



Bridge Type

TMFD

1200·900·600·300·Series
Multi-Head Automatic
Embroidery Machine

TAJIMA
Multi-head Automatic Embroidery Machines

TAJIMA

Distributor
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TMFD Series

Models	Heads	Head interval	Embroidery space (D × W mm)		Table size (L × W mm)
			All-head (Alternate)	Border/Continuous design	
TMFD-1208 · 908 · 608	8	480	450 × 480	450 × 3,840	1,340 × 5,010
-1210 · 910 · 610	10	345 (W)	450 × 345 (690)	450 × 3,450	1,340 × 4,820
-1210 · 910 · 610	10	400	450 × 400	450 × 4,000	1,340 × 5,070
-G1210 · G910 · G610	10	480	450 × 480	450 × 4,800	1,340 × 6,160
-G1210 · G910 · G610	10	565	450 × 565	450 × 5,650	1,340 × 7,110
-912 · 612	12	275 (W)	450 × 275 (550)	450 × 3,300	1,340 × 4,520
-1212 · 912 · 612	12	345	450 × 345	450 × 4,140	1,340 × 5,160
-G1212 · G912 · G612	12	400	450 × 400	450 × 4,800	1,340 × 6,060
-G1212 · G912 · G612	12	480	450 × 480	450 × 5,760	1,340 × 7,120
-G1214 · G914 · G614	14	345	450 × 345	450 × 4,830	1,340 × 6,040
-915 · 615	15	275	450 × 275	450 × 4,125	1,340 × 5,070
-G1215 · G915 · G615	15	330	450 × 330	450 × 4,950	1,340 × 6,160
-G1215 · G915 · G615	15	400	450 × 400	450 × 6,000	1,340 × 7,260
-616	16	240 (W)	450 × 240 (480)	450 × 3,840	1,340 × 5,010
-G918 · G618	18	275	450 × 275	450 × 4,950	1,340 × 6,085
-G1218 · G918 · G618	18	330	450 × 330	450 × 5,940	1,340 × 7,150
-620	20	200 (W)	450 × 200 (400)	450 × 4,000	1,340 × 5,070
-G620	20	240 (W)	450 × 240 (480)	450 × 4,800	1,340 × 6,160
-G920 · G620	20	275 (W)	450 × 275 (550)	450 × 5,500	1,340 × 6,910
-G624	24	200 (W)	450 × 200 (400)	450 × 4,800	1,340 × 6,060
-G624	24	240 (W)	450 × 240 (480)	450 × 5,760	1,340 × 7,120
-324	24	135.4 (W)	450 × 135.4 (270.8)	450 × 3,249.6	1,340 × 4,195

※ Consultation for orders of special embroidery dimensions available.

Specifications

Options	Additional IC Multiplex Memory (128,000 stitches), Jumbo Size Rotary Hook (Factory option), Under Thread Controller, Boring Device, Cording Device, FM Note, NWII, Automatic Lubrication System (Factory option), etc.
Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm
Speed	250 ~ 800 rpm (varies with embroidery conditions)
Motor	AC Servo Motor × 1, Stepping Motor × 2
Electricity	3-phase 220V, 380V, 50Hz/60Hz, Single-phase 200V, 220V, 230V, 240V, 50Hz/60Hz
Power consumption	1.1 kw (Type-G: 1.2 kw)

Remarks: ※ We reserve the right to change the specification for improvement without previous notice.
※ No design or registered trademark of the products contained in this catalogue may be used without prior permission.

Agent



Bridge Type

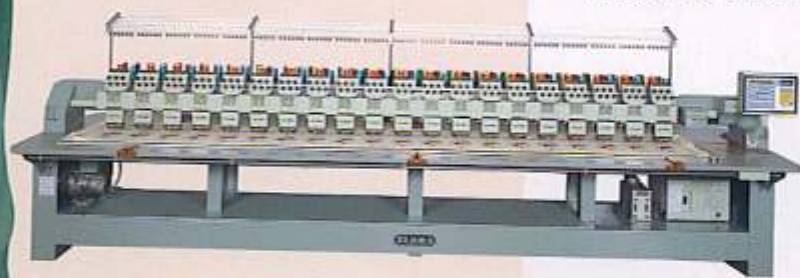
TMFD

1200•900•600•300•Series



Debut brand-new system full of advanced mechanisms!

Numerous functions realize high efficiency. Cost saving improvements, simplified operation, and expanded embroidery space have been accomplished through the use of new technology and the super wide type. Speedier operation and more delicate finishes will bring you high productivity.



Individual Tension Base

The new individual Tension Base moves simultaneously with the Needle Bar Case during Color Changes, ensuring optimum thread tension.



Main Features and Functions

- **Accurate Frame Drive**
The TMFD Series has special stepping (pulse) motors, featuring an almost permanent life and pinpoint accuracy. These motors will assure stable and quiet frame driving.
- **Powerful Main Shaft Motor**
Adoption of an AC servo motor realizes powerful and stable stitching.
- **Automatic Needle Bar Selector (Patented)**
Colors (needle bars) can be selected up to 99 times in any desired sequence.
- **Independent Take-up Lever Drive System**
The take-up lever only for the needle bar being used, operates while the other levers are at rest, this prevents the threads from being entangled. This system also allows the threads to run smoothly for constant ATH trimming.
- **Both Binary and Ternary tape formats can be used.**
- **Built-in Floppy Disk Drive (3.5-inch FDD)**
Reading from and writing to TAJIMA-formatted Floppy Disks is possible; furthermore, formats of other manufacturers can be used.
- **Speed Change**
Speeds can be automatically changed between High and Low ranges by design data; key operations also allow you to adjust the speeds as required.
- **Scale up/down, Rotate**
You can scale your embroidery designs down to 50% or up to 200% in increments of 1%, and rotate in 1-degree increments.
- **Memory System (Max. 304,000 stitches)**
Up to 99 designs can be memorized in this system, with the remaining capacity displayed in stitches. (176,000 stitches standard)
- **Operation Panel**
A Built-in FDD operation panel realizes easy operation using both LED and LCD displays.
- **Automatic Repeat**
A design can be repeatedly stitched up to 99 times in the X-direction and/or the Y-direction.
- **Frame Back**
This function is useful after a thread breaks or a bobbin runs out, etc. The Frame can be backed up in 1-stitch, 5-stitch units, and by Color Change units. Single-head operation to restitch the damaged part can be performed.
- **Frame Forward**
The frame can be stepped forward without stitching.
- **Origin Return**
The Frame can be either manually or automatically returned to the Design Starting Point (while the machine is stopped), even if the End Point is different from the Starting Point.
- **Automatic Offset/Manual Offset**
To facilitate applique works and frame changing, the frame can be automatically moved to the preset Offset Point. After the tasks are completed, the frame can be returned to the point where the Offset movement began. Also, even if the frame has been moved using the Manual Frame Travel Keys while the Machine is stopped, simple key operations enable the frame to return to the previous stitch point.
- **Automatic Thread Trimming & Holding Device (ATH)**
The ATH device can be automatically operated by the design data, improving the quality of finished products as well as productivity. (Other than a design data, manual ATH operations are also possible at any desired point of the design.)
- **Power Failure Control Measures**
You can continue to operate the machine after power failure without being annoyed by misproduction due to design displacement.
- **FM and DG Connections**
The Machine can be connected to the FM/DG system to make embroidery directly and speed up sample production.
- **Network System (NW-II) and Monogramming**
The TMFD Series can also be used as an instant Monogram Maker, data and operations of other Machines can be controlled through a communications Network.
- **Automatic Lubrication System (Option)**
Proper lubrication is automatically provided to the necessary points in the head.