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

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

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

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.

JUKI ECO PRODUCTS

● 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.

JAB CM001 | EMS ISO14001 JSAE389 | UKAS MANAGEMENT SYSTEMS 089

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 CORPORATION
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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

DECEMBER, 2019 Printed in Japan(TN)

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.

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

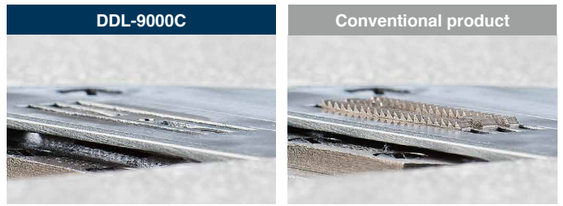
	Premium Digital	Digital
Digital feed (Horizontal direction)	○	○
Digital feed (Vertical direction)	○	○
Active presser foot	○	×
Active tension	○	×
Support to an Android tablet	○	○
Network	○	△ (Support through an Android tablet)
Shorter-thread remaining type thread trimming	○	○
Color touch panel	○	×

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

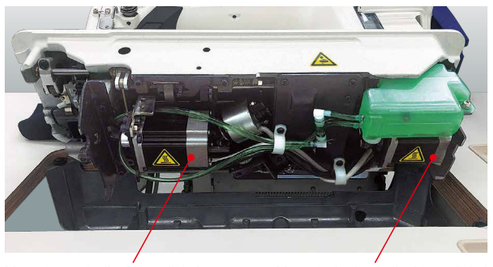
“Double digital feed mechanism” installed World first Premium Digital Digital

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.



Standard	Front Up (reduce uneven material feed)	Rear Up (prevent needle bending)	Box Feed (for multi-layered section)



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.

Management of sewing performance and sewing machineby 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

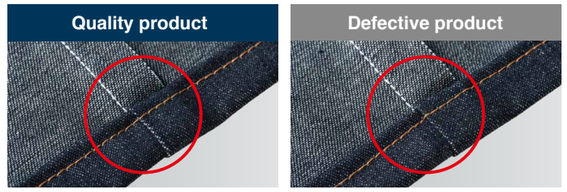
Needle thread tension which matches sewing conditions given can be set on the operation panel and stored in memory.
The needle thread tension adjustment needs experience. However, for this sewing machine, thread tension data stored in memory is reproducible, thereby reducing the setup time when the product 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.

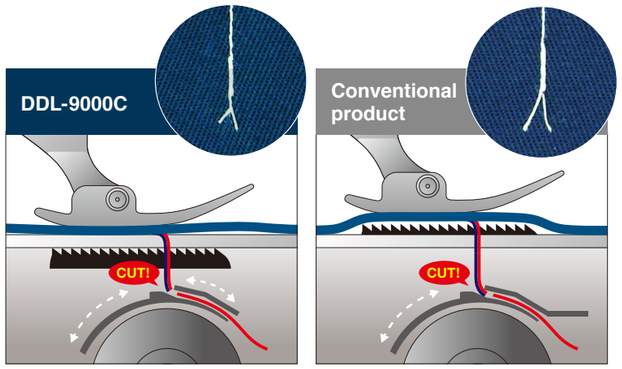


III. Needle thread clamp Premium Digital Digital

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 3 mm 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.

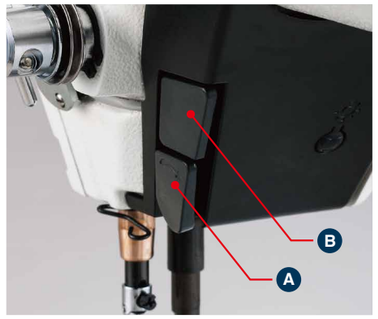


Thread remaining amount is less than 3mm (wrong side)

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.

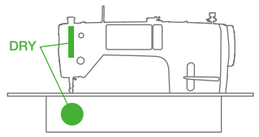
FD Fully-dry head type Premium Digital

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.

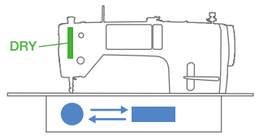
FM, SM Semi-dry head type Premium Digital Digital

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.

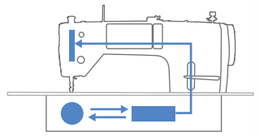
FS, SS Minute-quantity lubrication type Premium Digital Digital

DDL-9000C-S

Max. sewing speed: 5,000sti/min

The sewing speed of 5000sti/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: **RO036080200**

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 (with AK): **40230011**

■ Cooling fan kit (without AK): **40230006**

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
Premium digital type	Fully-dry head type	Midium-weight	FDS
Premium digital type	Semi-dry head	Midium-weight	FMS
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).

Wiper	Code
Not provided	OB
provided	NB

Automatic foot lifter	Code
Not provided	
Provided (driven by pedal)	AK154

※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
Premium digital type	0
Digital type	1

PSC box	Code
Single-phase 200～240V (For General Export)	K

● **To order, please contact your nearest JUKI distributor.**

AL BORJ MACHINERY LLC

Document	Catalogue (PDF)
Maker	JUKI Corporation
Maker's pages	1 to 4
Edition	Al Borj Machinery, 2026

Juki DDL-9000C Series

Direct-drive digital lockstitch sewing system

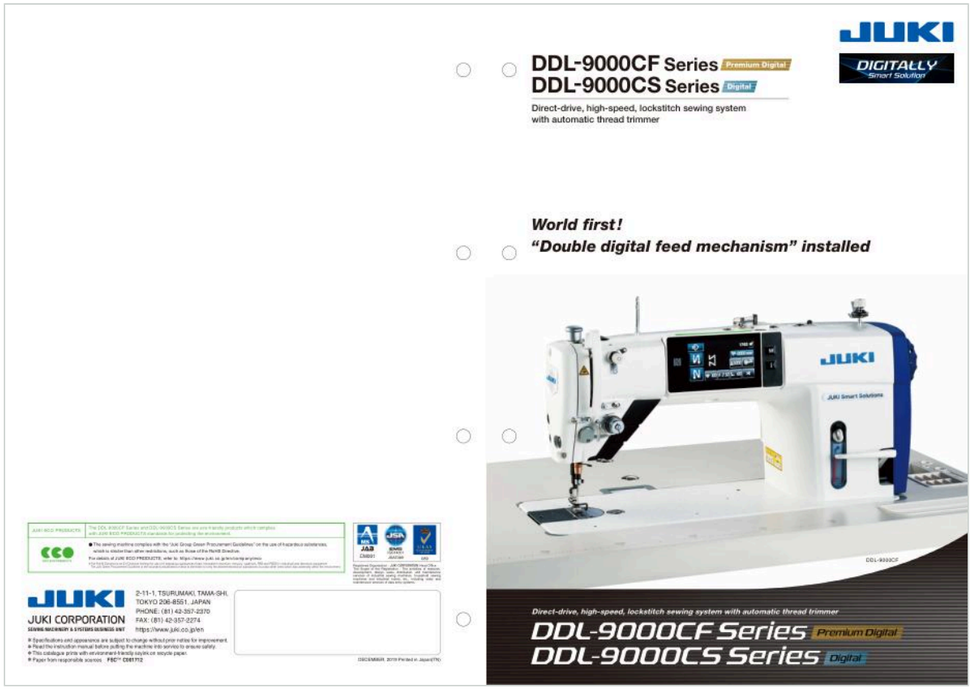
Catalogue (PDF)

Catalogue et fiche technique (PDF)

الكتالوج والمواصفات الفنية (PDF)

Product page

alborj.com/products/juki-ddl-9000c-series



Page 1, the first page of the maker's catalogue, reproduced unchanged.

In this catalogue

1	Front and back cover: the DDL-9000CF and DDL-9000CS series
2	The double digital feed mechanism and the control panel
3	Digital functions and seam quality
4	The models, options, specifications and ordering codes