

TA SERIES

Lock-stitch taping & coiling
automatic embroidery machines

SWF / TA - W N 9 04 - 100

| | |
|---------------|---------------|
| Series | Y-Stroke |
| M/C Type | No. of Heads |
| Head Interval | No. of Colors |

| Specifications | | |
|---------------------------|----------|--|
| Speed | Standard | 1,200 rpm(8,400 mm(Length) or less and 12 Heads or less) |
| | | 1,000 rpm(more than 8,400 mm(Length) and 10 Heads or more) |
| | TA Head | 900 rpm(10,000 mm(Length) or more) |
| Stitching Length | | 850 rpm[Taping & Zigzag] |
| | | 450 rpm[Coiling] |
| Motor | Main | 0.1 ~ 12.7 mm |
| | | Servo Motor x 1 |
| Electricity | X-Y | Servo Motor x 2 |
| | | 1-Phase 200V, 220V, 240V [50/60Hz] |
| Power Consumption | | 3-Phase 200V, 220V, 240V, 350V, 380V, 415V [50/60Hz] |
| Bobbin Winder | | 1.5 kW |
| Upper Thread Holding Unit | | Standard |
| Lubrication System | | Standard |
| Operation Box | | Auto Lubrication System |
| Hook | | Standard : Color LCD Touch Screen |
| Memory Capacity | | Standard Hook |
| Memory Media | | Standard : 4,000,000 stitches |
| Safety Device | | USB Memory Stick |
| Optional Device | | Standard : Emergency Stop, Error Code Message |
| | | SQ30/SQ31D, SQ41i, ZD20, Cording, Boring |

| Division of Model | | | | | | | | | |
|-------------------|--------------------|-------|---------|---------------|-----------------|---------------|-------------------|---------|--------|
| Model | Head Interval [mm] | Color | Head | Y-Stroke [mm] | Emb. Space [mm] | | Machine Size [mm] | | |
| | | | | | Each Head | All Head | Length | Width | Height |
| TA-WJ614-75 | 450 | 6 + 1 | 14 + 14 | 750 | 450 x 750 | 6,750 x 750 | 8,468.5 | 1,958.5 | 1,827 |
| TA-WJ614-100 | 450 | 6 + 1 | 14 + 14 | 1,000 | 450 x 1,000 | 6,750 x 1,000 | 8,468.5 | 2,498.5 | 1,827 |
| TA-WJ614-120 | 450 | 6 + 1 | 14 + 14 | 1,200 | 450 x 1,200 | 6,750 x 1,200 | 8,468.5 | 2,848.5 | 1,827 |
| TA-WL906-120 | 550 | 9 + 1 | 6 + 6 | 1,200 | 550 x 1,200 | 3,300 x 1,200 | 5,650 | 2,848.5 | 1,827 |
| TA-WL908-75 | 550 | 9 + 1 | 8 + 8 | 750 | 550 x 750 | 4,400 x 750 | 6,750 | 1,950 | 1,727 |
| TA-WL910-120 | 550 | 9 + 1 | 10 + 10 | 1,200 | 550 x 1,200 | 5,500 x 1,200 | 7,850 | 2,848.5 | 1,727 |
| TA-WL912-75 | 550 | 9 + 1 | 12 + 12 | 750 | 550 x 750 | 6,600 x 750 | 8,950 | 1,958.5 | 1,827 |
| TA-WL912-100 | 550 | 9 + 1 | 12 + 12 | 1,000 | 550 x 1,000 | 6,600 x 1,000 | 8,950 | 2,498.5 | 1,827 |
| TA-WL912-120 | 550 | 9 + 1 | 12 + 12 | 1,200 | 550 x 1,200 | 6,600 x 1,200 | 8,950 | 2,848.5 | 1,827 |
| TA-WL915-100 | 550 | 9 + 1 | 15 + 15 | 1,000 | 550 x 1,000 | 8,250 x 1,000 | 10,650 | 2,509 | 1,827 |
| TA-WL915-120 | 550 | 9 + 1 | 15 + 15 | 1,200 | 550 x 1,200 | 8,250 x 1,200 | 10,650 | 2,848.5 | 1,827 |
| TA-WN902-100 | 660 | 9 + 1 | 2 + 2 | 1,000 | 660 x 1,000 | 1,320 x 1,000 | 4,105 | 1,175 | 1,727 |
| TA-WN904-75 | 660 | 9 + 1 | 4 + 4 | 750 | 660 x 750 | 2,640 x 750 | 5,100 | 1,950 | 1,727 |
| TA-WN904-100 | 660 | 9 + 1 | 4 + 4 | 1,000 | 660 x 1,000 | 2,640 x 1,000 | 5,100 | 1,175 | 1,727 |
| TA-WN906-120 | 660 | 9 + 1 | 6 + 6 | 1,200 | 660 x 1,200 | 3,960 x 1,200 | 6,510 | 1,935 | 1,727 |

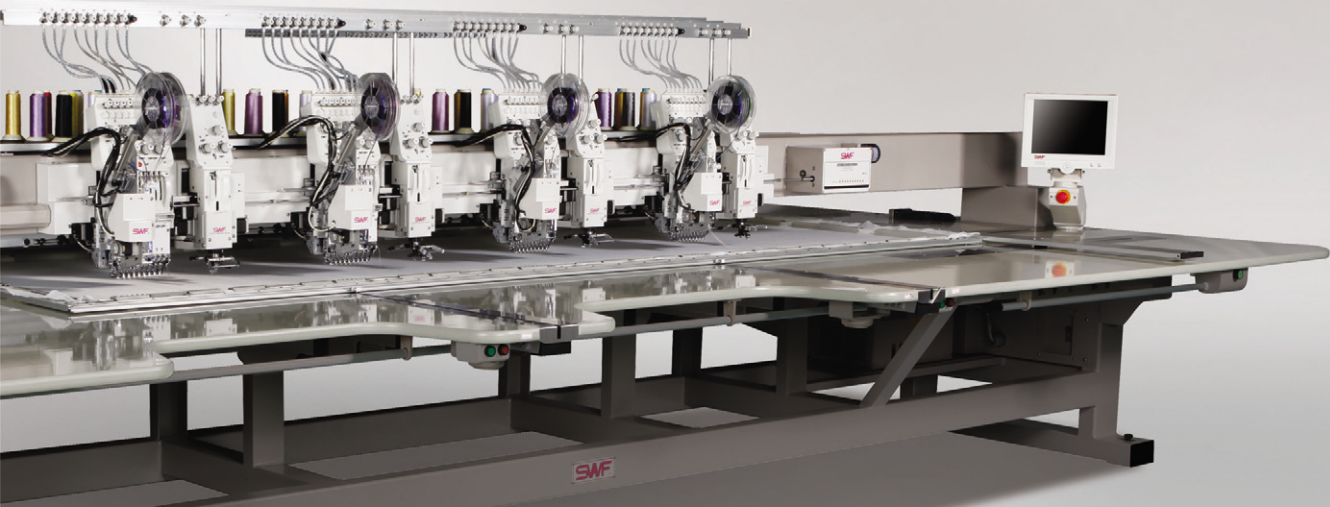
We can make some modification for improvements without previous notice.



TA SERIES

Lock-stitch taping & coiling automatic embroidery machines

Creation of
Highly value-added
embroidery work



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For W24H service
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Main Features

Creation of Highly value-added embroidery work by various attachments

01 Automatic Selection of Embroidery Mode

This function enables taping (cording), coiling, zigzag swing embroidery and general embroidery to be easily selected in Operation Box. Also, automatic conversion into the coiling (taping) head or the general head is possible according to operation of embroidery mode in the coiling (taping) head mix type embroidery machine.

02 Combination of Peripheral Units

The peripheral units for taping (cording), coiling and zigzag swing embroidery can be easily replaced and mounted.

03 Automatic Generation of Zigzag Swing Data

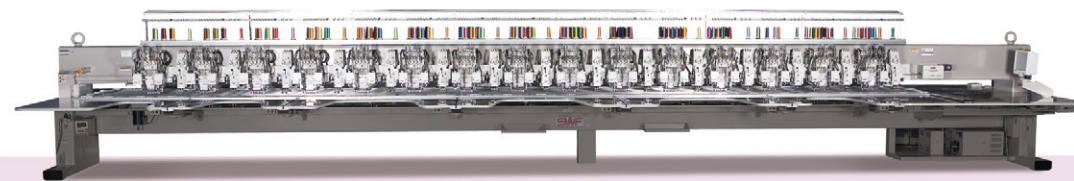
As all zigzag swing patterns are automatically generated on the basis of running stitch data, data can be easily generated.

04 Correction Attachment Rotation

As attachment rotation is always corrected and calibrated, correct control is possible.

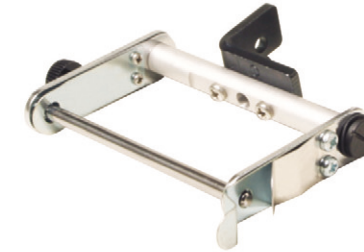
05 Automatic Nipple Return

You can conveniently exchange the frame or the material as the nipple lifts up to the standby position at the end of embroidery.



▲ model: TA-WL915-100

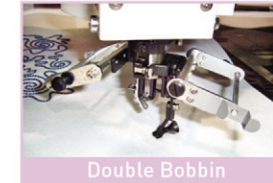
TA Attachments



Big Size Bobbin



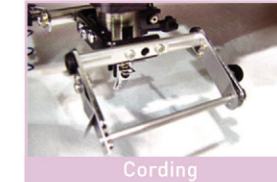
Standing



Double Bobbin



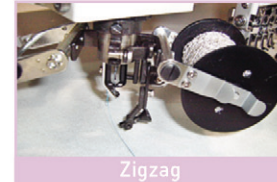
Coiling



Cording

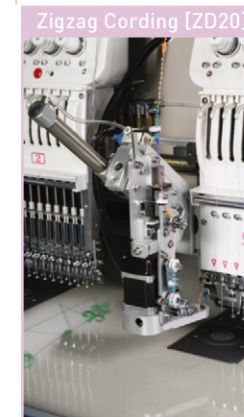


Frill

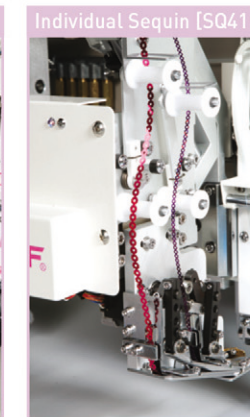


Zigzag

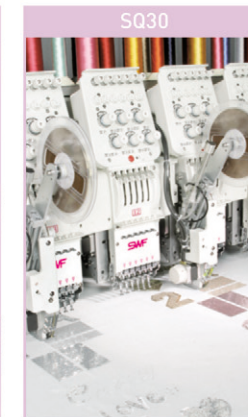
Optional Device



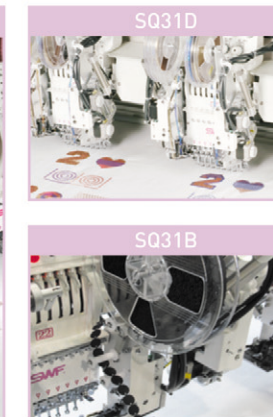
Zigzag Cording [ZD20]



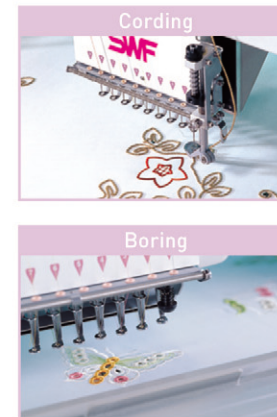
Individual Sequin [SQ41i]



SQ30



SQ31D



Cording

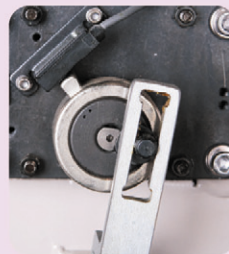


SQ31B



Boring

Technology



UPPER THREAD CATCHER

- 1) Geared motor enables simultaneous operation of all heads, ensuring accurate timing.
- 2) Minimized motor noise for smooth & stable operation
- 3) Upper thread holder on each head can be individually turned on.



LUBRICATION SYSTEM

- 1) Manual lubrication allowing users to lubricate the Arm and Bed whenever required.
- 2) Junction Valve allowing lubrication of just a certain amount in the fixed number of places
- 3) Individual lubrication is allowed for the general head needle bar and the coiling needle bar.



NOISE FILTER

- 1) Supply of stable input voltage by the high quality of noise filter



X-Y DRIVE

- 1) Ac servo motor for X-Y driving



THREAD TENSION UNIT

- 1) New structure of tension plate and adoption of thread way
- 2) Reduction of load given to the thread compared with existing tension plates
- 3) Stable thread flow and smooth thread way



OPERATION BOX

- 1) Touch screen
- 2) New design
- 3) USB memory
- 4) Sound function added, file name supported



JUMP

- 1) Productivity is improved by less decrease of speed even at high-speed jump embroidery.



UPPER THREAD HOLDING SYSTEM

- 1) When a certain head is stopped, this device prevents the thread of the stopped head from removal from the needle.



FRAME

- 1) The light but strong frame secures the high quality of embroidery.