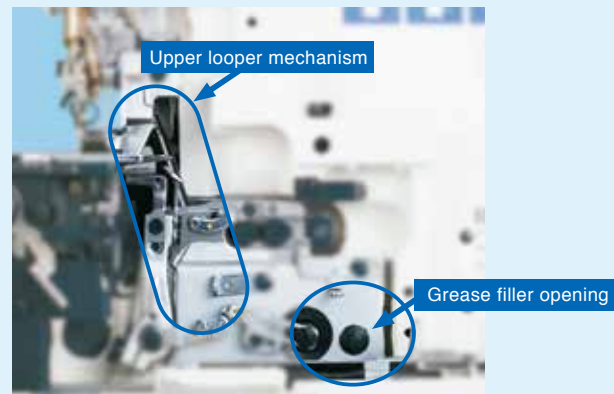
MO-6714DA

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

*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
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<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	
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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	
	MO-6714DA-BD6-30P		2	4	2.0	3.2	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
Seams	MO-6714DA-BE6-30P	L~M	2	4	2.0	4.0	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
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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	M~H	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
	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	



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
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<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	M~H	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	M~H	2	5	4.8	6.4	3	4	1:0.7~1:2	6.5	DC×27 #16	7,000	Upper looper extra high throw type
	MO-6716DA-DE4-30P		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	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
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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
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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.

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



Double chainstitch looper thread feeding mechanism

MO-6714DA-□□□-30P
MO-6716DA-□□□-30P