

# DDL-9000C-FMS/PBN

Semi-dry head, Direct-drive, 1-needle Lockstitch Sewing System with Automatic Thread Trimmer (Bird's nest prevention type)

# JUKI

**ECO**  
JUKI ECO PRODUCTS

## The "bird's nest prevention type" model has been newly added.

DDL-9000C/PBN digitalizes the machine adjustment used to be handled based on personal hunches and experience. The machine comes with bird's nest prevention that commits to "seam quality".

**DIGITAL SEWING SYSTEM**



DDL-9000C-FMS/PBN

The newly-developed model totally eliminates bird's nests at the starting of sewing, which have been a conventionally inevitable factor when using machines with a thread trimmer. The length of thread remaining at the end of sewing is shortened.

### The machine eliminates the "bird's nest" at the starting of sewing

The machine starts sewing with the needle thread clamped and held with its unique air & ball type clamp. High-quality seams, thereby, are promised without leaving bird's nests (thread tangling) on the wrong side of the material.

### Only 3 mm long thread is left on the material at the end of sewing

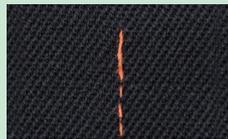
The machine adopts a new thread trimming method where the newly-developed thread trimming mechanism trims the thread directly below the throat plate while the last stitch (or two stitches) at the end of sewing is (are) sewn with a smaller stitch length using condensation stitching. As a result, the length of thread remaining on the material is shortened, thereby eliminating thread nipping work.

#### ■ Start of sewing (Wrong side of material : With reverse stitching)

Conventional lockstitch machine with automatic thread trimmer



[ DDL-9000C/PBN ]

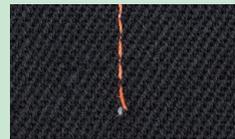


#### ■ End of sewing (Right side of material : With condensed stitching)

Conventional lockstitch machine with automatic thread trimmer



[ DDL-9000C/PBN ]



\*Remaining length of thread varies with sewing conditions.

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

### 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.

\*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.



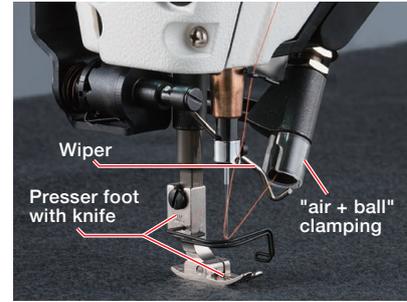
**N** The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

## Reliable grasping of thread by the clamping method

The sewing machine has adopted the thread clamping system that pneumatically draws the needle thread which remains after thread trimming and clamps it with the ball. As a result, the needle thread is clamped without fail while requiring no additional adjustment even when the type and count of thread is changed.

### JUKI's unique "air + ball" clamping system

Not only the reliable thread clamping mechanism but also downsized needle-surrounding portion of the machine head are achieved by the thread clamp mechanism that combines the air cylinder with the ball. Due to its strong thread clamping force, the needle thread can also be trimmed without fail.

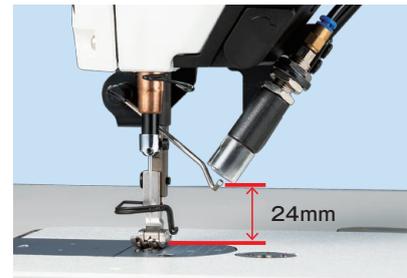


## Operability is given priority with respect to the area that surrounds the presser foot

The thread clamp device and the wiper are located as far as possible from the needle entry area. This simple arrangement of the area around the presser foot allows the operator to handle the material with ease and ensures smooth operation.

### This sewing machine can also be used as the standard sewing machine provided with the thread trimmer.

For sewing processes that do not require the "bird's nest preventing function", the sewing machine can be used as the standard sewing machine with the thread trimmer by disabling the air cylinder through the operation panel.



## SPECIFICATIONS

Model name	DDL-9000C-FMS/PBN
Type	Full Digital Type
Application	Medium-weight
Lubrication system	Semi-dry
Max. sewing speed	4,000sti/min*
Max. stitch length	4mm
Thread trimming method	Double-edge rotary system
Lift of the presser foot	Auto : 1st stage 5.0 mm (*0.1~8.5mm), 2nd stage 8.5 mm (*8.5mm~13.5mm) * Adjustable on the operation panel
Needle	DBx1, DPx5 (Standard #11) #9~18 (Nm65~110)
Lubricating oil	JUKI New Defrix Oil No. 1 or JUKI CORPORATION GENUINE OIL 7 (equivalent to ISO VG7)

\*"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

Wiper / one-touch type reverse feed	Code	SPECIFICATIONS	Code
Provided	WB	Bird's nest prevention type	PBN

DDL-9000C FMS WB PBN

Digital Specifications	Machine head	Sewing specifications	Code
Full digital type	Semi-dry head	Midium-weight	FMS

● To order, please contact your nearest JUKI distributor.

### Control box

Head	Code
Full digital type	0

SC95 0 A

PSC box	Code
Single-phase 100~120V	S
3-phase 200~240V	D
Single-phase 200~240V(For General Export)	K
Single-phase 200~240V(For CE)	N
Single-phase 200~240V(For CHINA)	U

JUKI ECO PRODUCTS The DDL-9000C-FMS/PBN is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.



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

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

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



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

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 <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. (AUGUST, 2018 TN)

