DDL-8000C Series

Direct-drive, High-speed, 1-needle, Lockstitch Machine
with Automatic Thread Trimmer (Electric Feed Length Control System<EFLeCS>)

DDL-8000CSMNBK

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Option

■ **One-touch presser kit: 40299038** New
■ **One-touch presser joint kit: 40299044**

The presser bar with new mechanism enables easy replacement of presser foot. By adding the joint kit, the number of applicable presser feet can be increased.

One-touch presser joint kit　One-touch presser kit

■ **Long pitch kit (4 row type feed-dog): 40298198** (DDL8000CSM/DDL8000CSC), **40298200** (DDL8000CSH)
■ **Long pitch kit (3 row type feed-dog): 40298199** (DDL8000CSM/DDL8000CSC), **40298201** (DDL8000CSH)

The maximum stitch length can be changed to 7 mm by replacing feed dog and throat plate.

■ **Multi-layered section detection sensor kit: 40299026**

By attaching this kit, it becomes possible to automatically change over sewing parameters (stitch length/maximum sewing speed) at Multi-layered section of material.

■ **Non-lubricated hook** (asm.)**: 22890206**
■ **Non-lubricated hook** (asm.)**: 22890404**
(provided with the needle guard)

Oil stains on sewing products can be totally prevented by using the dry hook made of plastic which has a unique race surface.

✻ Max. sewing speed: 4,000 sti/min

To use the non-lubricated hook, the following two parts are separately needed.

■ **Hook driving shaft detent plug screw: 11079506**
■ **O ring: R0036080200**

■ **Non-rotating bobbin**
● **Hook: 27003557**
● **Bobbin case: 27003755**
● **Bobbin: 27003805**

The non-rotating bobbin helps prevent irregular stitches due to a certain sewing speed and bobbin thread tension variation due to a change in the bobbin thread remaining amount. Since the bobbin supplies the bobbin thread without rotating, the bobbin will not run idle.

Hook　Bobbin case　Bobbin

✻The hook, bobbin and bobbin case are all specifically-designed items for the non-rotating bobbin.

SPECIFICATIONS

Model name	DDL8000CSM	DDL8000CSH
Application	Medium weight	Heavy weight
Lubrication	Oil Shielding System	
Max. sewing speed	5,000sti/min*1	4,000sti/min*1
Max. stitch length	5mm (7mm*2)	
Needle bar stroke	30.7mm	36mm
Lift of the presser foot	Automatic: 9mm / Lever: 13mm	
Needle	DB×1 #14	DP×5 #21
Lubrication oil	JUKI CORPORATION GENUINE OIL 7 (equivalent to ISO VG7)	
Power requirement	Shingle-phase 220V~240V	
Weight of machine head	42.0kg (include motor, control box, panel)	

*1 sti/min is the abbreviation for “stitches per minute”
*2 When the optional long pitch kit is installed, the maximum stitch length is 7mm in both normal and reverse, the maximum sewing speed becomes 3,500 sti/min.

WHEN YOU PLACE ORDERS

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

Machine head · Control box

DDL-8000CS□NB□

Digital	Code
Standard	S

Application	Code
Medium weight materials	M
Heavy weight materials	H

Nipper and automatic reverse feed device	Code
Provided	NB

Voltage	Code
Single-phase 220-240V	K
Single-phase 220-240V (for CE)	N

JUKI ECO PRODUCTS — **The DDL-8000C is an eco-friendly product 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 MS CM001　JSA 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.

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 https://www.juki.co.jp/en

●Specifications and appearance are subject to change without prior notice for improvement. ●Read the instruction manual before putting the machine into service to ensure safety.

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Equipped with a new function Electric Feed Length Control System (EFLeCS).

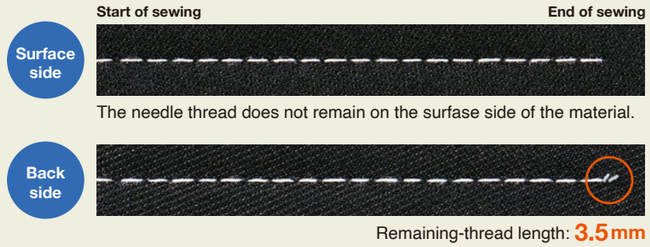
This machine is a long-arm direct-drive lockstitch machine with a thread trimmer and integrated electrical control box. DDL-8000C equipped with the digital-pitch "Electric Feed Length Control System" and a space from machine arm to needle extended in width to 305 mm. It is provided as standard with "reverse feed lever" to enable fine adjustment of the feed amount with ease.

The shorter-thread trimming mechanism

The length of thread remaining on the material at the end of sewing is 3.5 mm

The machine adopts a double-blade drive rotary thread-trimming mechanism. By trimming thread just under the needle and by using digital pitch condensed stitching, this thread-trimming system consistently leaves no more than 3.5 mm of remnant thread on the material at sewing completion.

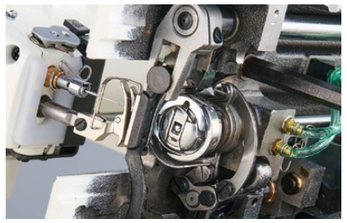
Beautiful finished seams



The needle thread does not remain on the surfase side of the material.

DDL-8000C can produce the effect of shorter-thread remaining by making condensed stitch.

Upper side of the thread-trimming knife



Lower side of the thread-trimming knife

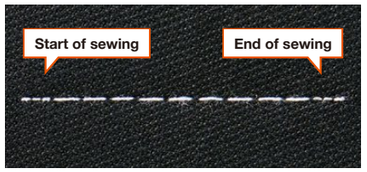
EFLeCS with various functions

Electric Feed Length Control System (EFLeCS) with a digital pitch

With the stepping motor used to control the feed mechanism, the feed pitch is adjusted with the color LCD touch panel control. The high-clarity display of the touch panel promises excellent visibility to enhance workability. Reverse feed length setting and condensed stitch are possible. The machine is also able to sew design stitch.

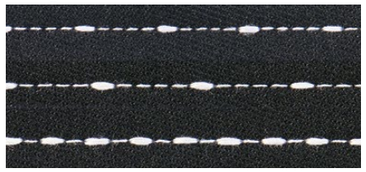
Color LCD touch panel

Condensed stitch



The condensed stitch can be set from the panel to fine-tune the stitch length at the end of a seam to prevent the seam from unraveling.

Design stitch



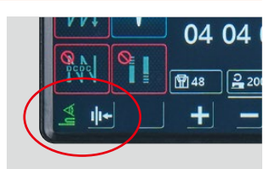
Digitalized needle feed mechanism enables sewing of many different sewing patterns with ease.

Feed-amount fine-adjustment function

Stitch length can be controlled sensibly with reverse feed lever equipped as standard. The machine newly has a choice of stitch length adjustment function by knee lifter. This function makes possible to adjust stitch length without using hands, so it helps difficult processes which require handling by both hands.

One-touch change over function

The stitch length and maximum sewing speed can be changed over with one-touch action of the hand switch.



Option **Multi-layered section detection sensor kit: 40299026**

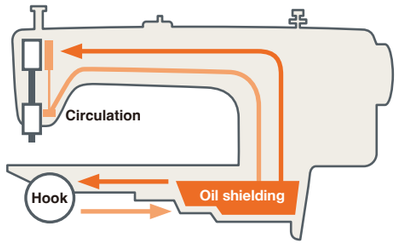
By attaching this kit, it becomes possible to automatically change over sewing parameters (stitch length/maximum sewing speed) at Multi-layered section of material.

Control box & USB port

The control box is integrated with the machine head to facilitate machine setup, and now comes with a USB port for charging. Since the USB port is provided as standard for the control box.

Oil Shielding System

In order to prevent oil stains on sewing products, the sewing machine has adopted the "Oil Shielding System" which is integrated into the sewing machine bed. The needle bar is lubricated with a smaller quantity of oil as compared with the conventional model. In addition, oil which externally splashes is shielded by the frame oil recovery mechanism and automatic oil circulation mechanism. This structure contributes to the achievement of the maximum sewing speed of 5,000sti/min and also to increased productivity.



Elimination of oil stains on sewing products

Oil is stored in the oil-shielded made of highly rigid aluminum die cast which is integrated into the machine head and provides increased cooling performance. The oil-shielded has increased sealing performance as compared with a plastic oil tank and effectively prevents oil leakage and tank breakage.

Oil-shielded made of aluminum die cast

Oil gauge

Various standard equipment

Stepping motor drive for the thread trimmer and auto-lifter

The drive mechanism for the thread trimmer and presser lifter uses a single stepping motor. The mechanism substantially reduces operating noise, especially for the thread trimmer.

Nipper device

This device pulls the needle thread into the wrong side of the material at the beginning of sewing, thereby ensuring more beautifully-finished seams.

Auto-lift and knee lifter

Shared motor power with the thread trimmer now makes it possible to provide the auto-lifter as standard. A highly demanded knee-lifter is also provided as standard for further enhanced workability.

Hand switches

Two customizable hand switches are provided as standard. The assignable button functions include back-tack stitch, needle up/down stitch, one-stitch sewing, condensation stitch, etc.

LED light

Since the LED lights cast their light exactly downward to illuminate the needle entry area from the right and left sides of the needle bar, sewing work can be carried out more easily as compared with the use of light from one direction. In addition, the illuminance of the LED lights can be adjusted in three steps and can be used as an auxiliary light for work.