

MF-7200D Series

Semi-dry-head, Small-cylinder-bed, Top and Bottom Coverstitch Machine



The sewing machine is applicable to the sewing of sleeve cuffs, necklines and children's wear.

Small-cylinder-bed, Top and Bottom Coverstitch Machine



MF-7223D-U10-B56

**DRY-HEAD
TECHNOLOGY**

The advanced dry-head technology prevents oil stains.

A world-first
feature

Semi-dry-head, Small-cylinder-bed, Top and Bottom Coverstitch Machine

MF-7200D Series

Semi-dry-head, small-cylinder-bed, top and bottom coverstitch machine has been added to JUKI's product lineup. The small cylinder-bed and semi-dry head features have been achieved while placing priority on ease of use. The sewing machine supports comfortable "sewing" work.



Cylinder Bed

Outer circumference

176mm

Semi-dry-head, Small-cylinder-bed,
Top and Bottom Coverstitch Machine

MF-7200D

Series



A world-first feature

DRY-HEAD TECHNOLOGY



The frame no longer requires oiling.

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 treatment. 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.

★ Dichlorodifluoroethane (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 that can harm the ozone layer.

The cylinder has the industry's smallest diameter.



Stress-free

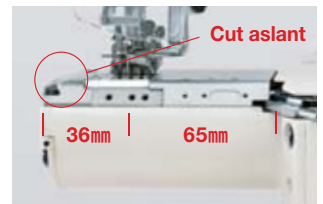
Outer circumference of the cylinder section is 176 mm!! *

- The outer circumference of the cylinder section has been reduced to 176 mm. This allows the sewing machine to easily sew conventionally hard-to-sew small-in-diameter tubular parts such as the sleeve cuffs of sportswear and ladies' cut-and-sewn wear and the necklines of children's wear.

* Outer circumference measured at the needle entry section of the small cylinder bed type sewing machine

The sewing machine has been designed to achieve ease of use, placing the highest priority on easy handling and placement of the material on the sewing machine.

- The distance from the needle entry to the top end of the cylinder bed has been reduced to 36 mm, thereby facilitating the sewing and handling of the sharp curves of the armholes of children's wear.
- The cylinder length from its top end to the root has been increased to 65 mm, thereby ensuring easier sewing of the long sleeve cuffs of sweat shirts.
- Since the top end of the cylinder bed has been cut aslant, placement/removal of the material on/from the sewing machine is carried out with ease.
- The front cover has been tilted and shifted to the right. As a result, the distance from the machine arm to the needle has been widened to increase ease of work.



MF-7223D-U10-B56

Lineup

MF-7200D series

Semi-dry-head, Small-cylinder-bed, Top and Bottom Coverstitch Machine

MF-7200D/UT42 series

Semi-dry-head, Small-cylinder-bed, Top and Bottom Coverstitch Machine with Electromagnetic Type Top and Bottom Thread Trimming Device

MF-7200D/UT45 series

Semi-dry-head, Small-cylinder-bed, Top and Bottom Coverstitch Machine with Pneumatic Type Top and Bottom Thread Trimming Device

The sewing machine comes with new mechanisms which contribute to an added energy-saving effect and user-friendliness.

Timing Belt Drive(TBD)

The sewing machine has adopted the timing-belt drive method to achieve sewing without any loss of driving force.

Belt abrasion powder which can stain the product is no longer produced. Setup of the conventional belt is troublesome, but now easier setup of the belt is also achieved by the adoption of the timing belt.

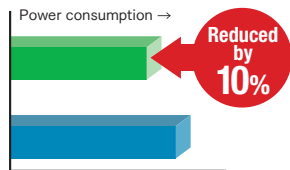
In addition, the motor size has been reduced to achieve energy-saving.



Comparison of power consumption

SC-921A・Timing Belt Drive (MF-7200D/UT42/TBD)

SC-510・V-Belt Drive (MF-7800D/UT22/Servomotor)



*When the sewing machine availability factor is 25%.

*When the MF-7200D/UT42/TBD/SC-921A runs under the energy-saving mode.

SC-921A/CP-18B

The new model control box and the new model control panel

The new model control box SC-921A has been newly developed. The control box is resistant to voltage fluctuations, noise and vibration.

The new model control box is provided with an energy-saving mode for the first time in a control box for sewing machines. It reduces power consumption during standby time when the motor is not rotating.

The new model operation panel, CP-18B has been adopted. The CP-18B is installed with a product support function.

■Output control function

- Target No. of products display mode
- Target-actual result difference display mode

■Operation measuring function

- Sewing machine availability display mode
- Pitch time display mode
- Average speed of stitch display mode

* The timing belt drive method and SC-921A/CP-18B have only been adopted by the sewing machine series provided with a thread trimmer (UT42, UT45).

JUKI ECO PRODUCTS

The MF-7200D/UT42 Series is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.



- This sewing machine reduces power consumption by 10% 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.
- As compared with the conventional model, the MF-7200D/UT42 Series reduces noise by 1.0dB.

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.

★The MF-7200D/UT45 Series (with pneumatic type top and bottom automatic thread trimming device) and the MF-7200D Series (without automatic thread trimmer) are also a JUKI ECO PRODUCTS certified product

Simple adjustment and comfortable work

The machine comes with diverse and trouble-free functions in consideration of the shop-floor.

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.



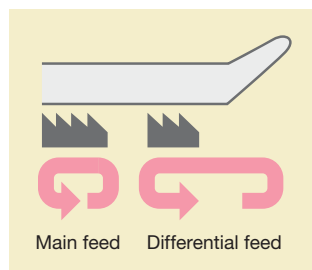
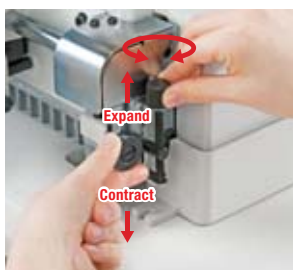
Stitch length adjusting mechanism

Stitch pitch (stitch length) can be adjusted with ease simply by turning the stitch dial.



Differential-feed micro-adjustment mechanism

It is possible to finely adjust the differential feed amount to a best-suited value for the material to be used. In addition, the differential feed ratio remains the same even when the stitch length is changed.



Auxiliary cover

The bed seat has been provided as standard with the auxiliary cover.

By using this cover, the sewing machine is not only applicable to the sewing of tubular products, but also to a broad range of processes, as in the case of the sewing machines with a flat bed. In addition, the top-loading binder can be installed with ease.



U10 Universal type

(basic type)



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. It is a basic one which can be used for a broader range of processes independently.

The sewing machine supports hemming and covering (single-side bent and flattening) by the use of the guide supplied with the unit.



K10 For covering



This model is best suited to the covering processes for polo shirts, sportswear and knit outers, etc.

The sewing machine has been provided as standard with an exclusive gauge (throat plate, feed dog) and guide for flattening.

The sewing machine is also supplied with a guide for covering (folding over overlock seams) and a hemming guide (excluding the throat plate) as accessories.



● Three guides supplied with the U10.



For hemming

For covering
(folding over
overlock seams)

For covering
(flattening out
overlock seams)

● Guide to be changed between the U10 and K10

Model name	U10		K10 (flattening out overlock seams)	
Needle gauge	5.6mm	6.4mm	5.6mm	6.4mm
Throat plate (tongue shape of throat plate*)	B	40086230	40090240	40086242
	D	40086227	40090245	(B type only)
Main feed dog	40086228		40086231	
Differential-feed dog	40086229		40090243	

★ To change the type of sewing machine to a different one, the appropriate throat plate, main feed dog and differential feed dog should be purchased.

* For the shape of the throat plate, B type is standard. The D type throat plate allows the needle thread to stretch moderately.

■ List of subclass

MF-7200D SUBCLASS	Seam	Model No.	Number of needles	Number of threads	Needle gauge (mm)	Stitch length (mm)	Differential feed ratio
U10 Universal type (basic type)		MF-7223D-U10-B56	3	5	5.6	Maximum 4.2mm (Possible by adjustment)	1:0.8~1:1.8
		MF-7223D-U10-B64	3	5	6.4		
K10 For covering		MF-7223D-K10-B56	3	5	5.6		
		MF-7223D-K10-B64	3	5	6.4		

■ Device

UT42

Electromagnetic type top and bottom thread trimming device/Auto-lifter

It is an electromagnetic type automatic thread trimming device/auto-lifter.

The machine does not need an air compressor to achieve easy layout changing.



MF-7223D-U10-B56/UT42

UT45

Pneumatic type top and bottom thread trimming device/Auto-lifter

It is a pneumatic automatic thread trimming device/auto-lifter.

Since the automatic lift of the presser foot and automatic thread trimming can be activated by depressing the pedal, work efficiency is dramatically increased.



MF-7223D-K10-B56/UT45

Compressed air / Air consumption (sewing machine with UT45)

By using an air blow type wiper nozzle (supplied as an accessory), the needle thread can be blown upon thread trimming at the end of bottom coverstitching.



Air blow type wiper

Air blow type wiper	Compressed air MPa	Air consumption dm ³ /min (ANR)
—	0.5	0.7
○		182

SPECIFICATIONS

Model name	MF-7200D Series
Stitch type	3-needle top and bottom covering stitch
Max. sewing speed	4,000sti/min*(under the intermittent operation mode)
Needle	UY128GAS (#10S) #9S ~ #12S
Lift of the presser foot	8mm (needle gauge 5.6mm, without top covering stitch), 5mm (with top covering stitch)
Stitch pitch adjustment	By dial
Differential feed adjustment	By micro-adjustment mechanism
Lubrication	Semi-dry/Automatic (frame: no lubrication)
Lubricating oil	JUKI MACHINE OIL 18 (equivalent to ISO VG18)
Feed dog inclination adjustment	Provided as standard
Micro-lifter	Provided as standard
Needle bar stroke converting function	31mm
Silicon oil tank for needle thread	Provided as standard
Cartridge oil filter	Provided as standard
Weight of the machine head	42kg (without device), 44kg (with UT45), 48kg (with UT42)

*"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:

without automatic thread trimmer

MF72 **D** **B**

Stitch type	Code
3-needle, top and bottom coverstitch	23

Application	Code
Universal type	U10
Coverring	K10

Tongue shape of throat plate	Code
B type	B

Needle gauge	Code
3.2mm*	32
4.0mm*	40
4.8mm*	48
5.6mm	56
6.4mm	64

*Needle gauges of "3.2 mm," "4.0 mm" and "4.8 mm" are available by the use of the appropriate gauge. In the case of the aforementioned needle gauges, a 2-needle machine head is used.

with automatic thread trimmer

MF72 **D** **B** **UT**

Stitch type	Code
3-needle, top and bottom coverstitch	23

Application	Code
Universal type	U10
Coverring	K10

Tongue shape of throat plate	Code
B type	B

Needle gauge	Code
3.2mm*	32
4.0mm*	40
4.8mm*	48
5.6mm	56
6.4mm	64

Thread trimming device	Code
Electromagnetic type top and bottom thread trimming device	42
Pneumatic type top and bottom thread trimming device	45

*Needle gauges of "3.2 mm," "4.0 mm" and "4.8 mm" are available by the use of the appropriate gauge. In the case of the aforementioned needle gauges, a 2-needle machine head is used.

Control box

SC921A

Control panel

CP18B

● To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE

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

- ① The development of products and engineering processes that are safe to the environment
- ② Green procurement and green purchasing
- ③ Energy conservation (reduction in carbon-dioxide emissions)
- ④ Resource saving (reduction of papers purchased, etc.)
- ⑤ Reduction and recycling of waste
- ⑥ Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)



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- * 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.