### TLMX Series

**Lock-stitch chenille Taping & Coiling embroidery machines**

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Revolution</th>
<th>Factory Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLMX-112</td>
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<tr>
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</tbody>
</table>

| Effective embroidery space | 680, 1,000, 1,200, 1,500mm |

Consultation for orders of special embroidery with embroidery space, number of heads, number of needles etc. is also available.

We reserve the right to change the specification for improvements without previous notice.

Running speed may vary, depending on machine models, frame types and/or applicable conditions.

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Innovative combination embroidery machines to create a greater diversity of variations

TLMX SERIES

The mixed type series, integrating lock-stitch chenille embroidery heads and standard embroidery heads in pairs! High-performance models in drastic pursuit of functionality and operability.

TLMX 100/T00 Series
100 Series is specialized for embroidery with lock stitch chenille embroidery heads. T00 series is also available with 2 lock stitch chenille heads positioned in pairs.

TLMX Triple Mixed Type
The triple mixed type joins two lock-stitch chenille embroidery heads and a standard embroidery head! Your embroidery variations will be expanded, using a maximum of 4 kinds of materials.

Features
- Brilliant embroidery arrangements are available, using cord or tape materials!
- Wide variations of stitch types are easily selectable through the operation panel.
- High quality lock-stitch chenille embroidery, stitched at a max. of 1,000 rpm
Numerous state of the art technologies are built-in to stitch a wealth of materials securely. Stable stitching has been brought to reality at high speeds.

Lock-stitch chenille head

Lock-stitch chenille heads with a precision M-axis drive for Bobbins and highly sophisticated Nipple operation to stitch materials securely have integrated the most advanced technologies to create higher value added products.

Attachment in compact units

Attachments for Taping, Coiling, Zigzag swing stitch embroidery are supplied in units. It is easy to replace the units with a screw. Once adjustment is done, readjustment is not necessary. Working efficiency has been drastically increased.

High-speed operation at a Max. of 1,000 rpm

Max. 1,000 rpm is available for taping or zigzag swing stitch embroidery, max. 500 rpm for coiling embroidery. High speed operation contributes to improvement of productivity.

M-axis free control system to allow adjustment head by head

Bobbins can be moved as necessary by using the Tension base switch. This facilitates embroidery operations like bobbin exchange or machine adjustment in units of heads.

M-axis start direction control to secure stitching

To prevent stitch start errors, this function stops the bobbin and guide temporarily in the stitching direction after stitching the materials.

Zigzag swing assist (PAT.P)

Zigzag swing interval is adjustable in the range of 6-16mm on the operation panel for zigzag swing stitches. This function also gives swing interval to the bobbins to stitch even thick materials securely, avoiding contact with the needle.

Zigzag swing stitch data automatic generator (PAT.P) to generate frame movement

This function automatically generates 6 kinds of zigzag swing stitch patterns based on the running stitch data. They can be selected according to the type of material or embroidery design. (See “Stitch Variations“.)

Thread breakage detector and Middle thread guide with thread take-up spring in the pursuit of stable stitching

Thread breakage detector and Middle thread guide with take-up spring have been introduced, both of which are well reputed with multicolor heads.

W-Bobbin attachment to develop your design arrangements

2 bobbins are mountable to a lock-stitch chenille head. This enables 2 kinds of embroidery stitches of taping and zigzag swing stitch embroidery without replacing bobbins, reducing the time for replacement of materials and developing the potentials of your designs.

Automatic Nipple lifting function to improve working efficiency

Both the Needles and Nipples are lifted up to their retracting positions and bobbins return to the fixed position right after completion of embroidery. This facilitates embroidery works like frame exchange.

Nipple stroke adjustment in response to materials (PAT)

Nipple stroke can be adjusted on the operational panel according to the material being used. Adjustment range is a max. of 8mm from the lower dead point. The height of the lower dead point is also adjustable up to 3mm. Nipple stroke adjustment adds variations to the stitch finishing conditions on the materials.

A user-friendly color LCD operation panel

An easy-to-view color LCD operation panel and special use keys are designed in a compact interface to enable operation by instinct. The job currently being embroidered on the machine is displayed on the screen in real time (PAT). If 6.5 inch color LCD operation panel is mounted to the models with total machine length 4,330mm or less.

Table offset switch (PAT.P)

This special switch is mounted under the table of a jumbo embroidery machine to retract the frame temporarily to any position out of the way for jobs such as threading.
Option

- **Automatic frame changer (AFC)**
  An automatic frame changer for continuous embroidery of fabric in roll. Powerful and high performance AFC system has incorporated a fabric clamping device (PAT.P) to hold the fabric, a fabric feeding feed prevention mechanism and a fabric stretching mechanism, allows you to create delicate and sophisticated continuous embroidery.

- **Sequin device III twin type (PAT)**
  It is now possible to embroider a max. of 4 different sizes, shapes and colors on each head! Two kinds of sequins on one side can be interchanged and embroidered at high speed as desired. The next-generation Sequin device permits more design options and improves production efficiency.

- **Sequin device IV**
  Sequins in diameter of 2 - 22mm are applicable. A wide range of sequins from small to large sizes or in various shapes like noncircular or eccentric type are applicable for creation of designs as needed, depending on your applications.

- **High-speed cording device (KB-2M)**
  Various kinds of cording materials can be stitched at high speeds. Exchange of the attachment enables looping embroidery. Simple adjustment of the height varies stitch volume and expands the range of embroidery expressions.

- **Jog remote-controller (PAT)**
  The jog remote-controller has consolidated the functions of frame travel operations. It is independent of the operation panel and allows to move the frame while the operator is close to the needles.

- **Automatic lubrication system**
  Automatic lubrication is performed for improved production efficiency and maintenance free operation.

Stitch variations

- **Taping embroidery**
  Taping embroidery stitches the center of tape or cord materials. The standard type Guide allows basic taping embroidery. Application of optional Guides expands the range of embroidery variations.

- **Zigzag swing stitch embroidery**
  Zigzag swing stitches fabric by swinging the zigzag swing lever to right or left, using Zigzag swing attachment. 6 swing stitch patterns are selectable. Thin materials, ultra thick materials, sequin spangle cords, which have decorative parts and cannot be stitched by cording embroidery, can be embroidered in zigzag swing stitches.

- **Coiling embroidery**
  3 kinds of materials—embroidery thread, core thread and coiling thread are used. Core thread is stitched while it is wound by coiling thread. The winding times of material can be set from 4 steps (1/1, 1/2, 1/3, 1/4).

Original stitches

Automatically generated stitches
# TLMX Mixed Type/Triple Mixed Type

**Model**

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(*Example of a model code*)

- a = model name, b = number of needles, c = number of pairs

Consultation for orders of special embroidery with embroidery space, number of heads, number of needles etc is also available.

- **Factory options**
  - **Automatic lubrication system**, **Jumbo rotary hook**, **Automatic frame changer**, **Bobbin Changer**, **Sequin Device**, **Lock-stitch Embroidery Device**, **Position Marker**

- **Options**
  - Jog remote-controller
  - High-speed cording device,
  - Boring device
  - Emb. lame attachment

- **Revolution**
  - Standard embroidery heads
  - Lock-stitch embroidery heads

- **Stitch length**
  - 0.1mm→12.7mm

- **Power consumption**
  - 2.1kw

- **Power supply**
  - 3-phase : 200-240V, 350/380/400/415/440V 50Hz/60Hz
  - 1.9kw

- **Motors**
  - AC Servo motor ×1, Pulse motor ×2

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

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