

TAJIMA
Multi-head Automatic Embroidery Machines

X^{III}
Series
TMFX^{III}
TMFX^{III}-C
Multi-Head
Electronic Embroidery Machines

■ Options



▲ High-speed Cording Device (KB-2M)



▲ Wide Cap Frame (TCW-360), Semi-wide Cap Frame (TCW-180)
(Note) Applicable to TMFX III-C only



▲ Monogramming & Lettering System (ML-50)

TMFX III-C Series

Model	Heads	Head interval	Emb. space per head (D x W mm)	Inner space			Table size (D x W mm)
				NORMAL	WIDE CAP FRAME	SEMI-WIDE CAP FRAME	
TMFX III-C1206-906	6	500	450 x 500	75 x 360	83 x 180	439 x 419	1,657 x 4,555

Specifications

Options	Jumbo Rotary Hook (Factory option), Sequin Device (Factory option), Automatic Lubrication System (Factory option), High-speed Cording Device, Boring Device (without applications with cap frames), Under Thread Controller, FM Note, ML-50, Frames (similar to TMFD-C)
Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm
Speed	Max. 1,000 rpm
Motor	Main shaft motor x 1, Frame driving motor x 2
Electricity	Single-phase 100V 50Hz/60Hz, 3-phase 200V 50Hz/60Hz
Power consumption	540 W

TMFX III Series

Model	Heads	Head interval	Emb. space per head (D x W mm)	Border/Continuous design (D x W mm)	Table size (D x W mm)
TMFX III-1206-906	6	500	450 x 500	450 x 3,000	1,340 x 4,070
TMFX III-1206-906	6	500	680 x 500	680 x 3,000	1,800 x 4,070

※ Order for head interval 400 mm type machines is available.

Specifications

Options	Jumbo Rotary Hook (Factory option), Sequin Device (Factory option), Automatic Lubrication System (Factory option), High-speed Cording Device, Boring Device (without applications with cap frames), Under Thread Controller, FM Note, ML-50
Stitch length	Ternary scale: 0.1 ~ 12.1 mm, Binary scale: 0.1 ~ 12.7 mm
Speed	Max. 1,000 rpm
Motor	Main shaft motor x 1, Frame driving motor x 2
Electricity	Single-phase 100V 50Hz/60Hz, 3-phase 200V 50Hz/60Hz
Power consumption	540 W

Remarks: ※ Embroidery space of the wide cap frame varies depending on a model and/or caps to be used.
 ※ We reserve the right to change the specification for improvement without previous notice.
 ※ Speeds vary with embroidery conditions.

Agent

Distributor **Tajima Industries Ltd.**
 19-22, Shirakabe 3-chome, Higashi-ku Nagoya 461-0011 JAPAN
 TELEPHONE (052) 932-3444, 3811 FAX (052) 932-2457

Manufacturer **Tokai Industrial Sewing Machine Co., Ltd.**
 No. 1800 Ushiyama-cho, Kasugai Aichi-pre. 486-0901 JAPAN
 TELEPHONE (0568) 33-1161 FAX (0568) 33-1191

X^{III}

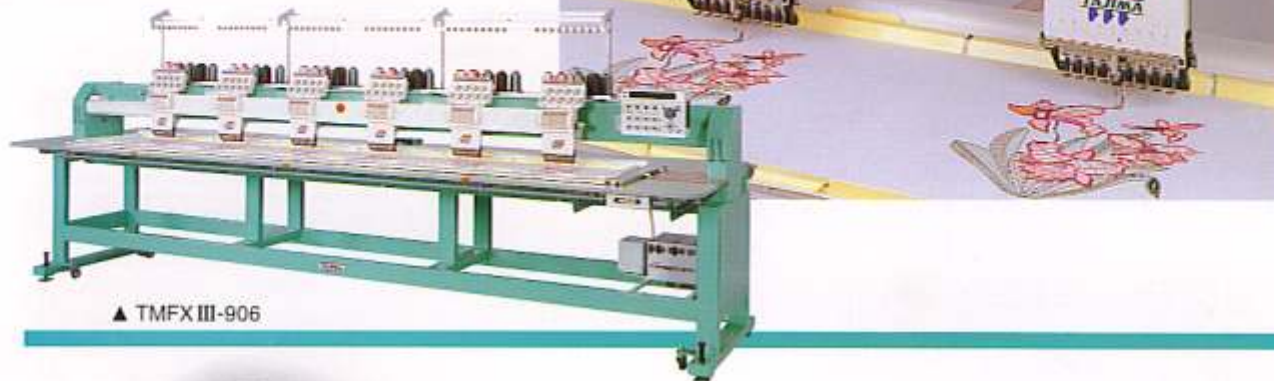
TMFX^{III}
TMFX^{III}-C

**A new lineup to the well-reputed TMFX Series.
The adoption of new frame drive system
realizes wider embroidery space and
higher speeds.**

TMFX^{III}

Flat Type

1200 • 900



▲ TMFX III-906

TMFX^{III}-C

Cylinder Type

1200 • 900



▲ TMFX III-C1206
(Application with cap frames)

▶ TMFX III-C1206
(Application for normal embroidery)

Main Features and Functions

- **Accurate Frame Driving & High Speed:**
Using high-precision special stepping (pulse) motors and new frame driving system, Tajima realizes stabler frame driving that applies to wide space embroidery, and high speed - 1,000 rpm.
- **Quieter:**
Machine noise is substantially reduced by stepping (pulse) motors mounted in several different places and a variety of other noise-reduction features.
- **Simple Operation:**
Frequently used functions are assigned to exclusively used keys to make operation easier.
- **Table Lifter (TMFX III-C):**
It is easy to adjust the table height, and changing from normal embroidery to embroidery on finished goods can be done as you like.

A wealth of advanced mechanisms and functions

- **Take-up Lever Guard:**
More stabilized thread motion can be obtained and it prevents thread entangling and thread cast off.
- **Individual Tension Base (Patented):**
Since the thread tension bases move together with the needle bar case at color changes, stable thread tension can be maintained during embroidery.
- **Built-in Floppy Disk Drive (Both 2DD and 2HD types of 3.5-inch floppy disks are available.):**
One floppy disk can contain up to 111 designs/240,000 stitches (2DD type) or 223 designs/480,000 stitches (2HD type).
- **Scale up/down, Rotate:**
You can scale your designs down to 50% or up to 200% in increments of 1%, and rotate in 1-degree increments.
- **Satin Stitch Expansion:**
The width of satin stitches can be expanded from 0.1 mm to 1.0 mm (provided stitch density does not exceed 1.0 mm).
- **Design editing:**
Delete, expand or modify your embroidery design with help from the "function search" mechanism.
- **Automatic Repeat:**
A design can be automatically repeated up to 99 times both vertically and horizontally.
- **Memory Capacity:**
Standard - 640,000 stitches
- **Main Shaft Driving:**
Adoption of inverter controller realizes stabler main shaft driving.
- **Automatic Offset/Manual Offset:**
To facilitate applique fabric placement and frame changing, the frame can be automatically moved to a 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 operation enables the frame to return to the previous stitch point.
- **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.
- **Frame Back/Forward:**
You can feed the frame backward or forward by designating the stitch count.
- **Automatic Thread Trimming & Holding Device (ATH):**
The ATH device can be automatically operated for trimming both the upper and under the threads by a command in the design data, improving the finishing and productivity. (Other than design data, key operations can operate the ATH at any desired point.)



▲ TMFX III-C1206
(Application with tubular goods frames)

