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

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.

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

**MF-7200D Series**
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.

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 substances that can harm the ozone layer.

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.

The cylinder has the industry’s smallest diameter.

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.

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.

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.

### 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.

**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.

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

**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.

### 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.

### 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 Guidelines 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/UT42 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.

### 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 mechanism availability factor is 25%.
*When the MF-7200D/UT42/TBD/SC-921A runs under the energy-saving mode.
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.

### List of subclass

<table>
<thead>
<tr>
<th>MF-7200D SUBCLASS</th>
<th>Seam</th>
<th>Model No.</th>
<th>Number of needles</th>
<th>Number of threads</th>
<th>Needle gauge (mm)</th>
<th>Stitch length (mm)</th>
<th>Differential feed ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U10</strong> Universal type (basic type)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MF-7223D-U10-B56</td>
<td>3</td>
<td>5</td>
<td>5.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MF-7223D-U10-B64</td>
<td>3</td>
<td>5</td>
<td>6.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>K10</strong> For covering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MF-7223D-K10-B56</td>
<td>3</td>
<td>5</td>
<td>5.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MF-7223D-K10-B64</td>
<td>3</td>
<td>5</td>
<td>6.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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.

#### 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.

### Guide to be changed between the U10 and K10

<table>
<thead>
<tr>
<th>Model name</th>
<th>U10</th>
<th>K10 (flattening out overlock seams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Needle gauge</td>
<td>5.6mm</td>
<td>6.4mm</td>
</tr>
<tr>
<td>Throat plate (tongue shape of throat plate)</td>
<td>B</td>
<td>40086230</td>
</tr>
<tr>
<td>D</td>
<td>40086227</td>
<td>40090245</td>
</tr>
<tr>
<td>Main feed dog</td>
<td>40086228</td>
<td>40086231</td>
</tr>
<tr>
<td>Differential feed dog</td>
<td>40086229</td>
<td>40090243</td>
</tr>
</tbody>
</table>

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.

### Compressed air / Air consumption (sewing machine with UT45)

<table>
<thead>
<tr>
<th>Air blow type wiper nozzle</th>
<th>Compressed air MPa</th>
<th>Air consumption dm3/min (ANR)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5</td>
<td>0.7</td>
</tr>
<tr>
<td></td>
<td>182</td>
<td>0.7</td>
</tr>
</tbody>
</table>
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>MF-7200D Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stitch type</td>
<td>3-needle top and bottom covering stitch</td>
</tr>
<tr>
<td>Max. sewing speed</td>
<td>4,000st/min*</td>
</tr>
<tr>
<td>Needle</td>
<td>UY128GS (#10S) #9S ~ #12S</td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>8mm (needle gauge 5.6mm, without top covering stitch), 5mm (with top covering stitch)</td>
</tr>
<tr>
<td>Stitch pitch adjustment</td>
<td>By dial</td>
</tr>
<tr>
<td>Differential feed adjustment</td>
<td>By micro-adjustment mechanism</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Semi-dry/Automatic (frame: no lubrication)</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI MACHINE OIL 18 (equivalent to ISO VG18)</td>
</tr>
<tr>
<td>Feed dog inclination adjustment</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Micro-lifter</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Needle bar stroke converting function</td>
<td>31mm</td>
</tr>
<tr>
<td>Silicon oil tank for needle thread</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Cartridge oil filter</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Weight of the machine head</td>
<td>42kg (without device), 44kg (with UT45), 48kg (with UT42)</td>
</tr>
</tbody>
</table>

*“st/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
  - Covering: 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

**with automatic thread trimmer**

```
MF72 [D] [B] [UT]
```

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

- **Application Code**
  - Universal type: U10
  - Covering: 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
```

**Operation panel**

```
CP18B
```

*For the timing-belt drive type machine, it is necessary to purchase the control box SC-921A and the operation panel CP-18B. The functions of the operation panel CP-18B are Max. sewing speed control, the production support function (performed by foot pedal), the changes of parameters and ON/OFF of the auto-lifter(option).

*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.

To order, please contact your nearest JUKI distributor.

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**Notes:**
- 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.