



● TMAR-KC Series Catalog [Cylinder Type]

# TMAR-KC

## Series

Multi-head Automatic Embroidery Machine



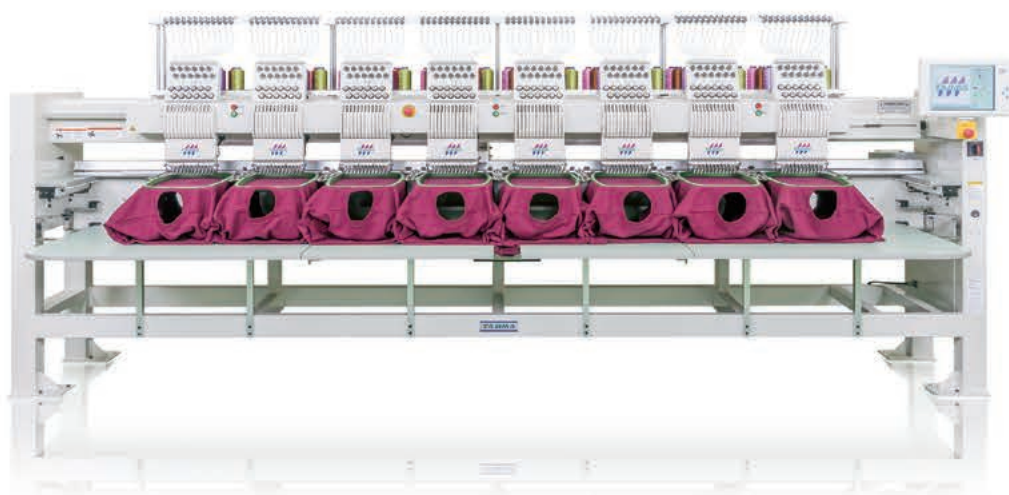
The ultimate model born from the TAJIMA technology evolution

The highest quality materialized by pinpoint accuracy



Multi-head Automatic Embroidery Machines

# TMAR-KC Series



The ultimate model born from the TAJIMA technology evolution

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.

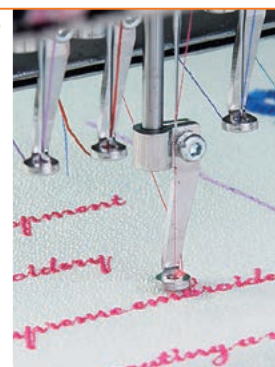
## Technology for Elaborate Embroidery to Detail

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



## Features

### For Making Value-added Products

※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.

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<sup>※</sup> is used, thick thread embroidery can be done easily.



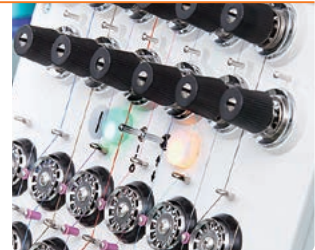
### Easy Maintenance

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

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.

●Offset lamp

●Maintenance lamp

### 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

※The Border Frame is available as an option.

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.

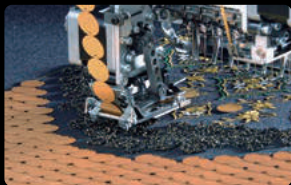


TMAR-KC 	TMAR-KC 	TMAR-KC 	TMAR-KC 	TMAR-KC 	Embroidery Space per Head Depth × Width (D × W <sub>mm</sub> ) : Inside Dimension				TMAR-KC 			
					Model	Needles	Heads	Head Interval	Normal	Wide Cap Frame	Semi-wide Cap Frame	Tubular Frame
TMAR-K902C	9	2	500	450×500	75×360	83×180		439×419	170×60 (100/75×140)	2,260	1,355	1,760
TMAR-K1202C	12	2	500	450×500				439×419		2,260	1,355	1,760
TMAR-K1502C	15	2	500	450×500				439×419		2,260	1,355	1,760
TMAR-K904C	9	4	360	450×360				439×279		2,560	1,355	1,760
TMAR-K1204C	12	4	360	450×360				439×279		2,560	1,355	1,760
TMAR-K1504C	15	4	360	450×360				439×279		2,560	1,355	1,760
TMAR-K904C	9	4	500	450×500				439×419		3,260	1,355	1,770
TMAR-K1204C	12	4	500	450×500				439×419		3,260	1,355	1,770
TMAR-K1504C	15	4	500	450×500				439×419		3,260	1,355	1,770
TMAR-K906C	9	6	360	450×360				439×279		3,280	1,355	1,770
TMAR-K1206C	12	6	360	450×360				439×279		3,280	1,355	1,770
TMAR-K1506C	15	6	360	450×360				439×279		3,280	1,355	1,770
TMAR-K906C	9	6	500	450×500				439×419		4,260	1,355	1,770
TMAR-K1206C	12	6	500	450×500				439×419		4,260	1,355	1,770
TMAR-K1506C	15	6	500	450×500				439×419		4,260	1,355	1,770
TMAR-K908C	9	8	360	450×360				439×279		4,000	1,355	1,770
TMAR-K1208C	12	8	360	450×360				439×279		4,000	1,355	1,770
TMAR-K1508C	15	8	360	450×360				439×279		4,000	1,355	1,770
TMAR-K908C	9	8	500	450×500				439×419		5,260	1,355	1,790
TMAR-K1208C	12	8	500	450×500				439×419		5,260	1,355	1,790
TMAR-K1508C	15	8	500	450×500	439×419	5,260	1,355	1,790				

<b>Factory option</b>	Automatic Lubrication System, Sequin Device IV, Sequin Device III Twin Type, Position Marker	<b>Speed</b>	Max. 1,100 rpm
<b>Options</b>	High-speed Cording Device, Boring Device (not applicable with semi-wide cap frames) Beam Sensor, LED Lighting Device, Under Thread Winder	<b>Power</b>	3-phase, 200-240V, 350/380/400/415/440V Single phase, 100-120V, 200-240V
<b>Optional Frames</b>	Border Frame, Cap Frame, Cylindrical Frame, Pocket Frame	<b>Power consumption</b>	320w(570VA) ~ 580w(910VA)

※The practical embroidery space and the rotational speed vary depending on embroidery product and machine model and operating conditions.  
 ※No registered trademark or design of the products contained in this catalog may be used without prior permission.

### Factory option



**Sequin Device IV**  
 A device for embroidering various sequins: small-diameter sequins, large-diameter sequins, irregular-shaped sequins and eccentric sequins.



**Sequin Device III [Twin Type]<PAT>**  
 A device for embroidering 2 different sequins by freely switching them at high speed.

○ The specifications and designs of our products are subject to change without notice for performance improvement.

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