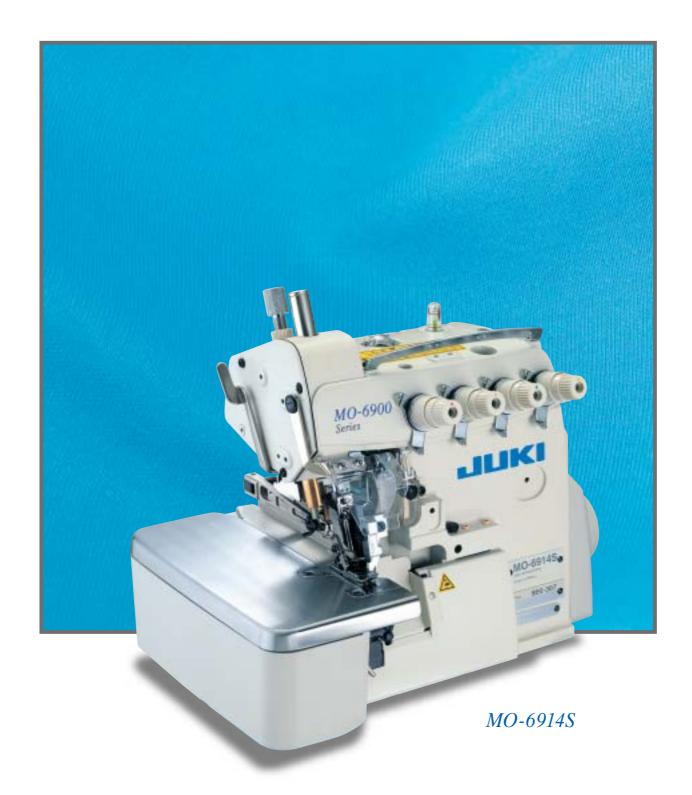


MO-6900S Series

Super-high-speed, Overlock/Safety Stitch Machine



MO-6900S Series

High-quality machine with easier operation and increased reliability.

MO-6900S Series

High-quality machine with easier operation and increased reliability.

The MO-6900S Series is a new and powerful overlock/safety stitch machine that has been developed to offer increased reliability and ease-of-use, while upgrading seam quality at higher sewing speeds. It responds to a wider range of materials and processes to finish high-quality soft-feeling seams. With the operating noise having been reduced and increased durability ensured, the cost-effective MO-6900S Series is a leading machine in the new era.





The machine ensures both beautiful and upgraded seam quality at higher speeds.

Since the machine comes with a needle-thread take-up mechanism as well as a looper thread take-up mechanism, to offer upgraded responsiveness from light- to heavy-weight materials with a lower applied tension, it achieves well-tensed soft-feeling seams that flexibly correspond to the elasticity of the material at the maximum sewing speed of 8,000 to 8,500sti/min. To offer improved sewing capabilities as well as to prevent stitching misshapes, the machine is equipped as standard with the needle thread heat remover and needle cooler.



 Runstitching in general fabric MO-6914S-RF6-307



The machine has been developed with the intention of providing an extended service life.

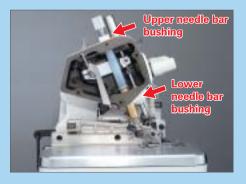
The machine incorporates various mechanisms as standard, such as a differential-feed micro-adjustment mechanism and an external adjustment mechanism for adjusting the feed dog inclination as well as increasing the differential feed ratio, which can be easily adjusted to finish seams that perfectly match the material to be used. Comfortable operation is all but guaranteed, by a wider area around the needle entry, the adoption as standard of a micro-lifter feature that offers improved responsiveness to materials and provides the operator with upgraded operability, and by the reduction of operating noise and vibration, which has been achieved by designing an optimally balanced machine.





→ Further increased reliability.

The introduction of a shield-structured needle bar mechanism and upper and lower needle bar bushings, contributes to increased durability and reliability. Additionally, the machine incorporates an improved feed mechanism and upper looper unit as well as coming standard with a cartridge type oil filter and cooling fan, thereby ensuring enhanced reliability.



Devices intended for conventional JUKI machines are also interchangeable.

Gauges and devices you have used with your existing JUKI machines are also interchangeable with no additional machining required (excluding the LB Series). This eliminates both the waste of resources and unwanted extra costs.



MO-6900S Series

	BCLASS MA	CHI	VE L	JST .	11/2/							en edg		3877107	
Seams	Model No.	L • H Materials	of	of	gauge	Overedging width (mm)		Stitch	Bottom differential-	Presser lifting amount	Needle system	Max. sewing speed	Rer	marks	
	eedle overlock> runstitching in gen	eral fak		threads	(mm)		rows	(mm)	feed ratio	(mm)		(sti/min)	42		A CONTRACTOR
	MO 60045 0D4 300		1	2		2.2	2	1	1.0 71.2	7	DC>27 #11	0 500			

For	runstitching in gen	eral fab	ric										
	MO-6904S-0D4-300		1	3	_	3.2	2	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0E4-300		1	3	_	4.0	2	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0F4-300		1	3	_	4.8	2	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6904S-0D6-300		1	3	_	3.2	3	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0E6-300		1	3	_	4.0	3	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0F6-300	L~M	1	3	_	4.8	3	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6904S-0D4-3F0		1	3	_	3.2	2	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0E4-3F0		1	3	_	4.0	2	4	1:0.7~1:2	7	DC×27 #11	8,500	For soft-chains
	MO-6904S-0D6-3F0		1	3	_	3.2	3	4	1:0.7~1:2	7	DC×27 #11	8,500	For soit-chains
	MO-6904S-0D4-3F6		1	3	_	3.2	2	4	1:0.7~1:2	7	DC×27 #11	8,500	
	MO-6904S-0E4-4FH		1	3	_	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,500	For soft-chains Upper looper extra high throw type
	MO-6904S-0E4-40H	M~H	1	3	_	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,500	Upper looper
	MO-6904S-0E6-40H		1	3	_	4.0	3	4	1:0.7~1:2	7	DC×27 #11	7,500	extra high throw type
	MO-6904S-0F6-500		1	3	_	4.8	3	4	1:0.7~1:2	7	DC×27 #14	8,000	
	MO-6904S-0F6-50H		1	3	_	4.8	3	4	1:0.7~1:2	7	DC×27 #14	7,500	Upper looper extra high throw type

■ For blind hemmina ★L121: Blind stitch hemming attachment

1 01	billia lielillillig *L	IZI. DIIII	a Stitteri	Hellilli	ng attac	iiiiieiit							
	MO-6905S-0D4-210/ L121	M~H	1	3	_	3.2	2	4	1:0.7~1:2	5.5	DC×27 #9	7,500	Upper looper
- Capital Control of the Control of	MO-6905S-0E4-41H/ L121	IVI~П	1	3	_	4.0	2	4	1:0.7~1:2	5.5	DC×27 #9	7,500	extra high throw type

For rolled hemming (folded downward)

-101	Tonica nemining (10	iaca ac	, , , , , , , ,	araj										
Constant of the Constant of th	MO-6904S-0A4-150		1	3	_	1.6	2	4	1:0.7~1:2	5	DC×1 #8	8,500		
	MO-6904S-0A5-150	EL~L	1	3	_	1.6	1	4	1:0.7~1:2	5	DC×1 #8	8,500		

<2-needle overlock>

For runstitching in general fabric

 eedle overlock> runstitching in gen	eral fab	ric										R ZAZ
MO-6914S-BD4-307		2	4	2.0	3.2	2	4	1:0.7~1:2	6.5	DC×27 #11	8,000	
MO-6914S-BE4-307		2	4	2.0	4.0	2	4	1:0.7~1:2	6.5	DC×27 #11	8,000	
MO-6914S-BD6-307	L~M	2	4	2.0	3.2	3	4	1:0.7~1:2	6.5	DC×27 #11	8,000	
MO-6914S-BE6-307		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	8,000	
MO-6914S-BE6-20H		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	7,500	
MO-6914S-BE4-40H	N4 11	2	4	2.0	4.0	2	4	1:0.7~1:2	6.5	DC×27 #11	7,500	Upper looper extra high throw type
MO-6914S-BE6-40H	M~H	2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	7,500	Sala ingli allow typo

● For gathering ★S162: Swing-type gathering device (manual-lever operated)

_	•												•	
		L~M	2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	6	DC×27 #11	7,000		

飛過車

For	tape attaching *G	J2, G39:	lape att	aching	presser	toot ★Q1	41: Tap	e guide				10 mmm (3	. → • • ii
	MO-6914S-BE6-44H/ G39/Q141	M~H	2	4	2.0	4.0	3	3.2	1:0.7~1:2	7	DC×27 #14	7,000	Upper looper
	MO-6914S-BE7-44H/ G02/Q141	IVI~II	2	4	2.0	4.0	4	3.2	1:0.7~1:2	7	DC×27 #14	7,000	extra high throw type

<Safety stitching>

For runstitching in general fabric



For	runstitching in gene	erai tab	ric						-		sen iii i		- 66 40 42
	MO-6916S-DD6-300		2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6916S-DD6-3F0		2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #11	8,000	For soft-chains
	MO-6916S-DE4-300	L~M	2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6916S-DE6-300		2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6916S-FF6-300		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	8,000	
	MO-6916S-BE4-40H		2	5	2.0	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,500	
	MO-6916S-DE4-40H		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,500	Upper looper
	MO-6916S-DE6-40H		2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	7,500	extra high throw type
	MO-6916S-FF6-40H		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	7,500	
	MO-6916S-DD6-500	M~H	2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #16	8,000	
	MO-6916S-FF6-500		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #16	8,000	
	MO-6916S-DF6-50H		2	5	3.2	4.8	3	4	1:0.7~1:2	6.5	DC×27 #16	7,500	
	MO-6916S-FF6-50H		2	5	4.8	4.8	3	4	1:0.7~1:2	6.5	DC×27 #16	7,500	Upper looper extra high throw type
	MO-6916S-FH6-50H		2	5	4.8	6.4	3	4	1:0.7~1:2	6.5	DC×27 #16	7,500	0 //
	MO-6916S-FF6-60H	Н	2	5	4.8	4.8	3	4.5	1:0.9~1:1.7	5	DC×27 #21	7,000	For jeans Upper looper
	MO-6916S-FH6-60H	17	2	5	4.8	6.4	3	4.5	1:0.9~1:1.7	5	DC×27 #21	7,000	extra high throw type

● For gathering ★S159: Swing-type gathering device (interlocked with pedal) ★S161: Swing-type gathering device (manual-lever operated)

|--|--|

_	<u> </u>								0 / 1	•	-		
	MO-6916S-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
	MO-6916S-DE4-42H/ S161	IVI∼⊓	2	5	3.2	4.0	2	3.2	1:0.9~1:2.6	6	DC×27 #11	7,000	extra high throw type

● For rolling-in tape ★N077: Clean finish top and bottom



	MO-6945S-ED4-360/ N077	L~M	2	4	4.0	3.2	2	4	1:0.7~1:2	5	DC×27 #14	7,000	2-needle type for double-chainstitch on pocket bags
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^{* &}quot;sti/min" stands for "Stitches per Minute."

SUBCLASS

Diversified subclass machines are available. The selection of a machine that best matches the processes in concern are permitted.



Blind hemming
 MO-6905S-0E4-41H/L121
 (L121: Blind stitch hemming attachment)



 For gathering MO-6914S-BE6-327/S162 (S162: Swing-type gathering device)



For rolling-in tape
 MO-6945S-ED4-360/N077
 (N077: Clean finish top and bottom)



■ DEVISES AND ATTACHMENTS

Model	Part No.		Descri	ption								
Cha	in-off thread tri	nming device		A TAXABLE PARTIES								
T020	MAT-039001A0	One-touch type ta		For 110, 115, 220, 240V								
T039	MAT-039002A0	trimming device (electromagnetic t	ype)	For 220, 380, 415, 440V								
	MAT-040001A0	For 110, 115, 220, 240V										
T040	MAT-040002A0	+ chain-off thread trimming device	sunken type	For 220, 380, 415, 440V								
1040	MAT-040001AA	(number-off-stitch	For fully-	For 110, 115, 220, 240V								
	MAT-040002AA control and electromagnetic type) sunken type For 220, 380, 415, 440V											
T041	MAT-041000A0A Pneumatic flat cutter											
T042	MAT-042000A0	Pneumatic side cutter (for overlock machine)										

Blower-type chain-off thread suction device

MC-7A Blower-type chain-off thread suction device + cloth chips

Pneumatic chain-off thread suction device

MC-4	_	Specific to chain-off thread, pedal-operated
MC-5	MC-5 — Specific to chain-off thread	
MC-8	MC-8 — Pneumatic chain-off thread + cloth chips	
MC-9	_	Function of MC-8 + auto-lifter
MC-24	1	Pneumatic chain-off thread + cloth chips

*The aforementioned devices are not equipped with air regulator.

Please purchase the following components when you need to regulate air pressure.

_	PF-0552010-B0	Air regulator (F.R. unit asm.)
_	GMD-01080000×2	Fixing screw for F.R. unit asm.
_	F1021-003-000	Tube connector (male)
GAS-12063000*		One-touch connector *Selection parts instead of the tube connector

Auto-lifter

AK32	GAK-320000A0	Pneumatic type (knee-operated)
AK49	GAK-490000A0	Pneumatic type (pedal-operated)
AK101	GAK-A01000A0	Pneumatic type (for servomotor)

[Reference]

Combination table of "chain-off thread suction device" and "auto-lifer" which correspond to "chain-off thread trimming device".

Chain-off thread trimming device		Chain-off thread suction device	Auto-lifter
		MC-7A	AK101 (JUKI servomotor)
T039	+	MC-8	AK101 (JUKI servomotor)
		MC-9	— (MC-9 is equipped with auto-lifter.)
		MC-7A	AK32 (any motor will do)
T040	+	MC-5	AK32 (any motor will do)
		MC-24	AK32 (any motor will do)

T041		MC-7A	AK49 (Motors other than JUKI servomotors are applicable.) AK101 (JUKI servomotor)
or	+	MC-4	——————————————————————————————————————
T042		MC-8	AK101 (JUKI servomotor)
		MC-9	— (MC-9 is equipped with auto-lifter.)

		,, ,			
Model	Part No.	Description	Feature		
Gat	hering device				
S159	MAS-159000A0	Swing-type gathering device (interlocked with pedal / for safety stitch machine)	The attachment opens with the presser foot pedal. This facilitates material setting on the machine. Furthermore, knee-control type differential-feed		
S160	MAS-160000A0	Swing-type gathering device (interlocked with pedal / for overlock machine)	adjusting device is built in the attachment. It controls a differential-feed ratio as desired, thereby enabling the operator to make beautiful gathers.		
S161	MAS-161000A0	Swing-type gathering device (manual-lever operated / for safety stitch machine)	The attachment is used to perform two different processes, joining fabric process and gathering process, at a time.		
S162	MAS-162000A0	Swing-type gathering device (manual-lever operated / for overlock machine)	The attachment can be opened/closed by using the lever (manually operated). The differential-feed ratio is controlled with the knee lever.		
Blin	d hemming dev	vice			
L121	MAL-121000A0	Blind stitch hemming attachment	A ruler used for blind hemming in knits		
Pipi	ng folder				
M056	MAM-0560J0A0	Piping folder	This piping folder makes a piping first, then turns up the tape.		
M075	MAM-0750J0A0	Piping folder (to be used with knit tape)	This attachment can be used for both "cotton bias tape with gimp" and "knit tape". The operation mode can be changed over with a fingertip control.		
M076	MAM-0760N0A0	Ready-made piping folder	The dimension of ready-made tapes can be adjusted within the range of 8 to 13mm.		
M077	MAM-0770M0A0	Piping folder for gathering	The attachment makes gathers on the lower fabric while making decorative piping.		
Gui	de, Ruler				
H153	MAH-153000A0	Cloth edge guide ruler (for overlock machine)	A swing type edge guide.		
H154	MAH-154000A0	Cloth edge guide ruler (for safety stitch machine)	A swing type eage guide.		
Q141	MAQ-141000B0	Tape guide	This attachment is used attached on the machine head (face plate). It is used for tapes with the width of 7mm or less.		
Fell	er, Binder				
K006	MAK-00601000	Upturn feller	This feller is exclusively used with the 3C0 throat plate. It is attached on the throat plate.		
N067	MAN-0670D0A0	Reinforcement tape attachment binder (finished width: 4mm)	This binder binds the edge of a pocket bag while cutting round its periphery.		

■ WHEN YOU PLACE ORDERS

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

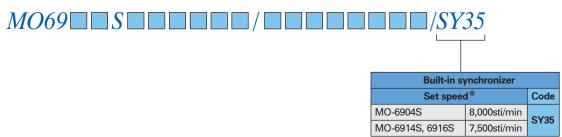
						1		
Stitch type	U.S.A	Code		Type	Code		Device and attachment	Code
1-needle overlock	504	04		Standard	d S		Tape attaching presser foot / Tape guide	G02/Q14
1-needle overlock for blind hemming	505	05			Tape attaching presser foot (for sewing sharp curves)/ Tape guide		G39/Q14	
							Blind stitch hemming attachment	L121
2-needle imitation safety stitch	512	12			Swing-type gathering device (interlocked with pedal / for safety stitch machine)		S159	
2-needle overlock	514	14			Swing-type gathering device			
2-needle safety stitch	516	16			(manual-lever operated / for safety stitch machine)		S161	
3-needle safety stitch		43					Swing-type gathering device	S162
2-needle double chain stitch		45	ĺ				(manual-lever operated / for overlock machine)	0102
			J				Clean finish top and bottom	N077

Needle gauge (mm)	Overedging width (mm)	Feed dog	Code
_	1.6	2-row	0A4
-	1.6	1-row	0A5
-	3.2	2-row	0D4
_	3.2	3-row	0D6
_	4.0	2-row	0E4
-	4.0	3-row	0E6
-	4.8	2-row	0F4
-	4.8	3-row	0F6
2.0	3.2	2-row	BD4
2.0	3.2	3-row	BD6
2.0	4.0	2-row	BE4
2.0	4.0	3-row	BE6
2.0	4.0	4-row	BE7
2.4	4.0	2-row	CE4
3.2	3.2	3-row	DD6
3.2	4.0	2-row	DE4
3.2	4.0	3-row	DE6
3.2	4.8	3-row	DF6
4.0	3.2	2-row	ED4
4.8	4.8	3-row	FF6
4.8	6.4	3-row	FH6
4.8+2.0	3.2	3-row	1D6

Ma	terial	Application	Special machine classification	Code
Extra light- to light-weight	Light-weight materials such as men's shirts	Rolled hemming	Standard	150
Light- to medium-weight	Specific to knits	Runstitching	Upper looper extra high throw	20H
		Runstitching	Standard	300
		Runstitching	Upper looper high throw	307
Light- to	For general	Gathering	Upper looper high throw	327
medium-weight	fabrics	Rolling-in tape	Standard	360
		Soft-chain	Standard	3F0
		Soft-chain	Throat plate and feed dog both provided with a lip	3F6
		Runstitching	Upper looper extra high throw	40H
	Specific to knits such as sweaters	Blind hemming	Upper looper extra high throw	41H
		Gathering	Upper looper extra high throw	42H
	Submit as strouters	Tape attaching	Upper looper extra high throw	44H
Medium- to		Soft-chain	Upper looper extra high throw	4FH
heavy-weight	Medium- to	Runstitching	Standard	500
	heavy-weight	Runstitching	Upper looper high throw	507
	materials such as denim	Runstitching	Swim suits	50F
	denim	Runstitching	Upper looper extra high throw	50H
	For heavy-weight	Runstitching	Upper looper extra high throw	60H

■ AC SERVOMOTOR

Machine head



^{*}Select a sewing speed that is lower than the machine head's maximum sewing speed by 500sti/min.

• To order, please contact your nearest JUKI distributor.

■ SPECIFICATIONS

Model name	MO-6904S	MO-6914S	MO-6916S		
Stitch type	1-needle overlock	2-needle overlock	Safety stitching		
Stitch style in the U.S.A.	504	514	516		
Max. sewing speed	8,500sti/min*	8,000sti/min*	8,000sti/min*		
Stitch length	0.8~	4mm	1.5~4mm		
Needle gauge (mm)	_	2.0, 2.4, 3.2	2.0, 3.2, 4.0, 4.8, 4.8+2.0		
Overedging width (mm)	1.6, 3.2, 4.0, 4.8	3.2, 4.0, 4.8	3.2, 4.0, 4.8, 6.4		
Differential feed ratio	For gathering 1:	:2 (max. 1:4), For stretching 1	:0.7 (max. 1:0.6)		
Needle bar stroke		24.5mm			
Inclination angle of the needle	20°				
Needle bar bushing	Upper/lower bushing method				
Needle	DC×27(excluding some subclass model)				
Max. lift of the presser foot	7mm(excluding some subclass model)				
Max. presser foot pressure		63.7N (6.5kgf)			
Stitch adjusting method		By push-button			
Differential-feed adjusting method	В	y lever (with micro-adjustmer	nt)		
Weight of the machine head		28kg			
Lubrication		Automatic			
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)				
Needle cooler	Provided as standard (excluding MO-6945S)				
Needle thread heat remover	Provided as standard (excluding MO-6945S)				
Micro-lifter	Provided as standard				

^{* &}quot;sti/min" stands for "Stitches per Minute."







REGOS REG.NO.JSAE389 089

JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in maintenance of industrial sewing machines, busehold sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entiry systems:

①The development of products and engineering processes that are safe to the environment.

②Creen procurement and green purchasing.

③Creen procurement and green purchasing.



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 soy ink on recycle paper.