



☆Reader/Handler (option)



☆JACQUARD Reader (option)

TSP TAJIMA STITCH PROCESSOR (Option)

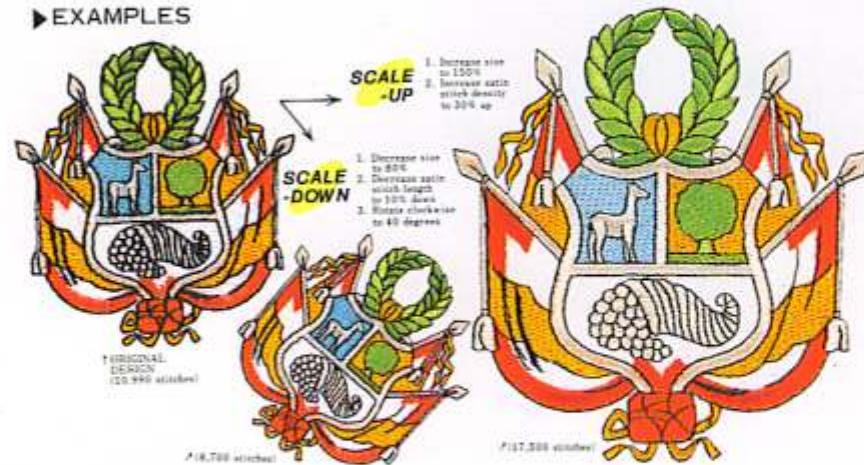
TRUE SCALING (UP AND DOWN) OF DESIGN TAPES WITH TAJIMA'S REVOLUTIONARY TSP WITH AUTOMATIC STITCH DENSITY COMPENSATION..... AND MORE!!



SETTING CAPACITY

- Scaling (up/down) 1% ~ 100% (original size) ~ 1000%
- Stitch density of the satin and/or the fill stitch (increase/decrease) -90% ~ 0% (original size) ~ 1000%
- Stitch length of the fill and/or the running stitch (increase/decrease) -90% ~ 0% (original size) ~ 1000%

EXAMPLES



- Enlarge or reduce your design and let TSP change the stitch density automatically.
- Rotate your design to any angle.
- A design can be mirrored by centering on Y-axis.
- Independently change stitch density of satin stitches and/or fill stitches (within the same design)
- Change the stitch length of the fill stitches and/or the running stitches.

TAJIMA TMEF

Electronic Embroidery Machine



MODEL TMEF-900

TMEF REGULAR TYPE

Models	Heads	Head interval	Embroidery space (D × W mm)		Table size (L × W mm)
			All-head(per head)/Alternate	Border/Continuous design	
TMEF-318	18	180	450 × 180/360	450 × 3,240	1,340 × 4,235
TMEF-320	20	162.5	450 × 162.5/325	450 × 3,250	1,340 × 4,195
TMEF-324	24	135.4	450 × 135.4/270.8	450 × 3,249.6	1,340 × 4,145
TMEF-418	18	180	450 × 180/360	450 × 3,240	1,340 × 4,235
TMEF-420	20	162.5	450 × 162.5/325	450 × 3,250	1,340 × 4,195
TMEF-424	24	150	450 × 150/300	450 × 3,600	1,340 × 4,520
TMEF-608-908	8	460	450 × 460	450 × 3,680	1,340 × 4,775
TMEF-610-910	10	345	450 × 345/690	450 × 3,450	1,340 × 4,770
TMEF-610-910	10	400	450 × 400	450 × 4,000	1,340 × 5,020
TMEF-612-912	12	275	450 × 275	450 × 3,300	1,340 × 4,470
TMEF-612-912	12	330	450 × 330	450 × 3,960	1,340 × 4,930
TMEF-615-915	15	275	450 × 275	450 × 4,125	1,340 × 5,020
TMEF-620	20	200	450 × 200/400	450 × 4,000	1,340 × 5,020

Standard equipment	Frame back/forward, Automatic needle bar selector, Thread releasing device, Coordinate change function, Jump stitch device, Edit-function, IC Multiplex Memory (64,000 stitches, up to 30 designs capable), Return function, Offset function, 8-channel reader, Design scale up/down function, Boring corresponding function.
Option	Additional IC Multiplex Memory (Memory capacity: Max. 256,000 stitches), Underthread breakage control, Reader/Handler, Jacquard reader, Automatic thread trimming & holding device, Boring device, Cording device.

Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm	Power supply	3-phase 220V/380V, 50Hz/60Hz
Speed	300 ~ 750 rpm		Single-phase 200V, 220V, 230V, 240V 50/60Hz
Motor	Speed variable motor × 1, Stepping motor × 2	Power consumption	1.2 kw

TMEF SUPER WIDE TYPE (EQUIPPED WITH LARGER STEPPING MOTOR)

Models	Heads	Head interval	Embroidery space (D × W mm)		Table size (L × W mm)
			All-head(per head)/Alternate	Border/Continuous design	
TMEF-620	20	240	550 × 240/480	550 × 4,800	1,540 × 6,160
TMEF-624	24	200	550 × 200/400	550 × 4,800	1,540 × 6,060

Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm	Power supply	3-phase 220V/380V, 50Hz/60Hz
Speed	300 ~ 650 rpm		Single-phase 200V, 220V, 230V, 240V 50/60Hz
Motor	Speed variable motor × 1, Stepping motor × 2	Power consumption	1.2 kw

TMEF-S ECONOMY TYPE

Models	Heads	Head interval	Embroidery space (D × W mm)		Table size (L × W mm)
			All-head(per head)	Border/Continuous design	
TMEF-S608	8	400	450 × 400	450 × 3,200	1,340 × 4,220
TMEF-S610	10	325	450 × 325	450 × 3,250	1,340 × 4,195
TMEF-S612	12	275	450 × 275	450 × 3,300	1,340 × 4,195

Standard equipment	Frame back/forward, Automatic needle bar selector, Thread releasing device, Coordinate change function, Jump stitch device, IC Multiplex Memory (64,000 stitches, up to 9 designs capable), Return function, 8-channel reader, Offset function, Design scale up/down function.
Option	Underthread breakage control, Reader/Handler, Jacquard reader, Automatic thread trimming & holding device, Boring device, Cording device.

Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm	Power supply	3-phase 220V/380V, 50Hz/60Hz
Speed	250 ~ 700 rpm		Single-phase 200V, 220V, 230V, 240V 50/60Hz
Motor	Speed variable motor × 1, Stepping motor × 2	Power consumption	1.0 kw

* The above indicated speed rpm may require to be changed according to a design.
* Consultation for orders of special embroidery dimensions available (except TMEF-S series).
* We reserve the right to change the specification without previous notice for improvement.

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TMEF

REGULAR TYPE

TMEF-S

ECONOMY TYPE

SERIES

TAJIMA is the technological leader in the embroidery industry. With the addition of the TMEF-S series (streamlined with useful functions for easier operation) the TMEF series is now complete. It is the top model series in the embroidery industry today.

The 900 series is the world's first and only 9 needle machine.

The 300 series (3-needle), 400 series (4-needle), and the 600 series (6-needle) are available in many configurations with 6 to 24 heads and from standard to large embroidery design fields.

THE TMEF SERIES IS THE INDUSTRY'S ANSWER TO THE EVER-CHANGING REQUIREMENTS IN THE WORLD OF FASHION.



☆Boring device (option)

The TMEF series responds to the various needs of embroidery with a wide range of models.



〈SUPER WIDE MODEL〉



☆8-Channel Reader

FEATURES & FUNCTIONS

TMEF-S type is equipped with functions indicated by ● and [].

- **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.
- **SPEED CHANGE**
Simple knob control or [push a numeral key] for infinitely variable speed (within range), and two speeds controlled by tape data (computer) to reduce thread breakage.
- **FRAME BACK**
If embroidery is damaged because of a thread break or bobbin runout, the frame can be moved backward to the starting point [500 stitches] if operating by memory, or as much as required up to 71 stitches [500 stitches] if operating from tape. Once restarted the machine sews independently on heads where damage occurred before automatically restarting all heads.
- **FRAME FORWARD**
Frame can be manually stepped forward without stitching motion.

- **LONG LASTING STORAGE OF TAPE DATA**
If the machine is stopped in the middle of a design and left idle for a long time, the tape data remains stored in memory or [buffer]. When restarted the machine will begin to sew at the exact spot where it was stopped.
- **DESIGN COORDINATE CHANGE SYSTEM**
16 [8] symmetrical design positions are possible in 45 degree [90 degree] increments at the push of a button.
- **PATENTED AUTOMATIC NEEDLE BAR SELECTOR (FOR EASY NEEDLE/COLOR SEQUENCING)**
Needle bars can be selected for any color change sequence. Color change is possible up to 99 times.
- **JUMP STITCH DEVICE**
- **AUTOMATIC REPEAT**
Embroidery of a design having the same color pattern can be automatically repeated up to 81 [9] times when operating from memory. [9 times when operating from tape.]