SPECIFICATIONS (1111 H11 H22 H23 H24 H25 F11 F22 F23)

Model name		MF-7900 series	MF-7900D series							
Stitch type		2-needle/3-needle top and bottom covering stitch	2-needle/3-needle top and bottom covering stitch							
Needle		UY128GAS (#	10S) #9~#12S							
Lift of the presser fo	ot		5mm (with top and bottom covering stitch), 8mm (with bottom covering stitch)							
Stitch pitch adjustm	ent	Ву	dial							
Differential feed adju	ustment	By micro-adjustr	By micro-adjustment mechanism							
Lubrication		Automatiac	Automatic (frame: no lubrication)							
Lubricating oil		JUKI Machine Oil 18 (e	equivalent to ISO VG18)							
Feed dog inclination	n adjustment	Provided a	Provided as standard							
Micro-lifter		Provided a	Provided as standard							
Needle gauge (mm))	3.2, 4.0, 4.8, 5.6, 6.4								
Needle bar stroke		U11, H11, H22, H23, E11: Provided as standard: 31mm: at the time of delivery / When sewing a heavy-weight material: 33mm U11, H22, H23, H24, H25, Provided as standard: 31r at the time of delivery / When sewing a heavy-weight 33mm								
converting function		E22, E23 : Provided as standard: 33mm: at the time of delivery / When sewing a heavy-weight material: 35mm	- VIE							
Silicon oil tank for ne and needle thread	eedle tip	Provided as	Provided as standard							
Cartridge oil filter		Provided as	Provided as standard Sewing							
Power requirement / Power consumption			Single-phase 100~120V / 200~240V, 3-phase 200~240V / 500VA (with automatic thread rimmer)							
U1	1	41kg (without device), 49kg (with UT51)	, 51kg (with PL/UT52) 44kg (with UT57)							
H1	1 (with PL)	43kg (without device), 51kg (with UT52)	, 46kg (with UT57)							

42kg (without device), 50kg (with UT51), 45kg (with UT57)

44kg (without device), 48kg (with UT55), 47kg (with UT56)

43kg (without device), 51kg (with UT52), 46kg (with UT57)



46kg (with UT57), 46kg (with UT59)



2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN PHONE: (81) 42-357-2370

* 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.

H22, H23

H24, H25

E11 (with PL)

E22, E23 (with PL)

Weight of the machine head

* Paper from responsible sources FSC™ C001712

DECEMBER, 2018 Printed in Japan (TN)



MF-7900 Series

High-speed, Cylinder-bed, Top & Bottom Coverstitch Machine



MF-7900D Series

Semi-dry-head, Cylinder-bed, Top & Bottom Coverstitch Machine



The MF-7900 Series is a newly developed coverstitch machine provided with lots of mechanisms for improving the seam quality.

It is provided with many different sewing-related mechanisms which contribute to improved seam quality, such as the new feed mechanism, and differential-feed micro-adjustment mechanism. In addition, the machine is provided as standard with a looper thread twining prevention mechanism for improved maintenance.

MF-7900 Series

High-speed, Cylinder-bed,
Top & Bottom Coverstitch Machine

MF-7900/UT_{Series}

Top & Bottom Coverstitch Machine with Needle- and Looper- Thread Trimmer

MF-7900D_{Series}

Semi-dry-head, Cylinder-bed, Top & Bottom Coverstitch Machine

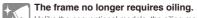
MF-7900D/UT_{Series}

Semi-dry-head, Direct-drive, Cylinder-bed,
Top & Bottom Coverstitch Machine with Needle- and Looper-Thread Trimmer



JUKI's dry-head technology protects sewing products from being stained with oil.

With the excellent functions inherited from the MF-7900 Series, the MF-7900D is provided with a dry frame mechanism to eliminate the cause of oil stains. Stain removing work or re-sewing work is substantially reduced by protecting sewing products from being stained with oil, thereby improving the quality of finished products.



Unlike the conventional models, the oiling mechanism inside the frame has been eliminated. As a result, oil does not leak from the needle bar, presser bar or spreader shaft.

Dry-head technology has materialized a frame which does not need oiling.

The needle bar mechanism and spreader mechanism have been applied with a special surface

JUKI's unique special grease is used for lubrication. Grease-filled bearings have been adopted for the crank rod. These allow the machine's frame mechanism to demonstrate outstanding durability without being oiled.

Environmental consciousness

Since oil stains on sewing products are reduced, the quantity of the use of stain remover generally used in sewing plants can be reduced.

* Dichlorofluoroethane (HCFC-141), which is generally used in oil stain cleaning fluid, is included in those chemicals which need to be reduced, as it is a substance stat can harm the ozone layer



The semi-dry nead sewing machine increases its sewing speed to

5.000

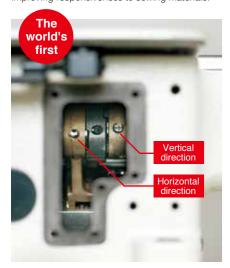
Needle bar stroke conversion mechanism

By changing over the needle bar stroke, penetrating force of the needle as well as thread tension to fit heavy-weight materials (fleece, blankets) can be obtained. The needle bar stroke can be changed by adjusting the eccentric pin. (Changing of parts is not required. Factory-set at the time of delivery: 31mm; for sewing heavy-weight materials: 33mm)

Seam quality is improved!!

Thanks to the new feed mechanism, many different types of sewing are achieved.

The feed locus can be adjusted externally. The feed locus is now adjustable in terms of the vertical direction and horizontal direction, thereby improving responsiveness to sewing materials.



Micro-lifter mechanism

Elastic material or delicate material can be sewn with the presser foot kept slightly raised. This effectively helps reduce the degree of slippage, warpage and damage of the material.

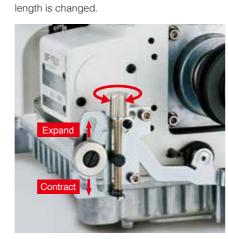


Differential-feed micro-adjustment

It is possible to finely adjust the differential feed amount to a best-suited value for the material to be used. The differential feed ratio is constant even if the stitch

mechanism





HOTLINE: 0982 085 899

The looper thread twining prevention mechanism has been improved and is provided as standard for the sewing machine.

In the case of looper thread breakage, the looper thread twining prevention mechanism is activated to trim the looper thread before the thread twines on the looper thread cam. In this way, the looper thread twining prevention mechanism prevents the looper thread from twining on the looper thread cam. In addition, the looper thread cam, which has been incorporated in the sewing machine, has been changed so that it is mounted outside of the sewing machine. The externally-mounted looper thread cam promises improved maintainability.



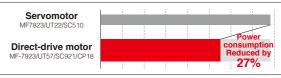
Commercially-available gauge components are applicable with no additional work.

As a result of the commonality of components, commercially-available components (presser foot, throat plate and needle clamp) are now applicable and easily obtainable.

All of the sewing machines with a thread trimmer are provided with a direct-drive motor.

The direct-drive motor system has been adopted by all of the sewing machines with a thread trimmer. As a result, the sewing machine starts up swiftly and promises increased stop accuracy, thereby demonstrating improved responsiveness. In addition, the machine is no longer provided with a V-belt. This means that the adoption of the direct-drive motor is also effective in the elimination of belt shavings. Power is directly transmitted from the motor to the sewing machine, thereby contributing to reduced power consumption. (This sewing machine reduces power consumption by 27% as compared with the conventional models.)

















The machine can be used for the hemming process of the sleeves and bottoms of T-shirts and for the covering process for sportswear and knitwear.

The front cover is trimmed to allow operators to bring their hands closer near the needle entry area, thereby increasing work efficiency in the covering process, etc.



Binder mounting base Various binders can be installed by loading the binder mounting base supplied with the unit.



List of subclass machines

Application	Seam	Model No.		الم	↓ ↓	jţ-	00	<u></u>	()
			Number of needles	Number of threads	Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4
		MF-7922-U11-B**	2	4	3.2,4.0,4.8				6,500
		MF-7923-U11-B**	3	5	5.6,6.4				0,500
ME 7000/1144		MF-7923-U11-B**/PL12, PL13	٦]	3.0,0.4				5,000
MF-7900/U11 Universal type		MF-7922-U11-B48/UT51	2	4	4.8	0.9~3.6	1:0.9~1:1.8	5 (8)	6,000
(basic type)		MF-7923-U11-B**/UT51, UT53, UT57 MF-7923-U11-B**/UT59	3	5	5.6,6.4	0.3~0.0	(1:0.6~1:1.1)		6,000
		MF-7923-U11-B**/UT52/PL12 MF-7923-U11-B**/UT57/PL13		5	5.0,0.4				5,000
		MF-7922D-U11-B40	2	4	4.0			1//	
MF-7900D/U11 Universal type (basic type)		MF-7923D-U11-B** MF-7923D-U11-B**/UT51, UT57 MF-7923D-U11-B**/UT59	3	5	5.6,6.4	0.9~3.6	1:0.9~1:1.8 (1:0.6~1:1.1)	5 (8)	5,000

MF-7923D-U11-B**/UT57/PL12

H22, H23 For hemming (with left hand fabric trimmer)







This model is best suited to hemming processes for sleeves and the bottoms of T-shirts, Polo shirts, etc. It comes with a left hand fabric trimmer for trimming fabric in parallel, at all times, to the seam with consistency. The upper knife stroke can be adjusted with ease.





★:The world's fastest ewing machine with left hand

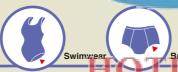
List of subclass machines

Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4		Application	Seam	Model No.	Number of needles	Number of threads	→ ⊢ Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4
	6,500				MF-7922-H22, H23-B** MF-7922-H22, H23-B48/MC40	2	4	4.0,4.8 4.8	0.9~3.6	1:0.9~1:1.8	5 (0)	6,000 *
5 (0)	5,000 6,000		MF-7900/		MF-7923-H22, H23-B** MF-7923-H22, H23-B**/MC40	3	5	5.6,6.4	0.9~3.6	(1:0.6~1:1.1)	5 (8)	6,000
5 (8)	6,000		H22,23 For hemming		MF-7922-H22, H23-B48/UT51, UT57 MF-7922-H22, H23-B48/UT57/MC37	2	4	4.8				
	5,000		(with left hand fabric trimmer)		MF-7922-H23-D40/UT59/MC37			4.0	0.9~3.6	1:0.9~1:1.8	5 (8)	6,000★
W	5,000	IECO	Th		M-7923-H22, H23-B**/UT51, UT57, UT59 MF-7923-H22, H23-B**/UT57/MC37 MF-7923-H22, H23-B**/UT59/MC37	3	5	5.6,6.4	0.5*-5.0	(1:0.6~1:1.1)	3 (0)	0,000
5 (8)	5,000	LE CU.	7 5 9		MF-7923D-H22, H23-B56 MF-7923D-H22, H23-B56/MC40	3	5	5.6,6.4				
			MF-7900D/		MF-7922D-H22, H23-B48/UT57/MC37			4.8				
Sewi	ng & l	lextile machin	(with left hand fabric	ts	MF-7922D-H22, H23-D40/UT57/MC37 MF-7922D-H23-D40/UT57, UT59/MC37	2	4	4.0	0.9~3.6	1:0.9~1:1.8 (1:0.6~1:1.1)	5 (8)	5,000
	•		trimmer)		MF-7923D-H22, H23-B**-UT51, UT57 MF-7923D-H22, H23-B**-UT57/MC37 MF-7923D-H22, H23-B**-UT59/MC37	3	5	5.6,6.4				

h length can be adjusted to 4.5mm at the maximum. *2 Differential ratio can be switched by adjustment.

lift of the presser foot is 5mm for the top and bottom coverstitch machine, and 8mm for the bottom coverstitch machine. *4 *sti/min* stands for *Stitches per Minute.*

For elastic band welting













List of subclass machines

_	iot oi oaboiaco									
	Application	Seam	Model No.	Number of needles	Number of threads	→ ⊢ Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4
	MF-7900/H11 Elastic band welting		MF-7923-H11-B**/PL12 MF-7923-H11-B**/PL13 MF-7923-H11-B**/UT52, UT57/PL12 MF-7923-H11-B**/UT57/PL13	3	5	5.6,6.4	0.9~3.6	1:0.9~1:1.8 (1:0.6~1:1.1)	5 (8)	5,000
	MF-7900D/H11 Elastic band welting		MF-7923D-H11-B**/UT57/PL13							

1 Stitch length can be adjusted to 4.5mm at the maximum. *2 Differential ratio can be switched by adjustment.
3 The numeric value indicates the lifting amount of the presser foot for top and bottom coverstitch. The numeric value given in parentheses indicates the lifting amount of the presser foot for bottom coverstitch. 4's stiffini's stands for 'Stitches per Minutes'.

(with left hand fabric trimmer, for extra light-weight materials)

(with left hand fabric trimmer and sliding presser foot, for extra light-weight materials)



The machine is best-suited for the hemming of stretchy new material such as T-shirts, underwear and sportswear, etc. The machine produces seams with no semi-cylindrical swells by performing sewing while making the feeding



lengths of the right and left needle threads equal. The sliding presser foot prevents the material hem from twisting







List of subclass machines

Application	Seam	Model No.	Number of needles	Number of threads	⊢ Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*5
MF-7900D/ H24,25		MF-7922D-H24, H25-E**/UT57,UT59/MC37	2	5	3.2,4.0	0.9~3.6	1:0.9~1:1.8	F (0)	E 000
For hemming (with left hand fabric trimmer, for extra light-weight materials)		MF-7923D-H24, H25-E**/UT57,UT59/MC37	3	5	5.6,6.4	0.3~3.0	(1:0.6~1:1.1)	5 (8)	5,000

- *1 Stitch length can be adjusted to 4.5mm at the maximum. *2 Differential ratio can be switched by adjustment. *3 The lift of the presser foot is 5mm for the top and bottom coversitich machine, and 8mm for the bottom coversitich machine, and 8mm for the bottom coversitich machine, and 8mm for the bottom coversitich machine. *4 Sliding presser foot with 1425 *5 *slit/mir stands for 'Stitches per Minute."

For elastic band attaching (with right hand fabric trimmer and tension roller)







This model is best suited to endless flat elastic band sewing processes for briefs, boxer briefs etc. The right hand fabric trimmer trims the fabric, even at a multi-layered joined part, to produce a beautiful finish with the seam and fabric edge aligned with consistency. Cloth cutting knife can be detached with one touch operation in case of sewing without using the knife.





List of subclass machines

Application	Seam	Model No.	Number of needles	Number of threads	→ I ⊢ Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4	
		MF-7922-E11-B40/PL12/MC40	2	4	4.0					
MF-7900/E11		MF-7923-E11-B**/PL12/MC40 MF-7923-E11-B**/PL13/MC40		5	5.6,6.4	0.9~3.6	1:0.9~1:1.8	5 (7)	5.000	
Elastic band attaching (with right hand fabric trimmer)		MF-7913-E11-B56/UT55,UT56/PL12/MC37 MF-7913-E11-B56/UT55/PL13/MC37	3	4	5.6	0.9~3.0	(1:0.6~1:1.1)	3(7)	5,000	
<u> </u>		MF-7913-E11-B**/UT56/PL13/MC37			5.6,6.4			1.//		
MF-7900D/E11 Elastic band attaching (with right hand fabric trimmer)		MF-7913D-E11-B56/UT56/PL13/MC37	3	4	5.6	0.9~3.6	1:0.9~1:1.8 (1:0.6~1:1.1)	5 (7)	5,000	LE CO.

band attaching

(with manual binder and tension roller)

For endless spandex elastic band attaching (with air binder and tension roller)





This model is best suited for sewing elastic bands of E22 is opened / closed with the knee lever and E23 is opened / closed with the knee switch. The machine comes provided as standard with a tension roller to smoothly sew elastic bands on different-sized garment bodies. The machine flexibly adapts to varying elasticities due to its soft seams.



List of subclass machines

 List of Subciass									
Application	Seam	Model No.	Number of needles	Number of threads	Needle gauge (mm)	Stitch length *1 (mm)	Differentialfeed ratio *2	Presser foot lifting amount *3 (mm)	Max. sewing speed (sti/min)*4
MF-7900/ E22,23 For endless spandex elastic band attaching	MF-7923-E23-B**/PL13 MF-7923-E22-B**/UT52/PL13		3	5	5.6,6.4	0.9~3.6	1:0.9~1:1.8 (1:0.6~1:1.1)	6 (7)	5,000

¹ Stitch length can be adjusted to 4.5mm at the maximum. 2 Differential ratio can be switched by adjustment.
2 The numeric value indicates the lifting amount of the presser foot for top and bottom coverstitch. The numeric value given in parentheses indicates the lifting amount of the presser foot for bottom coverstitch.
4 stifnin's stands for "Stitches per Minute."

MF-7900DRH24 series





Semi-dry head, Cylinder-bed, Bottom Coverstitch Machinewith digital type top feed / For hemming <with left hand fabric trimmer>

This mechanism prevents problems, such as twist of fabric, uneven material feed, skew of grain and stitch gathering on multi-layered sections of material, which are likely to occur when sewing elastic materials, thereby achieving stable seam quality.

Digital setting of the top feed mechanism enables easy adjustment of sewing even when the product to be sewn is changed, thereby reducing the setup time.



The machine is provided with the digital type top feed mechanism



Flat and soft seams (H24)

extile machines and Parts IONS

MF-7912DRH24	MF-7913DRH24					
Semi-dry head, 2-needle bottom covering stitch	Semi-dry head, 3-needle bottom covering stitch					
5,000 s	sti/min*					
Digital typ	e top feed					
0.9mm~3.6mm						
Push button method						
UY128GAS #9S~#12S(#10S)						
5mm ⁻	~8mm					
Lubricating oil JUKI Machine Oil 18 (equivalent to ISO VG18)						
Single-phase100V, 200V · 3-phase200V/500VA						
	Semi-dry head, 2-needle bottom covering stitch 5,000 s Digital typ 0.9mm Push butte UY128GAS #98 5mm JUKI Machine Oil 18 (e					

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

WHEN YOU PLACE ORDERS

■ Machine head

Stitch type	Code	Code Device and attachment			
2-needle bottom covering stitch	12		Pneumatic bottom thread trimming device with air blow wiper	UT56	
3-needle bottom covering stitch	13		Pneumatic cloth chip suction device	11007	
			(electromagnetic valve type)	MC37	

MF79 DRH24E UU /UT56/MC37

Needle gauge	Code	Classification by control-box voltage	Code
4.0mm	40	Single-phase 100~120V	
5.6mm	56	3-phase 200~240V	D
6.4mm	64	Single-phase 200~240V	

MF-7912 is the only needle width of 4.0mm.

■ Control box

SC921B

■ Operation panel

CP18B

UT51

Electromagnetic needle thread / looper thread trimming device / Auto-lifter

It is an electromagnetic needle thread / looper thread trimming device / Auto-lifter. The machine does not need an air compressor to achieve easy layout changing



Electromagnetic needle thread / looper thread trimming device



UT52

Electromagnetic needle thread / looper thread trimming device / Auto-lifter

It is an electromagnetic needle thread / looper thread trimming



Electromagnetic needle thread / looper thread trimming device



Short stitch device: Part No.70004376

This is a device for preventing the thread from coming undone at the end of sewing. The device is able to sew condensation stitches by the number specified as desired. It prevents the needle thread from being poorly tensed, which is likely to occur in cases where the amount of condensation is



The needle thread tightening nachine performs short stitching.



The short stitch pitch can be adiusted with ease.

Cloth puller : Gear type

This is a gear type cloth puller. It helps feed difficult-to-feed materials to assist smooth sewing.

(Example: Attaching flat elastic bands)



Cloth puller: Flat type

This is a flat type cloth puller. It helps feed soft material which requires a higher feeding force to assist sewing. (Example: Hemming)



UT53

Electromagnetic type bottom thread trimming device + **Electromagnetic type wiper / Auto-lifter**

This is an electromagnetic type bottom thread trimming device / auto-lifter. It is used for processes which do not need top covering.



UT55

Pneumatic cloth chip suction device
MC37 (solero d vave type): Part No.70004432,
MC40 (mechanical valve type): Fart No.70004434 Pneumatic type bottom thread trimming Electromagnetic type wiper / Auto-lifte

ming section of the s This is a pneumatic type bottom thread used for processes which do not need top

UT56

Pneumatic type bottom thread trimming device Air blow type wiper / Auto-lifter

This is a pneumatic type bottom thread trimming device / auto-lifter. It pneumatically handles the needle thread (i.e, places the needle thread above the presser foot) instead of the mechanical wipe

OTLINE: 0982

Compressedair / Air consumption (with automatic thread trimmer)

	Device	Top and bottom thread trimmer Auto-lifter	Bottom thread trimmer Auto-lifter	Air blow type wiper	MC37 MC40	Air consumption dm³/min (ANR)	Compressed air MPa
	UT55	_	•	_	•	456	0.5
	UT56	_	•	•	_	182	0.5
	0156		•	•	•	637	0.5
2	085 8	99•	_	_	_	0.7	
	UT57, UT59	•	_	•	_	182	0.5
	0157, 0159	•	_	_	•	456	0.5
		•	_	•	•	637	

UT57

Pneumatic type needle thread / looper thread trimming device / Auto-lifter

It is a pneumatic type needle thread / looper thread trimming device / Auto-lifter. Since the automatic lift of the presser foot and automatic thread trimming can be activated by lightly depressing the pedal, work efficiency is dramatically increased. The air blow type wiper is supplied with the sewing machine as an accessory.



Pneumatic type needle thread /



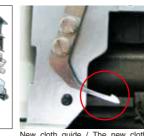
Presser lifter drive mechanism air cylinde 2 Thread trimmer drive mechanism air cylinder

UT59 cannot be attached to the machine as a device. Please order with the machine head.

Pneumatic type top and bottom thread trimming device with thread-fray-prevention function

It is the state-of-the-art function to make the thread-fray-prevention at the end of sewing more reliable





New cloth guide / The new cloth guide helps the machine perform hemming while keeping the hem

*The short stitch device (SS11) is included.

JUKI ECO PRODUCTS

The MF-7923U11B56/UT57 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.



- This sewing machine reduces power consumption by 27% as compared with the conventional models.
- 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

*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.

WHEN YOU PLACE ORDERS

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

