Super-high-speed, Cylinder-bed, Overlock Machine

MO-6900C Series

MO-6914C
MO-6900C Series

New and powerful machine for sewing tubular materials!

The MO-6900C Series sewing machine, provided with a small-in-diameter cylinder bed, is capable of runstitching or blind-hemming tubular materials, such as sleeve cuffs, with ease. The operator can carry out sewing of the tubular material while turning it downward. This promises improved workability and contributes to dramatically increased productivity.

- 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 enable sewing with a lower tension applied to the material, it achieves soft-feeling high-quality seams.

- Mechanisms that promise improved operability.
  Since the machine is provided as standard with the bottom feed dog inclination-adjusting mechanism and the external differential feed-increasing mechanism, it can be easily adjusted to ideally match the material being sewn. In addition, the machine is provided as standard with a micro lifter feature that offers improved responsiveness to materials, and provides the operator with upgraded operability. The stitch length can be easily adjusted with the push-button mounted on the front surface of the sewing 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. The machine is provided as standard with a cartridge type oil filter and cooling fan, thereby ensuring enhanced reliability.

- The needle thread heat remover and needle cooler are equipped as standard.
  To offer improved sewing capabilities as well as to prevent stitching mishaps during high-speed sewing, the machine is provided as standard with the needle thread heat remover and needle cooler.

- Small-in-diameter cylinder bed.
  The cylinder bed is bestsuited to the runstitching and blind hemming of tubular materials. Gauges and devices you have used with your existing JUKI machines are also interchangeable with no additional machining required. This eliminates both the waste of resources and unwanted extra costs.
## SUBCLASS MACHINE LIST

<table>
<thead>
<tr>
<th>Seams</th>
<th>Model No.</th>
<th>Materials</th>
<th>Number of needles</th>
<th>Number of threads</th>
<th>Overedging width (mm)</th>
<th>Number of feed dog rows</th>
<th>Needle gauge (mm)</th>
<th>Stitch length (mm)</th>
<th>Bottom differential feed ratio</th>
<th>Presser lifting amount (mm)</th>
<th>Needle system</th>
<th>Max. sewing speed (rpm)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-needle overlock</td>
<td>MO-6904C-0D6-307</td>
<td>L-M</td>
<td>1</td>
<td>3</td>
<td>3.2</td>
<td>3</td>
<td>3.5</td>
<td>1:0.8–1:2.3</td>
<td>7</td>
<td>DC ¥ 27 #11</td>
<td>8,000</td>
<td>Upper looper extra high throw type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MO-6904C-0E6-307</td>
<td>L-M</td>
<td>1</td>
<td>3</td>
<td>4.0</td>
<td>3</td>
<td>3.5</td>
<td>1:0.8–1:2.3</td>
<td>7</td>
<td>DC ¥ 27 #11</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MO-6904C-0F4-307</td>
<td>L-M</td>
<td>1</td>
<td>3</td>
<td>4.8</td>
<td>2</td>
<td>3.5</td>
<td>1:0.8–1:2.3</td>
<td>7</td>
<td>DC ¥ 27 #14</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-needle overlock</td>
<td>MO-6914C-BD4-307</td>
<td>L-M</td>
<td>2</td>
<td>4</td>
<td>2.0</td>
<td>3</td>
<td>2.5</td>
<td>1:0.8–1:2.3</td>
<td>6.5</td>
<td>DC ¥ 27 #11</td>
<td>8,000</td>
<td>Upper looper extra high throw type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MO-6914C-BD6-307</td>
<td>L-M</td>
<td>2</td>
<td>4</td>
<td>2.0</td>
<td>3</td>
<td>2.5</td>
<td>1:0.8–1:2.3</td>
<td>6.5</td>
<td>DC ¥ 27 #11</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MO-6914C-BE6-307</td>
<td>L-M</td>
<td>2</td>
<td>4</td>
<td>4.0</td>
<td>3</td>
<td>3.5</td>
<td>1:0.8–1:2.3</td>
<td>6.5</td>
<td>DC ¥ 27 #11</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## DEVICES AND ATTACHMENTS

### Chain-off thread trimming device
- **T043** MAT-0430000A0 Pneumatic side cutter

### Blower-type chain-off thread suction device
- **MC-7B** Blower-type chain-off thread suction device + cloth chips
- **MC-38** Pneumatic chain-off thread + cloth chips
- **MC-39** Function of MC-8 + auto-lifer

*The aforementioned devices are not equipped with air regulator. Please purchase the following components when you need to regulate air pressure.*

- **FP-0550010-90** Air regulator (FR unit asm.)
- **GMO-01080001** Fixing screw for FR unit asm.
- **F1021-003-000** Tube connector (male)
- **GAS-12063000** One-touch connector

### Auto-lifer
- **AK93** GAK-900000A0 Pneumatic type (knee-operated)
- **AK94** GAK-940000A0 Pneumatic type (with chain-off thread suction device)
- **AK102** GAK-A02000A0 Pneumatic type (for servomotor)

### Blind hemming device
- **L124** MAL-1240000A0 Blind stitch hemming attachment A ruler used for blind hemming in knits
- **L125** MAL-125001A0 Automatic folded-edge controlled blind hemming device For flat upper inle For 110, 115, 220, 240V
- **MAL-125002A0** For square upper inle For 220, 380, 415, 440V
- **MAL-125001AA** For flat upper inle For 220, 380, 415, 440V
- **MAL-125002AA** For square upper inle For 220, 380, 415, 440V

### Cloth tensioner
- **TR01** Small-diameter roller for rib attaching
- **TR02** Large-diameter cloth tensioner

### Ruler, Miscellaneous
- **H153** MAH-1530000A0 Cloth edge guide ruler A swing type edge guide.
- **122-26155** Cloth plate Wider material can be sewn by attaching the cloth plate.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>MO-6904C</th>
<th>MO-6914C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model name</strong></td>
<td>MO-6904C</td>
<td>MO-6914C</td>
</tr>
<tr>
<td><strong>Stitch type</strong></td>
<td>1-needle overlock</td>
<td>2-needle overlock</td>
</tr>
<tr>
<td><strong>Stitch style in the U.S.A.</strong></td>
<td>504</td>
<td>514</td>
</tr>
<tr>
<td><strong>Max. sewing speed</strong></td>
<td>8,000rpm</td>
<td></td>
</tr>
<tr>
<td><strong>Stitch length</strong></td>
<td>0.8~3.5mm</td>
<td></td>
</tr>
<tr>
<td><strong>Needle gauge (mm)</strong></td>
<td>3.2, 4.0, 4.8</td>
<td>3.2, 4.0</td>
</tr>
<tr>
<td><strong>Overedging width (mm)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Differential feed ratio</strong></td>
<td>For gathering 1:2.3 (max. 1:4.5), For stretching 1:0.8</td>
<td></td>
</tr>
<tr>
<td><strong>Needle bar stroke</strong></td>
<td>24.5mm</td>
<td></td>
</tr>
<tr>
<td><strong>Inclination angle of the needle</strong></td>
<td>20°</td>
<td></td>
</tr>
<tr>
<td><strong>Needle mechanism</strong></td>
<td>Needle bar method and upper/lower bushing</td>
<td></td>
</tr>
<tr>
<td><strong>Max. lift of the presser foot</strong></td>
<td>7mm (excluding some subclass model)</td>
<td></td>
</tr>
<tr>
<td><strong>Max. presser foot pressure</strong></td>
<td>63.7N (6.5kg)</td>
<td></td>
</tr>
<tr>
<td><strong>Stitch adjusting method</strong></td>
<td>By push-button</td>
<td></td>
</tr>
<tr>
<td><strong>Differential-feed adjusting method</strong></td>
<td>By lever</td>
<td></td>
</tr>
<tr>
<td><strong>Weight of the machine head</strong></td>
<td>24kg</td>
<td></td>
</tr>
<tr>
<td><strong>Lubrication</strong></td>
<td>Automatic</td>
<td></td>
</tr>
<tr>
<td><strong>Lubricating oil</strong></td>
<td>JUKI Machine Oil 18 (equivalent to ISO VG18)</td>
<td></td>
</tr>
<tr>
<td><strong>Needle cooler</strong></td>
<td>Provided as standard</td>
<td></td>
</tr>
<tr>
<td><strong>Needle thread heat remover</strong></td>
<td>Provided as standard</td>
<td></td>
</tr>
<tr>
<td><strong>Micro-lifter</strong></td>
<td>Provided as standard</td>
<td></td>
</tr>
</tbody>
</table>

### WHEN YOU PLACE ORDERS

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

**MO69**

- **Stitch type**
  - 1-needle overlock: 504 04
  - 2-needle overlock: 514 14

- **Needle gauge (mm)**
  - 3.2: 3-row code 0D6
  - 4.0: 3-row code 0E6
  - 4.8: 2-row code 0F4

- **Overedging width (mm)**
  - 3.2: 3-row code BD4
  - 4.0: 3-row code BD6

- **Feed dog**
  - 2.0: Code BE6

- **Material**
  - Light to medium-weight

- **Application**
  - For general fabrics

- **Special machine classification**
  - Upper looper high throw
  - Code 307

- **Code**

To order, please contact your nearest JUKI distributor.