The ultimate model born from the TAJIMA technology evolution

The highest quality materialized by pinpoint accuracy
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The TAJIMA Cylinder Type TMAR-KC Series is born.
The embodiment of TAJIMA’s technologies with high production efficiency, ultimate quality, overwhelming durability and performance.

**Technology for Elaborate Embroidery to Detail**

A newly developed digitally-controlled presser foot that can adjust its bottom dead center\(^*\) and stroke for each needle bar (color change) has been employed. Since the presser foot can press fabric with the timing and force according to the fabric, the fabric does not flip-flop, and thread breakage at stitching start decreases dramatically. From thin fabric to thick fabric, such as tulle, cotton, silk, leather and quilting, this presser foot makes it possible to do high-precision embroidery. In addition, since needle wobbling at the time of needle insertion has been reduced by 60%, detailed embroidery can be finished beautifully.

\(^*\)The bottom dead center can be adjusted from the operation panel in units of 0.1mm. It can also be adjusted by using the switch on the tension base.

**Features**

- Easy Maintenance
  - By introducing the crank drive, a new driving system, into the embroidery machine head, overwhelming durability has been realized. Also, maintenance has become simpler, and the lubricating frequency has been reduced to one-twentieth (once in 6 months).
  - When the operation is stopped during appliqué embroidery, for example, and the frame is moved manually, the offset lamp on the tension base lights up in blue.\(^*\)
  - If an abnormality is detected on any head, the maintenance lamp of the problem head lights up in yellow.\(^*\)
  - Presetting on the operation panel is required.

- Lamp for Quick Confirmation

- Touch-operation Display

- For Making Value-added Products
  - For preserving stable quality, it is important to adjust the thread tension according to thread, fabric and design. The newly designed middle thread guide\(^*\) PAT.P has halved the thread tension setting time for one needle compared with our conventional middle thread guide. You can set thread tension easily.
  - Since the tension and stroke of the thread take-up spring, which have been adjusted for each head, can now be adjusted for each needle bar and the adjustment can be made according to thread type and stitching method, the applicable thread variety from thin thread to thick thread has expanded dramatically. When the easily-attachable/detachable thick thread part set\(^*\) is used, thick thread embroidery can be done easily.

\(^*\)The Border Frame is available as an option.

- Reinforced Frame Drive
  - Since the frame drive system was reviewed and the rigidity of the Border Frame was reinforced, high-quality embroidery can be realized even in high-speed operation. Even in fine, dense embroidery, shrinkage has been minimized.

- The bottom dead center can be adjusted from the operation panel in units of 0.1mm.
- It can also be adjusted by using the switch on the tension base.

- Thick thread embroidery is applicable with needle sizes #16 and higher only type DB K5-Z3 (TAJIMA exclusive needle).
- Thick thread part set is available as an option.
Multi-head Automatic Embroidery Machine TAJIMA DNA.

**For Making Value-added Products**

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### Easy Maintenance

By introducing the crank drive, a new driving system, into the embroidery machine head, overwhelming durability has been realized. Also, maintenance has become simpler, and the lubricating frequency has been reduced to one-twentieth (once in 6 months).

### Lamp for Quick Confirmation

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If an abnormality is detected on any head, the maintenance lamp of the problem head lights up in yellow.

※Presetting on the operation panel is required.

### Touch-operation Display

This display is equipped with an intuitive, easy-to-use operation panel with easily identifiable icons, and a high-capacity memory that can store up to 40 million stitches or 650 designs.

### Reinforced Frame Drive

Since the frame drive system was reviewed and the rigidity of the Border Frame was reinforced, high-quality embroidery can be realized even in high-speed operation. Even in fine, dense embroidery, shrinkage has been minimized.

※The Border Frame is available as an option.
### Sequin Device IV
A device for embroidering various sequins: small-diameter sequins, large-diameter sequins, irregular-shaped sequins and eccentric sequins.

<table>
<thead>
<tr>
<th>Model</th>
<th>Needles</th>
<th>Heads</th>
<th>Head Interval</th>
<th>Embroidery Space per Head Depth × Width (D × W mm): Inside Dimension</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAR-K902C</td>
<td>5</td>
<td>2</td>
<td>050</td>
<td>450×500</td>
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</tbody>
</table>

**Factory option**
- Automatic Lubrication System, Sequin Device IV, Sequin Device II, Twin Type, Position Marker
- High-speed Cord Cutting Device, Boring Device (not applicable with semi-wide cap frames)
- Beam Sensor, LED Lighting Device, Under Thread Winder
- Border Frame, Cap Frame, Cylindrical Frame, Pocket Frame

**Speed**
- Max. 1,100 rpm

**Power**
- 3-phase, 200-240V, 350/380/400/415/440V
- Single phase, 100-120V, 200-240V
- 320w/570VA ~ 580w/910VA

*The practical embroidery space and the rotational speed vary depending on the embroidery product and machine model and operating conditions.

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