

S-7300A

Single Needle Direct Drive Lock Stitcher with Electronic Feeding System and Thread Trimmer

The world's first lock stitch sewing machine which adopts the Electronic Feeding System directly connected with stepping motor.

Next-generation lock stitch machine, which establishes the new standard, has been born.

- High quality sewing
- Reduction of disposition of thread ends
- Equipped the color LCD touch panel for intuitive operation
- Offers a new value with Design Stitch
- Enhances the operatability with new Hand Switch



NEXIO

NEXIO creates the new-valued society

NEXIO

Brother was established as the
"Yasui Sewing Machine Co." in 1908.

During the over 100-year history,
we have continually produced innovative sewing
machines that are the industry's standard, including the
world's first direct-drive sewing machine, dry-head sewing
machine and electronic sewing machine.
We are proud of our spirit of "At your side.", which
has been around since the establishment of Brother.

The new lock stitch sewing machine NEXIO is
a symbol of Brother's vision to make a new challenge.

Joining materials with needle and threads.
We have been kept challenging to the simple
but the profound world.
We will never stop taking endless challenges
in the future too.

We would like to invite your business
to make a next world with Brother.

Make a Next Industry's Standard

The world's first lock stitch sewing machine which adopts the Electronic Feeding System directly connected with stepping motor.

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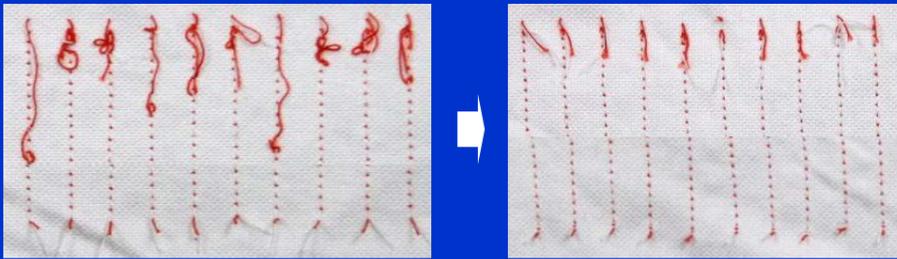
1 Reduction of Disposition of Thread Ends (short remaining thread and bird's nest reduction)

Minimizes the bird's nest at sewing start and short remaining thread min.3mm

With the new thread tension mechanism and electronic feeding system, the bird's nest can be minimized. The new 2way thread trimming mechanism cut the thread under the needle hole, realizing the short remaining thread at minimum 3mm. Thread trimming after sewing can be reduced thanks to the new system.

Conventional model

S-7300A



2 World's first Electric Feeding System directly connected with stepping motor for various materials sewing

Horizontal feeding system is world first computerized for single needle lock stitch sewing machine. The feed motion can be changed with one touch of a button to providing good sewing quality for various materials. Furthermore, the sewing pitch length can be digitalized, stabilizing the stitches.

3 Design Stitch for new value proposition

Thanks to the digitalized feeding system, you can change the pitch length on the same seam by program control. Now design stitch is available for even single needle lock stitch machine easily.

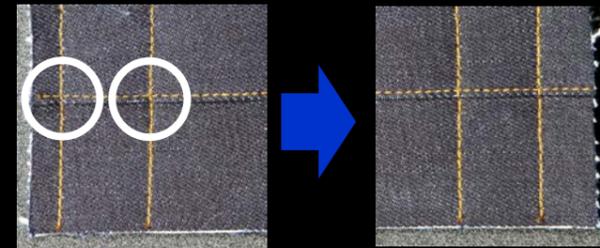


4 LED Handy Light Equipped as Standard

Both-sides LED handy light equipped as standard for better operation, preventing the shadowed area. The bright ness can be adjustable on the panel.

5 Clogging at thickness joint reduction

Automatic bump sensor detects the thickness while sewing, helping reduce clogging at thickness joint and needle breakage. S-7300A enables to change automatically the stitches bigger, offering stable pitches and high quality sewing for even unskilled-operator.



6 Clean sewing with minimum lubrication system

You can choose minimum lubrication system or semi dry type. Oil leakage from the needle bar can be prevented, realizing clean sewing and sewing products will not be stained.

7 Needle Breakage Prevention Function Is Enhanced

The needle breakage prevention function which prevents the needle breakage when reverse stitching is carried out with the actuator switch is adopted. Furthermore, with the electronic feeding system, the needle breakage while sewing is also prevented (Patent acquired).

8 The new hook enhances sewing capability for wide range materials

The new hook which is improved the thread path enables to expand sewing range for medium materials. It also enhances the sewing capability for heavy materials.

	Feed motion image
Standard path	
Path 1	
Path 2	
Path 3	

Expanded sewing range



User-intuitive Color LCD with Touch Panel

Equipped the Color LCD with touch panel and indicates display items with illustration icons, offering user-intuitive operation.

For panel display, Easy mode Home(for operators) and Detailed mode Home(for mechanics) are available. Each mode is spotting the necessary and useful functions according to the users so they can grasp the needed information at a glance. Switching those modes can be set on the panel.

Detailed mode Home

Start backtack key

Main stichi key

End backtack key

Switch the Home lock/unlock

Switch LED light ON/OFF

Pitch

Sewing speed

Production counter

Lower thread counter

Frequently-used functions such as needle up/down key and thread cut key are displayed.

Easy mode Home

Pitch

Sewing speed

Production counter

Switch the Home lock/unlock

Switch LED light ON/OFF

Shortcut keys
You can assign frequently-used functions.

Feed Motion Change



You can select the feed motion type from 4 kinds of motions.

Best Performance Mode



(Minimizes the bird's nest and remaining short thread)

When the mode is set ON, it is effective for reduction of thread run out and remaining short thread.

Thickness Joint



Assist Mode

You can set ON/OFF for thickness joint sewing. It is effect for clogging reduction.

Sewing Pattern Setting

Up to 9 sewing patterns sewing pattern can be easily set and stored with this function.

Easy sewing pattern programming

Setting of sewing step such as pocket sewing is easy to set on the panel. Up to 20 steps can be stored.

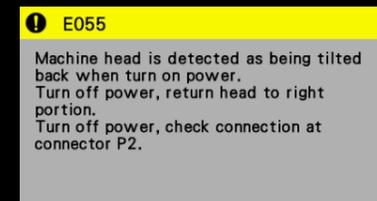


Protect Mode

The sewing pitch and sewing speed can be locked together.

Error Message Display

When the error occurs, the error message and remedy are displayed on the panel.

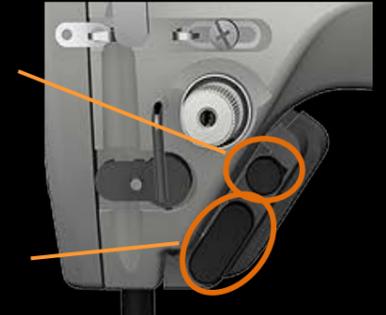


Useful functions are gathered in the hand switches

Useful functions are easily carried out with the 2 hand switches. You can assign the functions to each switch, so various useful functions are available with a combination of the switches. Assigning the functions are set on the panel.



Switch A



Switch B

Easy reverse sewing operation with handy switch instead of reverse lever



Easier reverse sewing operation with the handy switch than before, it was done with the reverse lever. The switches are located within operator's grasp, operator can be done the operation without slowing down the operatability.

The compensation stitch with a half-length stitch available for better corner sewing



You can use Switch A and B each for compensation stitch and half length compensation stitch as sewing portion.

When sewing the corner of jeans, for example, you can use half-length pitch in order to adjust the pitch on the corner length. S-7300A reduces operator's load by changing the manual operation to be digitalized.

USB Port is Equipped



The USB port is equipped so sewing patterns and environmental settings can be copied easily to other sewing machines. Also, you can upgrade the software with USB memory.

Specifications/

S-7300A-**P**

	Thread wiper	Lubrication type	Application
3	-	0	For medium-weight materials
4	○	3	For heavy-weight materials

S-7300A-	-303P, -403P	-305P, -405P	-333P, -433P
Lubrication type	Minimum lubrication	Minimum lubrication	Semi dry
Application	Medium materials	Heavy materials	Medium materials
Max. sewing speed	Pitch length 4mm and under : 5,000 sti/min Pitch length 4mm and above : 4,000 sti/min	Pitch length 4mm and under : 4,500 sti/min Pitch length 4mm and above : 4,000 sti/min	Pitch length 4mm and under : 5,000 sti/min Pitch length 4mm and above : 4,000 sti/min
Max. Back tacking speed	3,000 sti/min		
Max. stitch length	5mm	Max, 7mm (default setting : 5mm)	5 mm
Presser foot height	Presser bar lifter: 6mm, knee lifter: 13mm		
Needle bar stroke	31mm	35 mm	31 mm
Needle (DBx1 · DPx5)	#11-#18 (Nm75-110)	#19-#22 (Nm120-140)	#11-#18
Height of feed dog	0.8mm	1.2mm	0.8mm
Weight	34.5kg		
Motor	AC servo motor		
Power supply	100V-110V(*1), 200-230V, 380-400V(*1) 450VA		

*1 The transformer is required.

RoHS Compliant

S-7000DD is compliant with the RoHS Directive (the restriction of the use of certain hazardous substances in electrical and electronic equipment) which came into effect in the EU in July 2006.



Brother has established voluntary environmental standards for products and created the "Brother Green Label". S-7000DD is certified as an environment-conscious sewing machine according to the "Brother Green Label" standard.



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- Please read instruction manual before using the machine for safety operation.
- Product specifications are subject to change for improvement without notice.
- Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.

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