

# TMEG

Multi-head Automatic Embroidery Machines

# TAJIMA

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## TMEG SERIES

Models	Heads	Head interval	Depth	Embroidery space (D x W mm)		Table size (L x W)
				All-head/Alternate	Border/Continuous design	
TMEG-908-608	8	480	450	450 x 480	450 x 3,840	1,340 x 5,010
			680	680 x 480	680 x 3,840	1,785 x 5,010
-910-610	10	345(W)	450	450 x 345(690)	450 x 3,450	1,340 x 4,820
			680	680 x 345(690)	680 x 3,450	1,785 x 4,820
-910-610	10	400	450	450 x 400	450 x 4,000	1,340 x 5,070
			680	680 x 400	680 x 4,000	1,785 x 5,070
-G910-G610	10	480	450	450 x 480	450 x 4,800	1,340 x 6,160
			680	680 x 480	680 x 4,800	1,785 x 6,160
-912-612	12	275(W)	450	450 x 275(550)	450 x 3,300	1,340 x 4,520
			680	680 x 275(550)	680 x 3,300	1,785 x 4,520
-912-612	12	345	450	450 x 345	450 x 4,140	1,340 x 5,160
			680	680 x 345	680 x 4,140	1,785 x 5,160
-G912-G612	12	400	450	450 x 400	450 x 4,800	1,340 x 6,060
			680	680 x 400	680 x 4,800	1,785 x 6,060
-G914-G614	14	345	450	450 x 345	450 x 4,830	1,340 x 6,040
			550	550 x 345	550 x 4,830	1,540 x 6,040
-915-615	15	275	450	450 x 275	450 x 4,125	1,340 x 5,070
			550	550 x 275	550 x 4,125	1,540 x 5,070
-G915-G615	15	330	450	450 x 330	450 x 4,950	1,340 x 6,160
			550	550 x 330	550 x 4,950	1,540 x 6,160
-616	16	240(W)	450	450 x 240(480)	450 x 3,840	1,340 x 5,010
-G918-G618	18	275	450	450 x 275	450 x 4,950	1,340 x 6,085
			550	550 x 200(400)	550 x 4,000	1,340 x 5,070
-620	20	200(W)	450	450 x 200(480)	450 x 4,800	1,340 x 6,160
			550	550 x 240(480)	550 x 4,800	1,540 x 6,160
-G620	20	240(W)	450	450 x 200(400)	450 x 4,800	1,340 x 6,060
			550	550 x 200(400)	550 x 4,800	1,540 x 6,060
-G624	24	200(W)	450	450 x 162.5(325)	450 x 3,900	1,340 x 4,895
			550	550 x 200(400)	550 x 4,800	1,540 x 6,060
-424	24	162.5(W)	450	450 x 162.5(325)	450 x 3,900	1,340 x 4,895
-324	24	135.4(W)	450	450 x 135.4(270.8)	450 x 3,249.6	1,340 x 4,195
-G430	30	162.5(2W)	450	450 x 162.5(487.5)	450 x 4,875	1,340 x 6,235
			550	550 x 162.5(487.5)	550 x 4,875	1,540 x 6,235

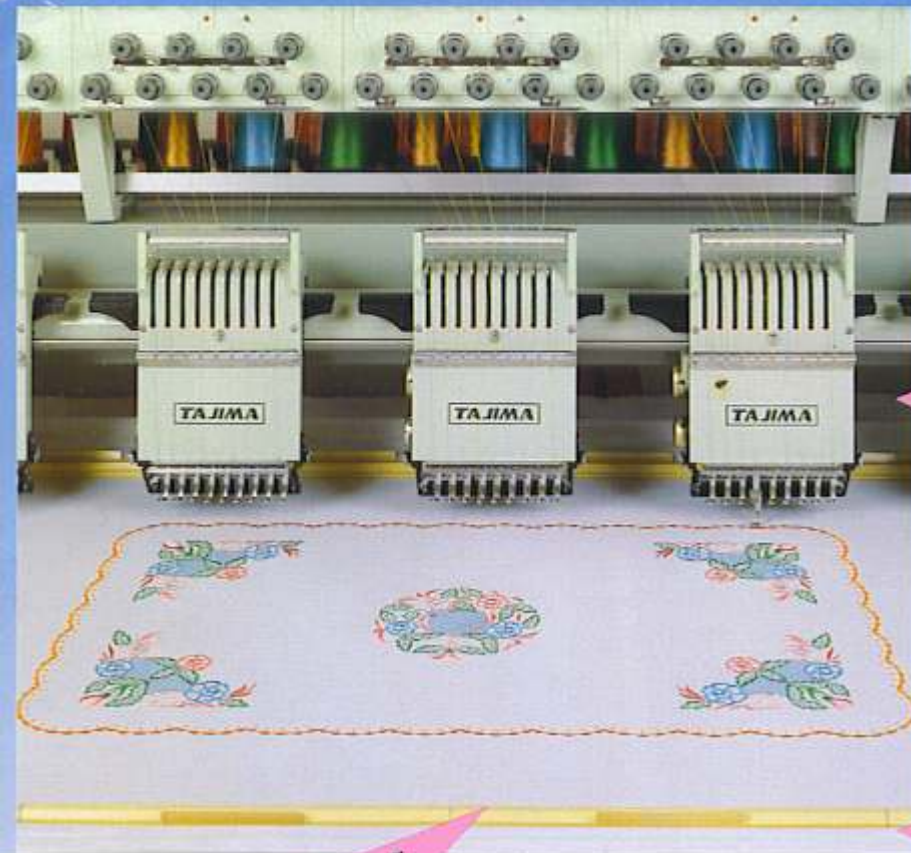
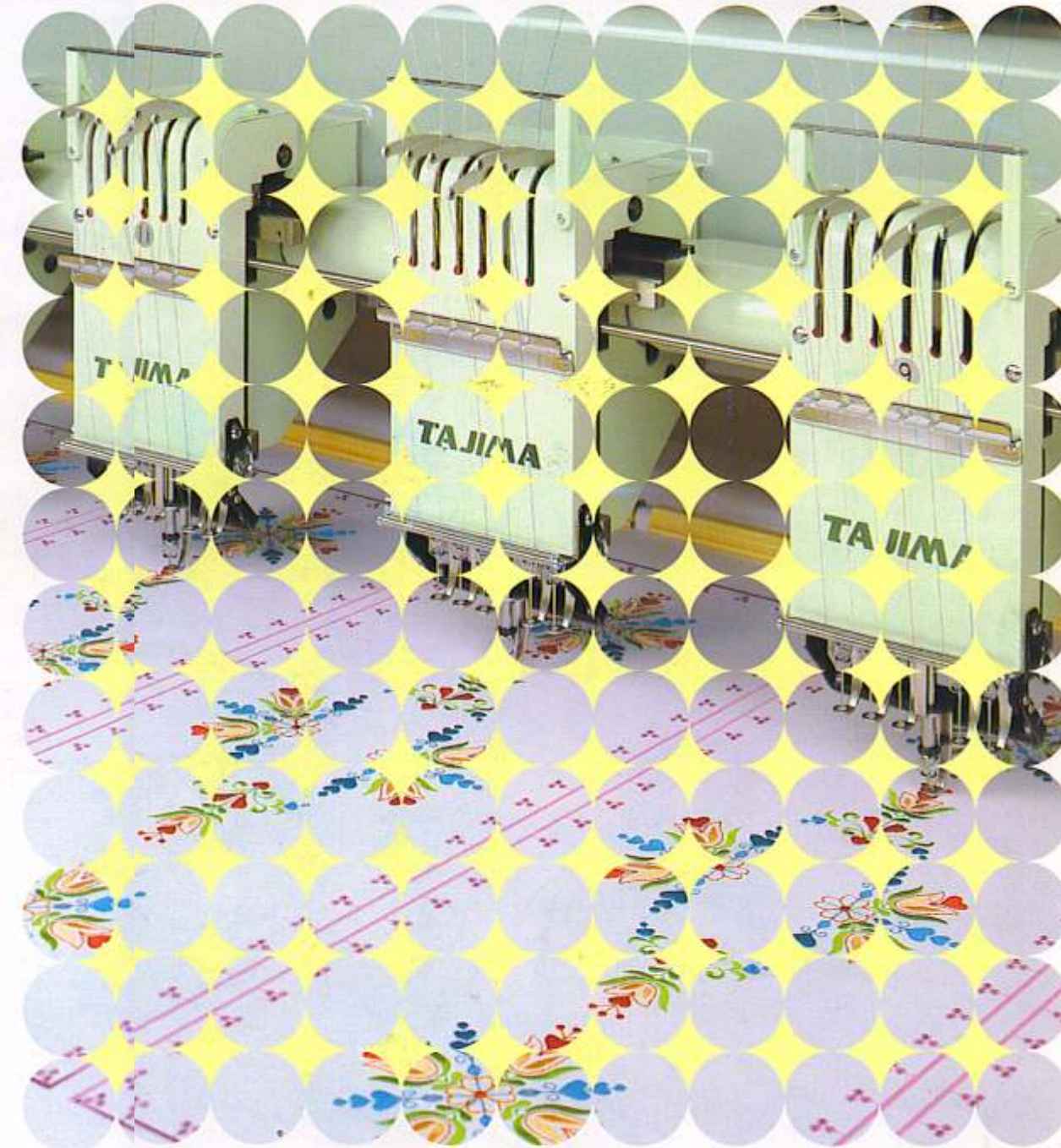
\*Consultation for orders of special embroidery dimensions available.

## SPECIFICATIONS

Options	Additional IC multiplex memory (up to about 500,000 stitches), Individual head control function (Option at manufacturing level), Under thread control, Boring device, Cording device, Paper tape punch, Stitch processor, Reader/Handler, Sequin device (Option at manufacturing level).		
Stitch length	Ternary scale: 0.1 - 12.1 mm, Binary scale: 0.1 - 12.7 mm	Power supply	3-phase 220V/380V, 50Hz/60Hz Single-phase 200V, 220V, 230V, 240V, 50Hz/60Hz
Speed	300 - 750 rpm	Power consumption	1.2 Kw (Type-G: 1.3 Kw)
Motor	Variable speed motor x 1, Stepping motor x 2		

Remarks: \*The above indicated speed may require to be changed according to a design.  
\*We reserve the right to change the specification without previous notice for improvement.

## TMEG-900·600·400·300 SERIES



1 Individual head control



2 Paper tape punch



3 TAJIMA floppy disk drive



4 TAJIMA stitch processor



5 Boring device



6 Reader/Handler

## MAJOR OPTIONS

- INDIVIDUAL HEAD CONTROL (Option at manufacturing level)**  
You can control when each head will sew. This allows you to combine different heads to create your designs, or create very large designs.
- TAPE OUT FUNCTION** It allows you to output an edited design to a paper tape punch.
- TAJIMA FLOPPY DISK DRIVE (TFD)** Powerful help for promoting efficient design data management.
- TAJIMA STITCH PROCESSOR (TSP)** Connect the TSP to your embroidery machine to enlarge or reduce your design with automatic stitch density compensation.
- BORING DEVICE & ACCOMPANIED FUNCTIONS** Scaling Up/Down, rotation and coordinate change functions are also available for boring designs.
- READER/HANDLER** Connect this handler to your embroidery machine to read and rewind paper tapes. Its wheels provide easy movement from machine to machine.
- UNDER THREAD CONTROL(UTC)** When under thread is broken or ends, the UTC detects it and stops the machine instantly. (PAT.)

Distributor **Tajima Industries Ltd.**

19-22, Shirakabe 3-chome, Higashi-ku Nagoya 461 JAPAN  
TELEPHONE (052) 932-3811  
TELEX 0444-3631 TAJIMA J  
CABLE TAJIMA MACHINERY NAGOYA  
FAX (052) 932-2457

Manufacturer **Tokai Industrial Sewing Machine Co., Ltd.**

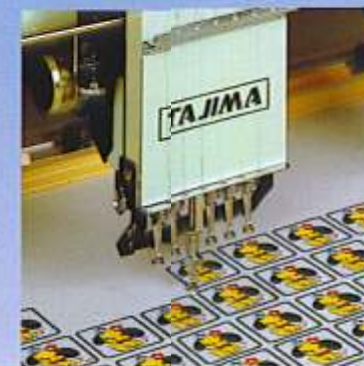
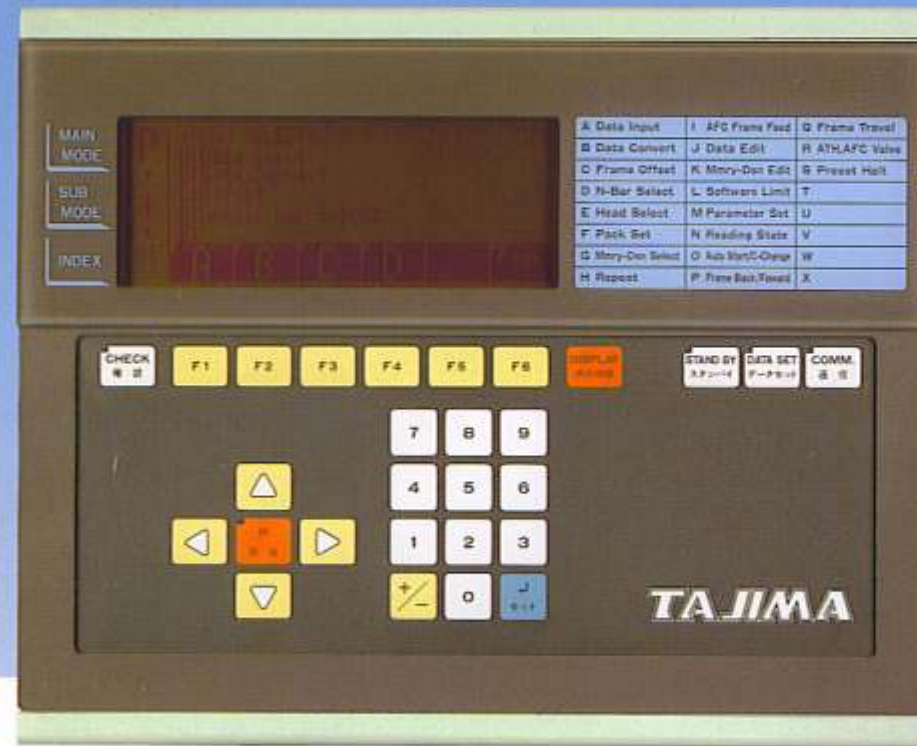
No. 1800 Ushiyama-cho, Kasugai Aichi-pre. 486 JAPAN  
TELEPHONE (0568) 33-1161  
FAX (0568) 33-1191



**AN AMAZING NEW SIMPLE YET SOPHISTICATED MODEL**



**THE NEW TMEG SERIES FACILITATES INTERACTIVE EMBROIDERY.**



▼Model TMEG-G620A

**With more useful features  
Improved mechanical systems  
combined with expanded  
SUPER INTELLIGENCE !!  
THE NEW EASY TO USE  
TMEG SERIES**

## FEATURES & FUNCTIONS

- **ACCURATE FRAME DRIVE & POWERFUL MAIN SHAFT DRIVE MOTOR**  
A special stepping motor featuring almost permanent life and extremely high accuracy is used for assuring stable frame driving.
- **PATENTED AUTOMATIC NEEDLE BAR SELECTOR**  
Needle bars can be selected for any color change sequence. Color change is possible up to 99 times.
- **PATENTED THREAD RELEASING DEVICE**  
Tension is released on all inactive threads to avoid pulling of the material being embroidered.
- **INDEPENDENT TAKE-UP LEVER DRIVING SYSTEM**  
Only the take-up lever in use is synchronized with the needle bar movement. It prevents other threads from entangling etc. to keep threads fed and trimmed smoothly.
- **BOTH BINARY AND TERNARY TAPE FORMATS ARE INCLUDED**  
The TMEG can automatically identify either format, and sew an accurate design.
- **SCALE UP/DOWN AND ROTATION FUNCTIONS**  
Enlarge or reduce your design, from 50 % to 200 % in 1 % increments either horizontally and/or vertically. Rotation of the design by 1° increments is also possible.
- **SATIN STITCH DATA EXPANSION**  
From 0.1 up to 1.0 mm stitch data can be added to the original Satin Stitch tape data.
- **AUTOMATIC DESIGN PROGRAMMING**  
Up to 30 different designs can be combined.
- **AUTOMATIC REPEAT**  
A design can be repeated up to 99 times both vertically and horizontally.
- **MEMORY CAPACITY**  
A maximum of 128 designs can be stored in the memory. There is a constant readout of the available memory. A 128,000 stitch memory is standard. You can store and view design names, maximum distances from start points, stitch counts, and number of color changes.
- **ONE STEP OPERATION**  
A series of design and operational requirements, such as combination of different designs, rotations, magnifications, color changes, etc., can be stored in the large memory.
- **DESIGN NUMBER DISPLAY**  
The number of times a design has been repeated can be viewed on the display.
- **LINKING AND COMBINING OF DESIGNS**  
Any design can be automatically combined or linked.

- **SPEED CHANGE**  
Speed changes are easily made by a simple key switch control or with an automatic two step speed control from tape data. (You can select the change point.)
- **SOFTWARE FOR FRAME LIMITS**  
On the display you can see how your design fits into the embroidery frame.
- **FRAME OFFSET**  
Resetting the offset point makes the frame return to the design's start point during the sewing of the design. This is very useful for operations such as applique placement, cutting and frame changing.
- **RETURN TO ANY POINT WHERE SEWING HAS STOPPED**  
The frame can be returned to the sewing data point (the point at which the sewing has stopped) by manual switch operation, even if the pantograph has been moved by the manual frame travel switch while sewing.
- **FRAME BACK**  
The frame can be moved backwards by 1 stitch units, 5 stitch units, and at color change points, allowing for independent repairs of unexpected damages caused by thread breaks or bobbin runouts.
- **FRAME FORWARD**  
The frame can be manually stepped forward without stitching motion.
- **AUTOMATIC THREAD TRIMMING & HOLDING DEVICE (ATH)**  
Tape data automatically operates the ATH to provide quality embroidery with improved productivity. The ATH can be activated at any point in the design by a switch.
- **SAFE STORAGE OF DATA**  
When the power supply is interrupted the machine repositions itself one stitch before the point of interruption without spoiling the embroidery.