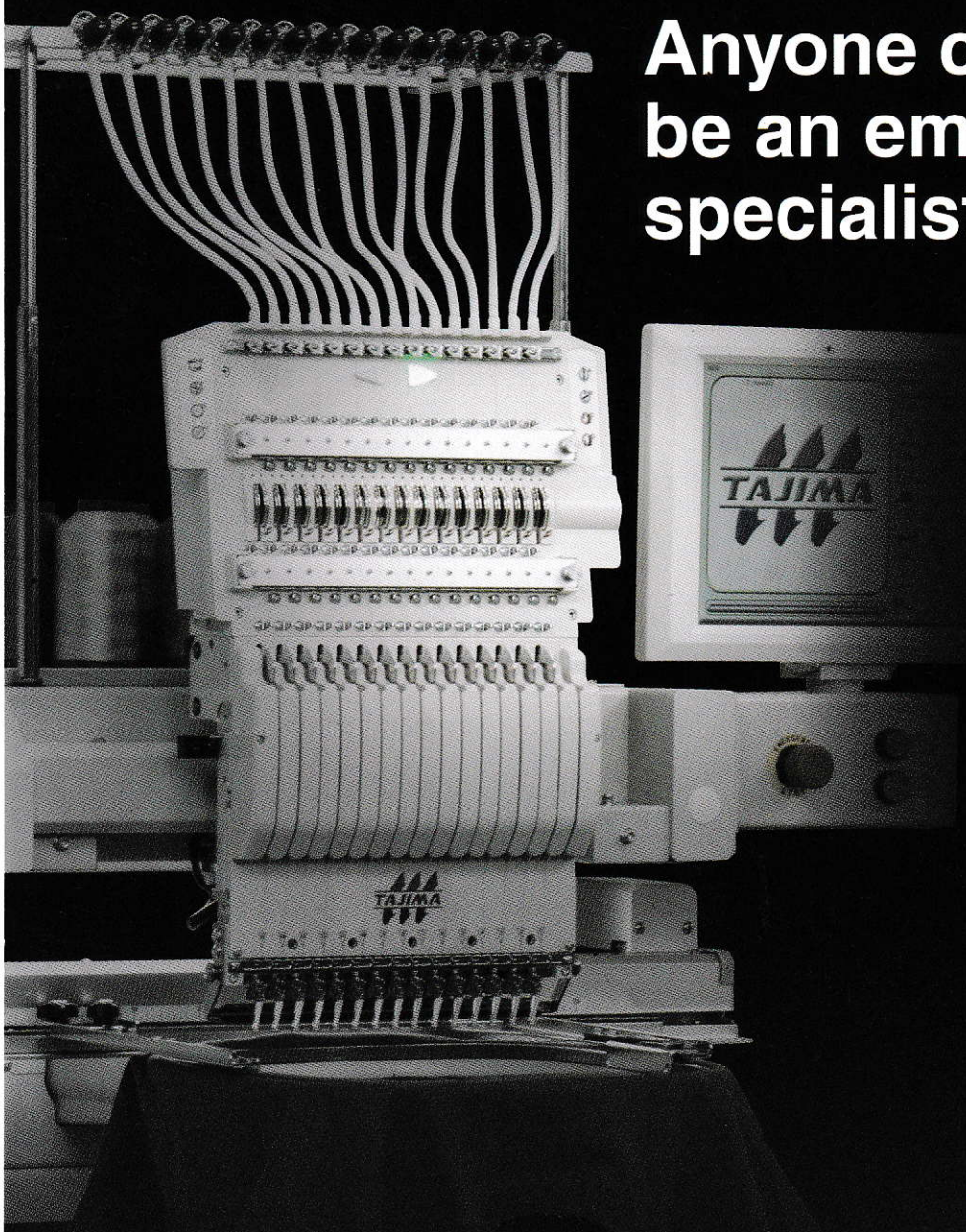
i-TM
intelligent Thread Management

NEW

TMEZ-SC



Anyone can be an embroidery specialist.

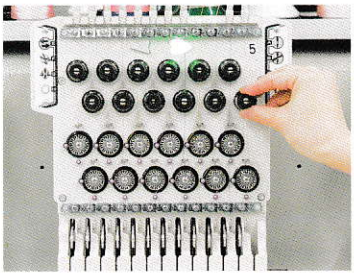
THE WORLD'S FIRST
An innovative embroidery machine without manual thread tension adjustment.

TAJIMA

Fashioning your Future Tajima always leads, never follows

What is it about i-TM that provides optimal tension adjustment.

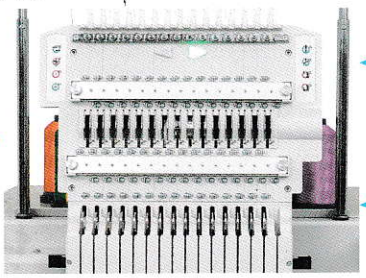
Without i-TM



i-TM solves these issues

- ▼ Poor embroidery finish caused by the return twist of the thread.
- ▼ Requires operator skill and experience.
- ▼ The quality of the embroidery finish is inconsistent.
- ▼ The fabric is easily shrunken by embroidery stitch pulling.
- ▼ Requires thread tension adjustment after thread replacement.

i-TM

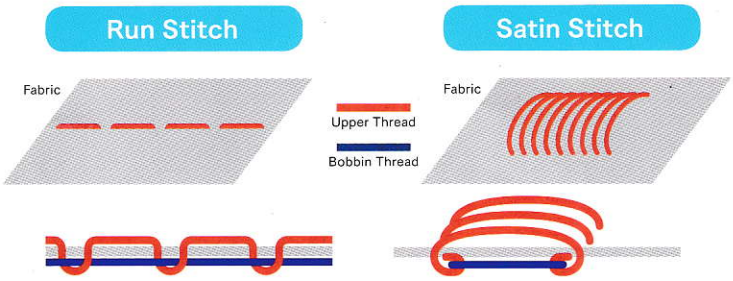


No need for fine adjustment!

Consistent production!

i-TM is mounted on the tension base in place of the previous tension knobs.

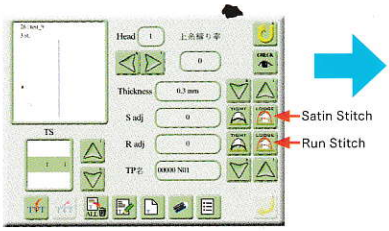
The amount of upper thread supply is automatically calculated according to the stitch type.



Tight for running stitch.

Looser for Satin stitch.

Further adjustment of the tension setting is possible on the operation panel.

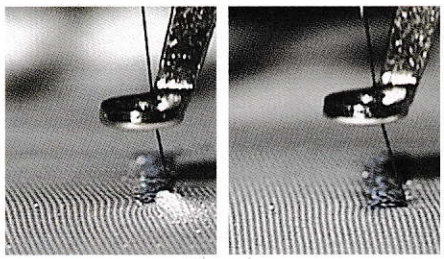


The adjusted tension settings can be saved with design data

The "Default" setting value is already calculated properly.
It is also possible to adjust the thread tension to change the embroidery finish.

Reduces fabric creases

Standard i-TM



Creases can sometimes occur, depending on the fabric and sewing conditions.

Improved production efficiency

i-TM

Material setting → Test sewing → Mass production

Standard

Material setting → Thread tension adjustment → Test sewing → Mass production

As the appropriate thread tension adjustment is applied regardless of the thread type, mass production can be started quickly.

DCP -Digitally Controlled Presser Foot-

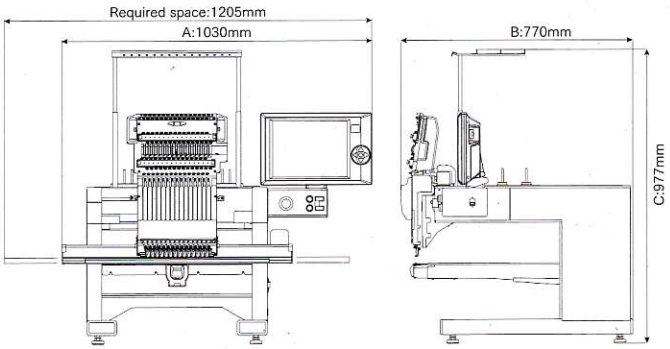
DCP digitally controlled presserfoot

The height of the presser foot can be randomly set according to the material thickness on the operation panel.The fabric does not flutter even when using hard-to-embroider materials like leather, thick fabric, stretchy fabric and quilting.

View by video clip.

Specifications

Needles	15
Factory options	Position Marker, LED Lamp
Dealer options	Stand, Stand Tray, Border Frame, Cap Frame 2
Revolution	Max. 1,200 rpm
Electricity	Single-phase 100-120V, 200-240V, 50Hz/60Hz
Power consumption	160W
Weight	95kg



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TEL. +81-52-932-3444, 3445 FAX. +81-52-932-2457, 3449

http://www.tajima.com

https://www.facebook.com/TajimaGroup

Manufacturer

TISM Co.,Ltd.

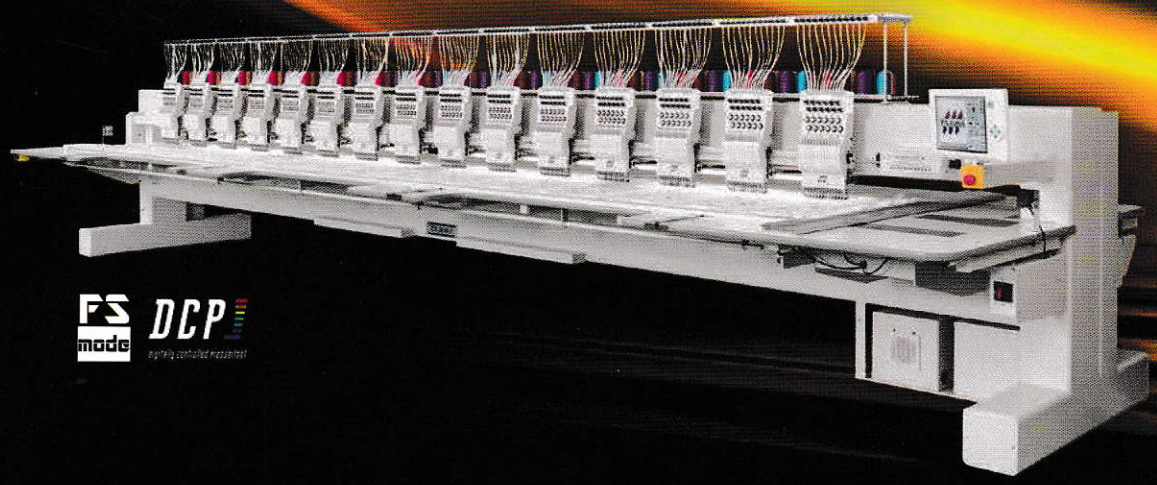
1907A_01

TMCR-VF

SERIES

ELECTRONIC MULTI-HEAD AUTOMATIC EMBROIDERY MACHINE

The ultimate flagship model with unsurpassed flexibility powered by sophisticated features.



FS mode DCP digitally controlled precision

TAJIMA

Fashioning your Future Tajima always leads, never follows

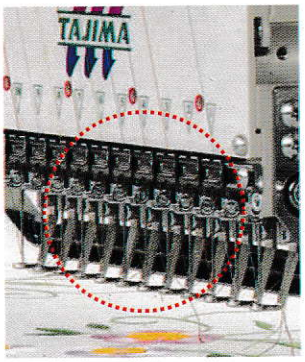
ELECTRONIC MULTI-HEAD AUTOMATIC EMBROIDERY MACHINE

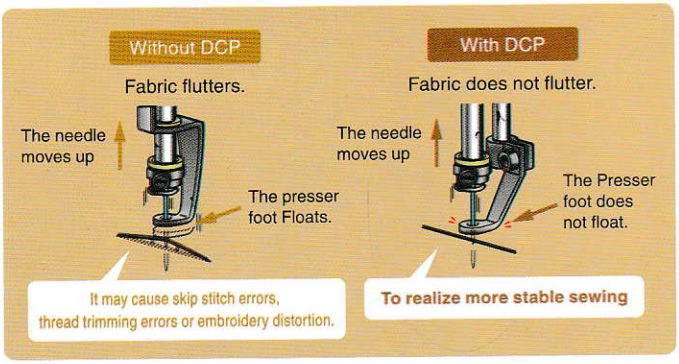
TMCR-VF SERIES

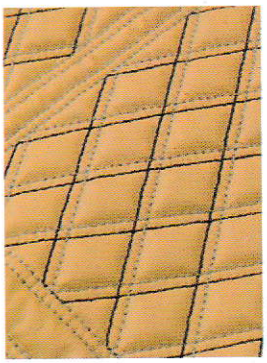
Features

Incorporation of the Digitally Controlled Presser Foot for secure fabric stability. DCP

The DCP can reduce fabric fluttering that occurrs during embroidery.
It is especially effective when embroidering on thick fabric, thin fabric and folds of sewn fabric.







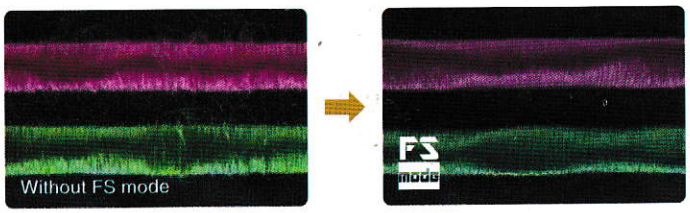
In addition, the DCP can position the presser foot to the most suitable height according to the thickness of the fabric. The work which would normally be carried out by a skilled person can be easily set on the touch panel.

*DCP stands for "Digitally Controlled Presser foot".

View by video clip.

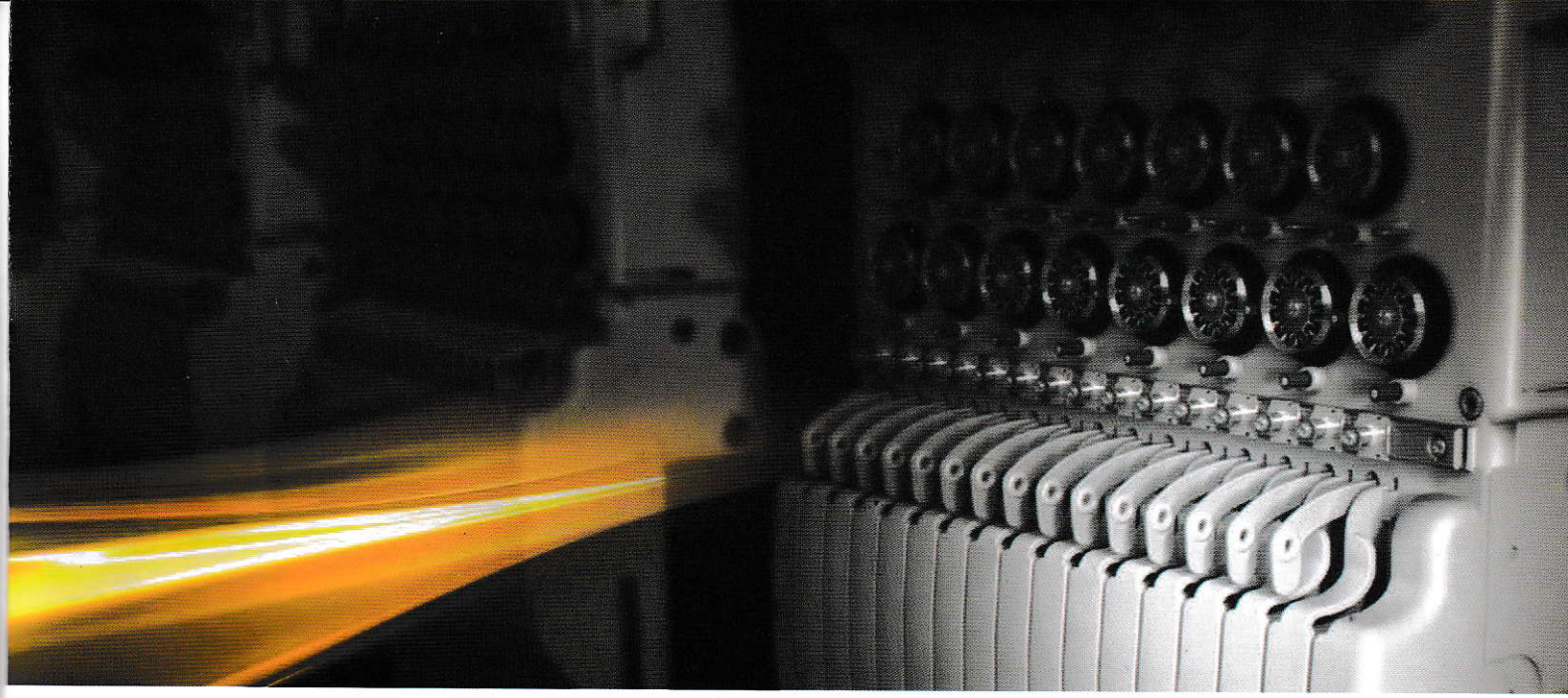
FS mode to expand material variations. FS mode

The FS mode is standardly equipped on all models. The FS Mode dramatically improves the quality of embroidery done with thick or soft-twisted thread that was unsuitable for embroidery machines in the past.



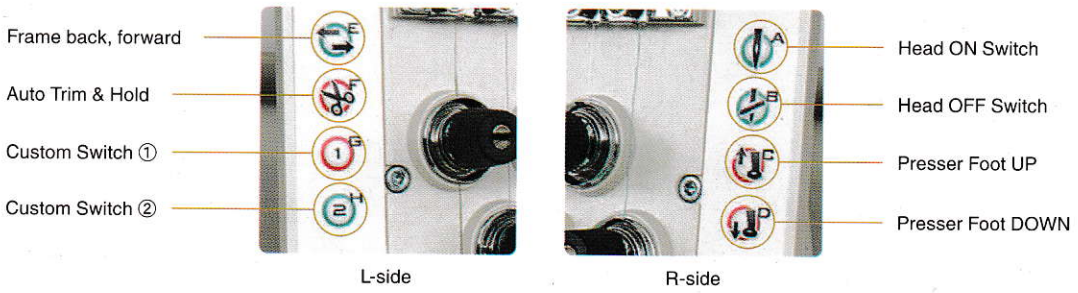
Needle: DB×K5Z1FS
Thread guide: ϕ22
Needle Plate: 2.5ϕ 34ϕ×dent 0.5

- Options for more beautiful embroidery of soft-twisted thread.
- The rotation speed is limited when using the FS mode.



Direct command switches

Various operation switches and multi-color LEDs are located on each tension base.
Since all of the main functions of the operation panel can be manipulated at each head, operator work efficiency has been improved.
Commonly used functions may be assigned to the custom switches. (Scheduled for 2018)

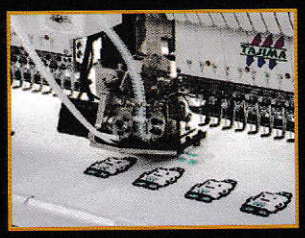


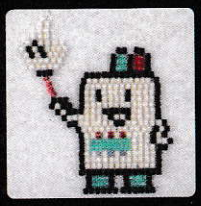
Multi Cording Device 2 (Dealer Option)

Tajima's original Multi Cording Device 2 allows you to sew six kinds of cord. The material can be sewn precisely by using the digitally controlled presser foot which presses with the power and timing suitable for the material. Maintaining the texture of the material, softer material is finished softly, and it is possible to embroider with a three-dimensional impression when sewing while overlapping the cord.

View by video clip.

Factory Option

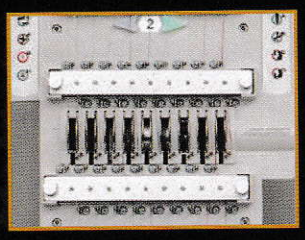




View by video clip.

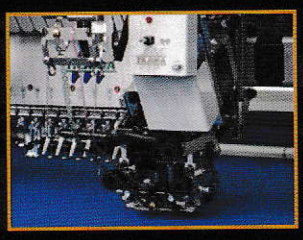
Seed Beads Device

Automatic color changing seed beads embroidery device
By automating beads embroidery which was previously performed manually by craftsmen, mass production has been realized.



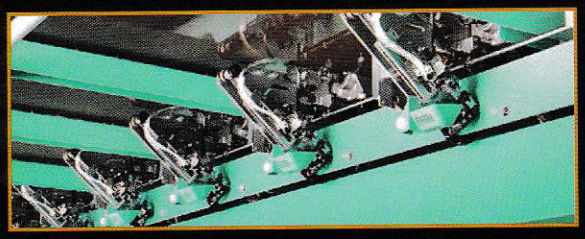
i-TM - intelligent - Thread Management

i-TM realizes thread tension that coincides with the characteristic of each stitch.
By controlling the upper thread consumption volume, the digitally controlled motor provides the appropriate tension. As a result, problems such as the under thread coming out on the top of the fabric, the fabric becoming wrinkled, etc. are solved, and the unevenness of the embroidery finish for every head is prevented.



ESQ-C (Easy Sequin Device Color Change Type)

After simplifying the complicated application of sequins on a large scale, quality improvement and the minimizing of adjustment time has been realized. It has become much easier to change the type and size of sequin at will. The linked bead attachment can also be added as an option.



View by video clip.

SBC (Smart Bobbin Changer)

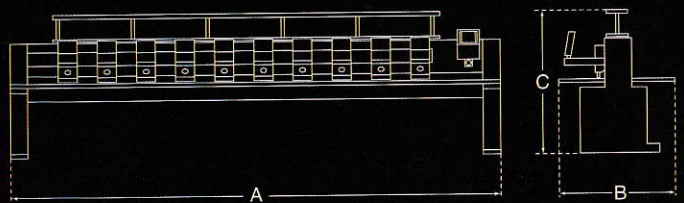
Replacement bobbins are held and set into their respective rotary hooks. Completed in only 6 seconds!!
It takes the SBC only 6 seconds to replace the bobbins on all heads. Because replacement bobbins can be set beforehand while the embroidery machine is in operation, the downtime of the machine due to bobbin replacement can be drastically reduced.

Model	Needles	Multicolor heads	Head interval	Embroidery space [mm] D × W	A	B	C
TMCR-V0620F(550×200)D	6	20	200D	550 × 200(400)	5,365	1,610	1,635
TMCR-V0918F(800×400)S	9	18	400S	800 × 400	8,565	2,080	1,635
TMCR-V0918F(1,200×400)D	9	18	400D	1,200 × 400(800)	9,055	2,880	1,735
TMCR-V0920F(680×330)S	9	20	330S	680 × 330	7,915	1,820	1,635
TMCR-V0930F(1,500×240)DE	9	30	240DE	1,500 × 240(480)	8,905	3,480	1,635
TMCR-V1212F(680×345)S	12	12	345S	680 × 345	5,455	1,820	1,635
TMCR-V1215F(680×400)S	12	15	400S	680 × 400	7,365	1,820	1,635

• Contact us for other specifications and more details.

Specifications

Mainshaft motor : AC servo motor
X and Y axis motor : AC servo motor
Revolution : Max. 1,100 rpm
Power consumption : 1.2 kw
Power supply : 3-phase 200-240 / 380 / 415V 50/60Hz
Single-phase 200-240V
Factory options : Automatic Lubrication system, Automatic Frame Changer, SBC (Smart Bobbin Changer), UBCII (Bobbin Changer II), ESQ-C (Easy Sequin Device Color Change Type), Sequin Device IV, Seed Beads Device, i-TM
Dealer options : Multi Cording Device 2, Boring Device 2, Beam Sensor, Position Marker



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Manufacturer
TISM Co.,Ltd.

Please contact our distributor listed below.

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Tel: 49349934, 49334039 Fax: 880-02-48319716, E-mail: nafgroup@dhaka.net,

TMCP-VF

SERIES

ELECTRONIC MULTI-HEAD AUTOMATIC EMBROIDERY MACHINE

The new world standard.

High productivity High stability High usability High durability

Exquisite and Impressive embroidery

TAJIMA

Fashioning your Future Tajima always leads, never follows

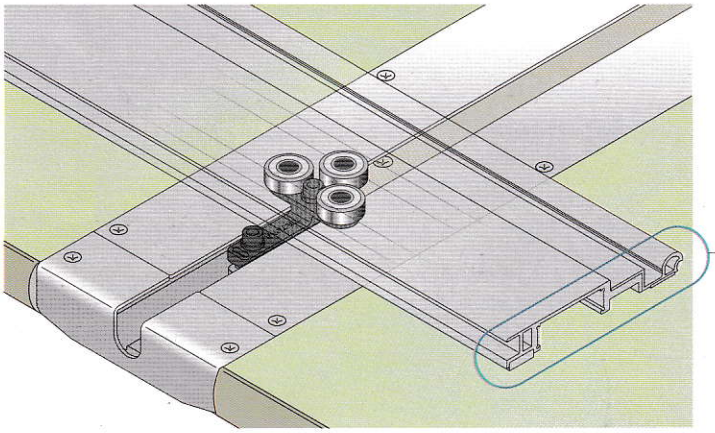
ELECTRONIC MULTI-HEAD AUTOMATIC EMBROIDERY MACHINE

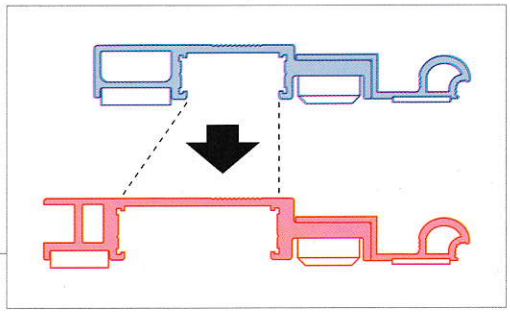
TMCP-VF SERIES

Features

On to newer heights

The TMCP-VF SERIES has more improved stitching stability and embroidery quality than the TFGN-II series. To enhance the machine foundation, the output of the frame drive motors is improved and an energy efficient AC servo motor is adopted as a main shaft motor. Also, a reinforced sash; which was introduced for large machines, has been adopted to all TMCP-VF series.





The stitching is more stable because of the wider sash.

FS mode to expand material variations

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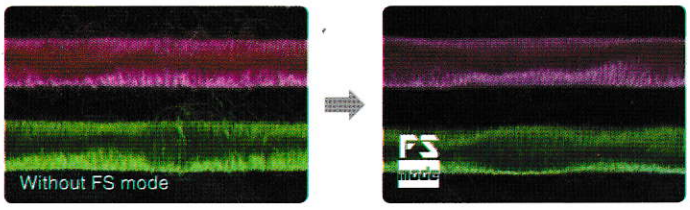
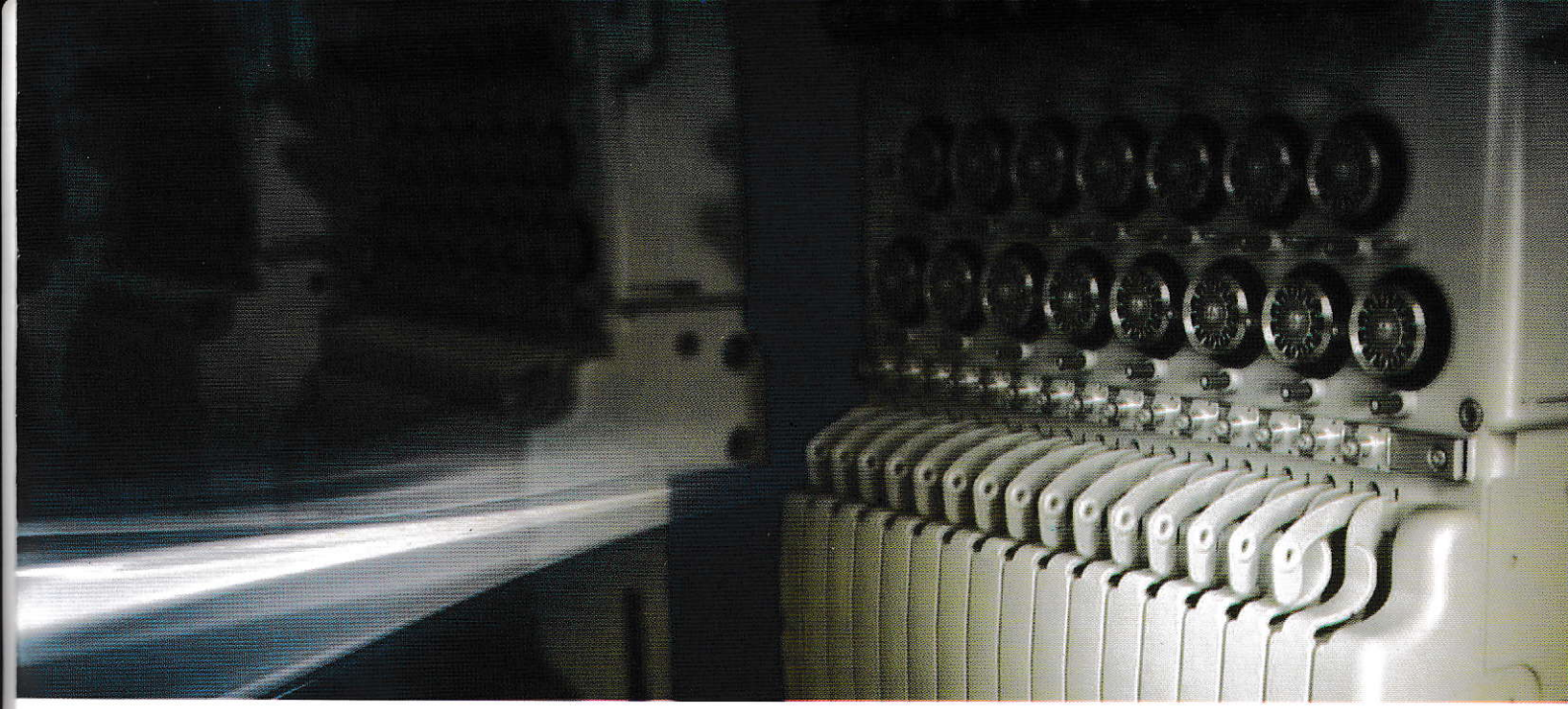


Needle:
DB×K5Z1FS

Thread guide:
φ22

Needle Plate:
2.5φ 34φ×dent 0.5

- Options for more beautiful embroidery of soft-twisted thread.
- The rotation speed is limited when using the FS mode.



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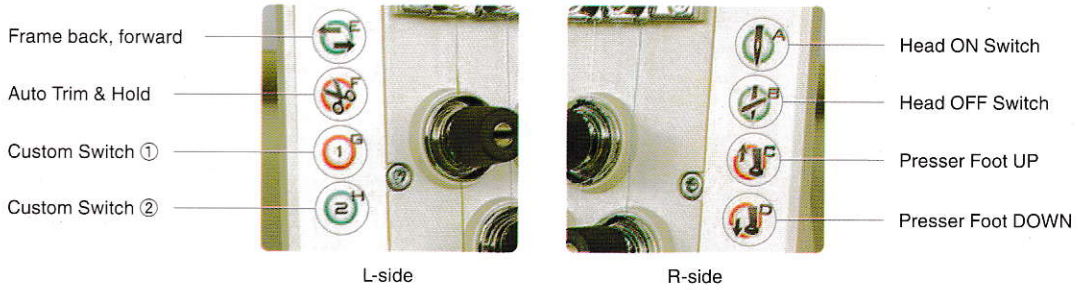
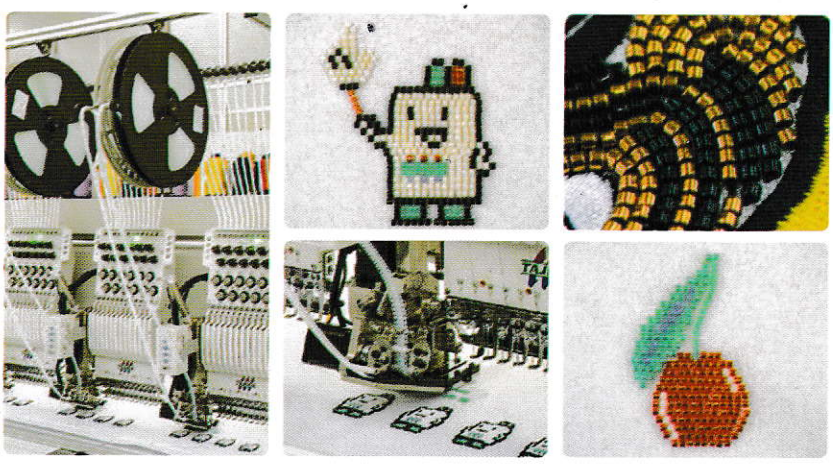


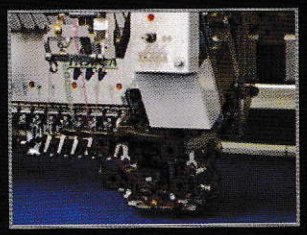
Seed Beads Device (Factory option)



Automatic Color Change Glass Bead embroidery device. It is automated allowing you to embroider beads rapidly instead of by hand so that mass production becomes possible. Also, the beads are set in a tape reel so it is easy to exchange and manage.

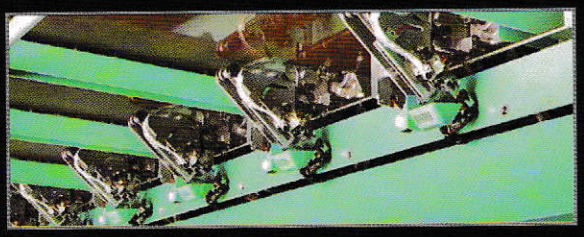
View by video clip.

Factory option



ESQ-C (Easy Sequin Device Color Change Type)

The ESQ-C realizes sequin embroidery accuracy. It also drastically improves and shortens the adjustment time. This has been realized by redesigning the complex mechanism of the Sequin device. It's much easier to interchange sequin sizes than before.



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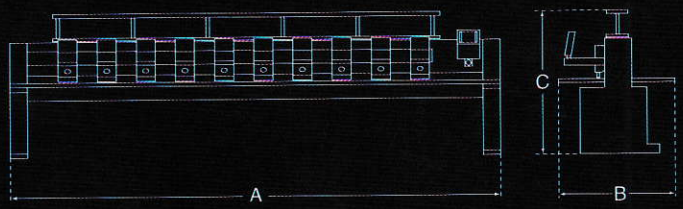
TMCP-V0620F(550×200)D	6	20	200D(W)	550 × 200(400)	5,365	1,610	1,635
TMCP-V0912F(680×345)S	9	12	345S	680 × 345	5,455	1,820	1,635
TMCP-V0918F(800×400)S	9	18	400S	800 × 400	8,565	2,080	1,635
TMCP-V0920F(680×330)S	9	20	330S	680 × 330	7,915	1,820	1,635
TMCP-V1204F(680×400)S	12	4	400S	680 × 400	2,865	1,820	1,535
TMCP-V1212F(680×345)S	12	12	345S	680 × 345	5,455	1,820	1,635
TMCP-V1215F(680×400)S	12	15	400S	680 × 400	7,355	1,820	1,635

* Contact us for other specifications and more details.

● Specifications

Mainshaft motor : AC servo motor
X and Y axis motor : AC servo motor
Power supply : 3-phase 200-240 / 380 / 415V 50/60Hz
Single-phase 200-240V
Revolution : Max. 1,100 rpm
Power consumption : 1.2KW
Factory options : Automatic lubrication system,
SBC (Smart Bobbin Changer), UBC II (Bobbin Changer II),
ESQ-C (Easy Sequin Device Color Change Type),
Sequin Device IV, Seed Beads Device
Dealer option : Beam sensor, Boring device II, Position Marker



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Manufacturer

TISM Co.,Ltd.

*The actual embroidery area and embroidery speed may vary depending on the items being produced, the machine model, and the embroidering conditions.
*Caution: No registered trademark or product design contained in this catalog may be used without prior permission from the manufacturer.

Please contact our distributor listed below.

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SINCE 1987

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Tel: 49349934, 49334039 Fax: 880-02-48319716, E-mail: nafgroup@dhaka.net,

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

Chenille embroidery machine

TCMX series

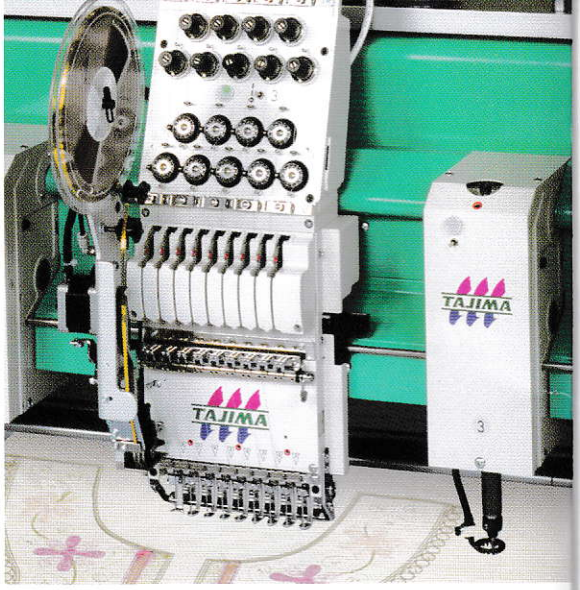
www.tajima.com

TAJIMA

Multi-head Automatic Embroidery Machine

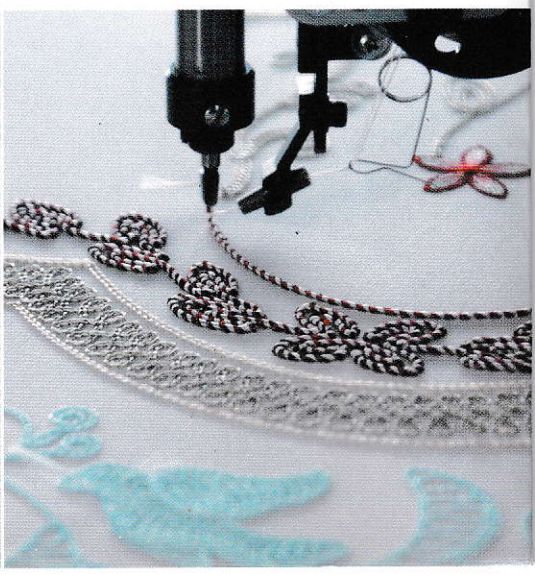
TCMX series Chenille embroidery machine

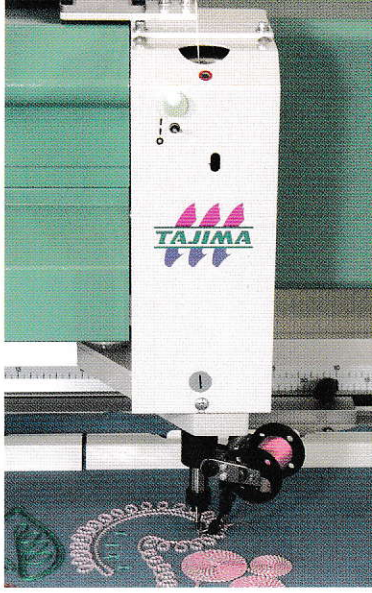
Integration of Tajima's know-how and the most advanced technologies creates higher value added products.



TCMX Mixed-Type Series

A Mixed type series to increase production efficiency and open the way to versatile embroidery expressions!
Chenille embroidery and standard embroidery have been brought together in one embroidery machine.
A chenille embroidery head is coupled with a standard embroidery head in a pair (available up to 15 pairs).





TCMX 600 Series

Multi-head embroidery machines, specialized for chenille embroidery, in the pursuit of high speed, quietness and productivity. Stable stitching is available at the industry's fastest speed of 750rpm in lineup up to 23 heads!

TCMX - 601

Single-head model, using the same technologies as the multi-head models. Space-saving and best suited for small lot production!

Chenille embroidery

High-speed operation at 750 rpm has been brought to reality.

High-speed operation at 750 rpm (in comparison with our previous specification of 600 rpm) has drastically increased productivity.

Automatic change of 6 colors enables versatile multicolor arrangement.

A setting on the operation panel allows the operator to select desired colors.

Automatic lift-up mechanism

The Needle, Nipple and Presser foot are automatically lifted up for easier frame exchange operation.

Automatic needle height adjusting mechanism

Needle height is adjustable in 10 steps according to the loop height or chain size.

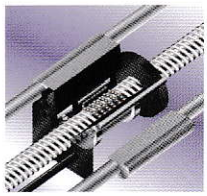
Tie-off function to prevent the thread from fraying

Chain stitches are automatically inserted for some stitches after completion of loop stitches for prevention of thread fraying that causes production error.

Standard embroidery head

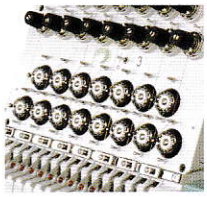
A ball screw drive system has been adopted to reduce the time for color change operation

A ball screw drive system, widely used for precision positioning control of industrial machinery, has been introduced to the color change drive system. The time required for color change from the first to the ninth needles has been reduced from about 3 to 1.1 seconds, drastically improving productivity of multicolor embroidery.



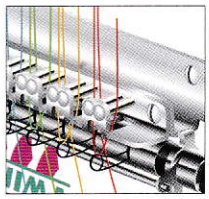
Thread breakage detector to prevent production error

A sensor monitors thread movement at all times. If the upper or under thread is broken, this system detects it in an instant and stops stitching to prevent embroidery production from continuing with broken thread. The sensitivity of the sensor is adjustable on the operation panel, depending on the embroidery conditions.



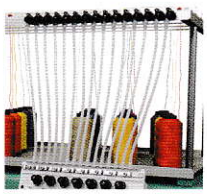
Middle thread guide with thread take-up spring, keeping the balance of upper and under threads

The thread take-up spring picks up excess thread and stabilizes the balance of upper and lower threads at high speed operation, improving thread tension. Thread breakage has been reduced by 30 - 50% (compared with our previous specification) due to extra fine satin stitches (2mm or less), needle tip or thread untwisting etc.

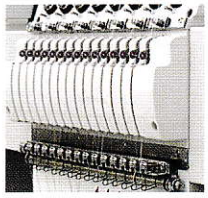


Spiral tube, Take-up lever guard 〈PAT〉, paying attention to safety

Spiral tubes between the upper thread course stand and the individual tension base protect upper threads against environmental wind, generated by air conditioner, etc. which causes thread to be entangled with each other. Furthermore, uniquely developed covers are mounted onto the take-up levers to prevent threads from getting entangled during high-speed operation and to improve safety in working environments.



Spiral tube



Take-up lever guaed 〈PAT〉

Technology and function

User-friendly operation panel in pursuit of operational convenience

An easy-to view 15 inch 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>.

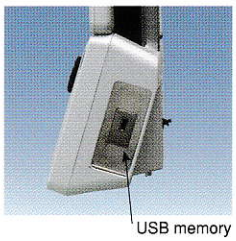
※ 6.5 inch color LCD operation panel is mounted to the models with total machine length 4,330mm or less.

Sleep mode function to save energy

The energy saving function of a personal computer has been introduced to the operation panel. Holding down a single button sets the machine in the standby status and pressing it once more cancels this function. Unnecessary power consumption can be kept down without turning off the main power.

Data input/output

Design data input or output is available, using USB memory.
*Commercially available USB memory reader/writer is applicable.



USB memory

"Condition memory" function, supported by Tajima binary format

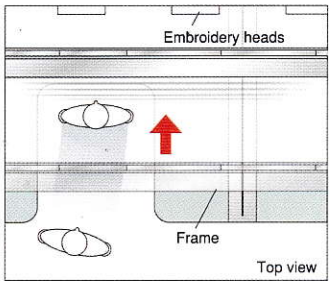
Design start position and stitching conditions, registered by an embroidery machine, can be output to USB memory or other media together with the design data. They can be easily recalled and reusable for reproduction. Tajima binary data format (TBF) is supported to create more complicated designs.

LAN support for networking

LAN port is prepared for easy access to networking function, using DG/ML by PULSE (option).

Table offset switch 〈PAT.P〉

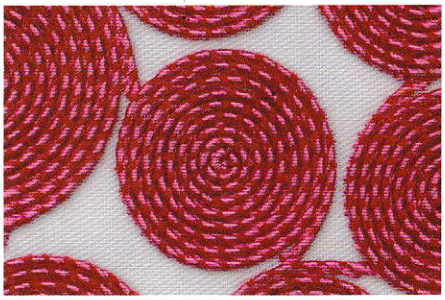
This special switch is mounted under the table of a jumbo embroidery machine to retract the frame temporarily to any position out of the way for jobs such as threading.

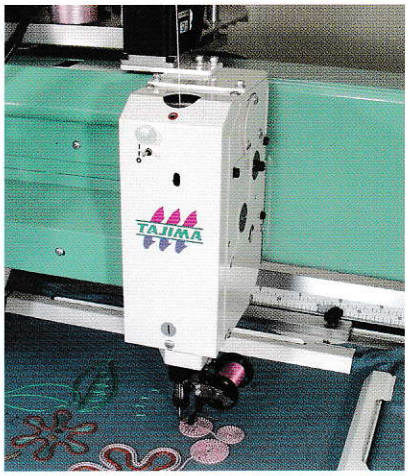


Option

Coiling/Taping device (MT-1)

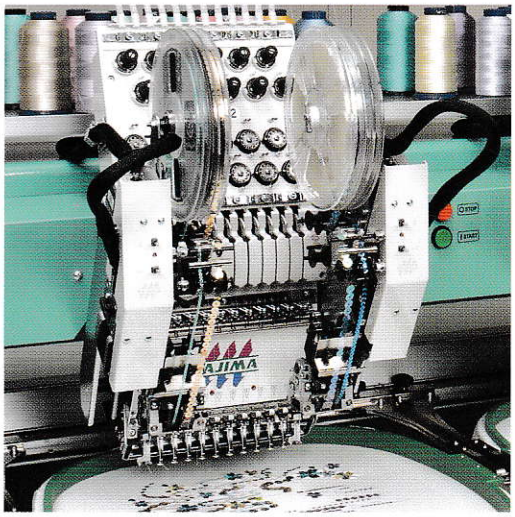
This device enables both coiling embroidery and taping embroidery. Coiling embroidery finishes core and coiling threads with a soft touch and allows you various coiling variations. (The winding ratio of coiling thread for the core thread is adjustable in 4 steps.) Furthermore, combination with loop and/or chain stitches expands the potentials of you embroidery designs.





Sequin device Ⅲ twin type 〈PAT.P〉

It is now possible to embroider a max. of 4 different sizes, shapes and colors on each head ! 2 kinds of sequins on one side can be interchanged and embroidered at high speeds as desired. This next-generation Sequin device permits more design options and improves production efficiency.

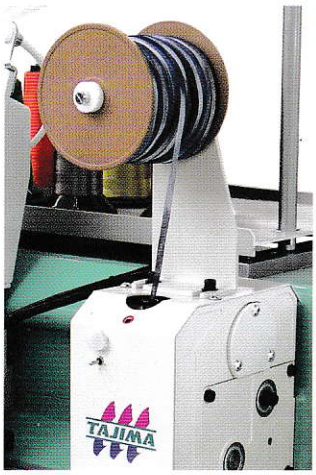


High-speed sequin device 〈PAT〉

Various kinds of sequin spangles of 3-9mm dia. on a belt can be stitched at max. speed of 1,000 rpm. Also available are the options of the W-reel to mount 2 sequin tape reels of the same diameter at the same time and the attachment to mount a 200m winding reel (225mm dia.).

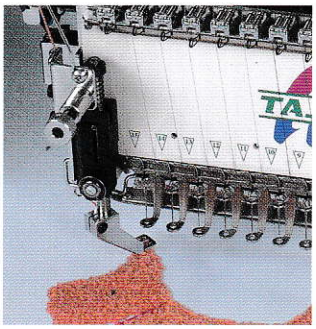
Cording Device (K-2)

The cording device, exclusively used for chenille embroidery.



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.

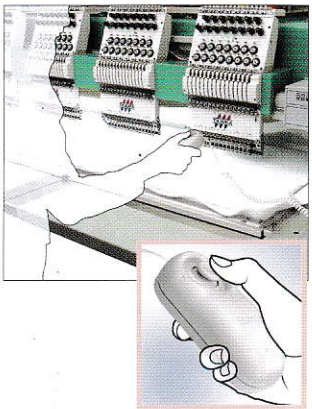


Boring device

A special knife bores fabric and the device overlocks the hole. Hole size is adjustable as needed and the shape can be created in the course of design data making.

Jog remote-controller 〈PAT〉

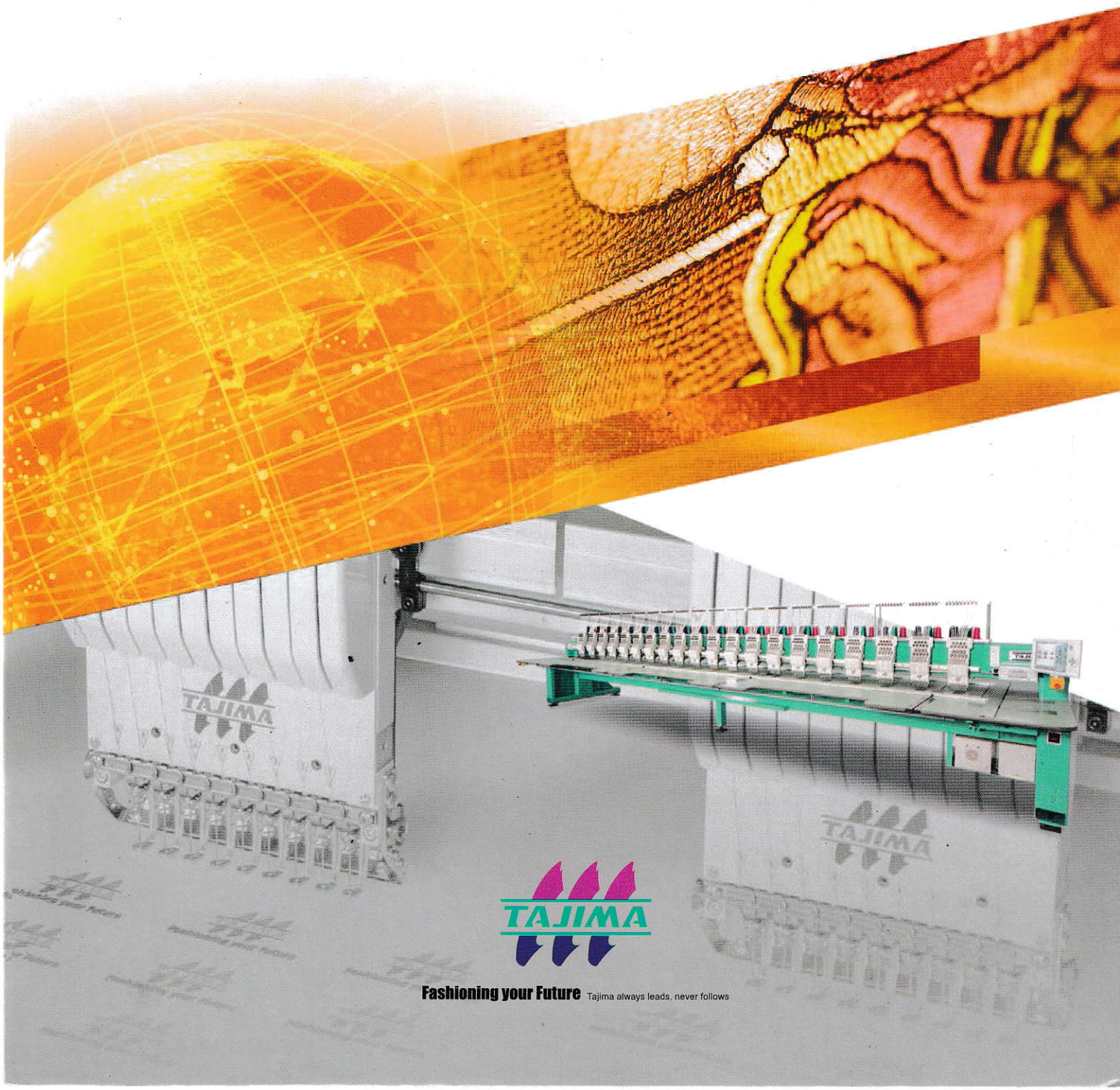
The jog remote-controller has consolidated the function of frame travel operations. It is independent of the operation panel and allows to move the frame while the operator is close to the needles.



TMCS-VF

SERIES

ELECTRONIC MULTI-HEAD AUTOMATIC EMBROIDERY MACHINE

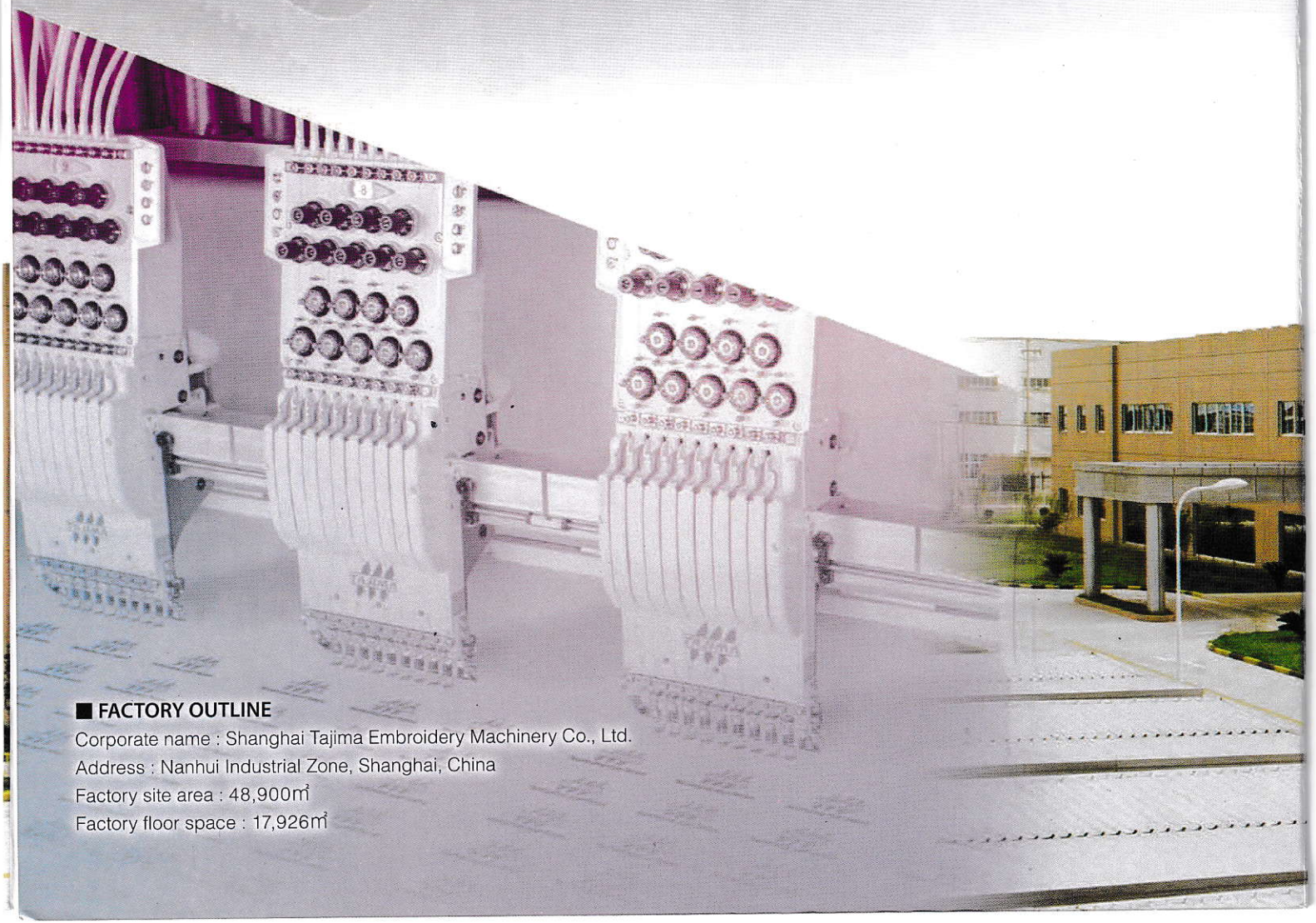


TAJIMA

Fashioning your Future Tajima always leads, never follows

The world's highest quality born in Shanghai

Tajima's products are made with no compromise in quality.
The new embroidery machines now make a debut from Shanghai,
fully loaded with genuine craftsmanship and the latest technology.



■ FACTORY OUTLINE

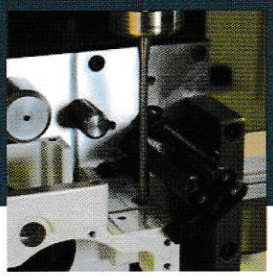
Corporate name : Shanghai Tajima Embroidery Machinery Co., Ltd.
Address : Nanhui Industrial Zone, Shanghai, China
Factory site area : 48,900㎡
Factory floor space : 17,926㎡

In pursuit of the ultimate in accuracy, a step closer to perfection

Major production technologies have been brought from Japan to materialize in-house production of the major components. Introduction of the production technology and quality control, accumulated through many years, enables consistent manufacturing of the products from processing and assembling of parts right up to final inspection.

Part processing, supporting *the world's highest quality*

To build embroidery machines with the "world's highest quality", the quality level of the component parts is very important. Tajima has introduced major production technologies from Japan in pursuit of quality maintenance at the same level as in Japan for processing higher precision parts.



Production lines to c *the world's highest q*

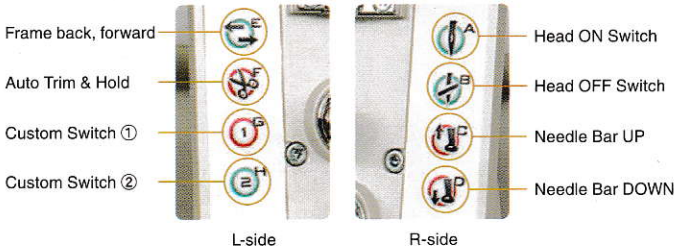
The most important process in the produc from machine assembling to inspection. Our long-accumulated production techn to our Shanghai factory and we have established production lines to manufacture the embroidery machines of the world's highest quality the same way as we do in Japan.

Upgraded Operation Panel

A 12.1 inch color LCD monitor, an exclusive graphical user interface (GUI) and a touch panel <PAT> are put together to improve operational convenience even more. Also a 32bit CPU is installed to increase image-rendering speed on the screen, and memory capacity is more than 10 times bigger than TFSN series. A more comfortable, user friendly working environment is brought to you by Tajima.

Direct Command Switches

Various operation switches and multi-color LEDs are located on each tension base.
Since many of the main functions of the operation panel can be manipulated at each head, operator work efficiency has been improved. Commonly used functions may be assigned to the custom switches.



TMCS Series, the essence of Tajima's extensive technica experience and brand loyalty

Loaded with all the latest technology,
the TMCS Series has realized both high quality and cost efficiency.

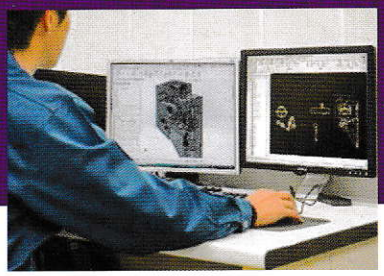
reate *uality* machines

tion of embroidery machines is the core sector

logy and quality control have been introduced

Both *the world's highest quality* and cost efficiency

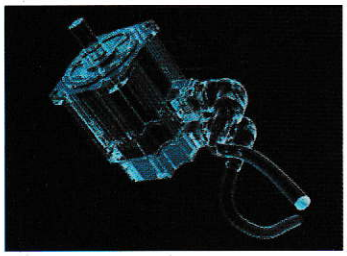
The development division of the Tajima Group is making embroidery machines, keeping in mind the customers' needs and cost competitiveness through our vast experience in the global network. The new TMCS Series machines are born in the Shanghai factory with full consideration of cost performance as well as the quality from the very beginning stages of development.



Servo Motor

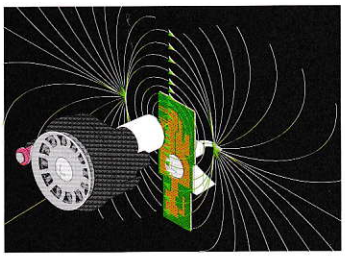
Powered by an AC Servo Motor

An AC servo motor is adopted for the main shaft and the frame drive as with Tajima's flagship models.
Optimized drivers, motors, and encoders are incorporated into a closed circuit controlled by Tajima technology. Extremely high positioning precision has been achieved while maintaining high speed of 1000 RPM.
Tajima's motor drive algorithm boosts the quality of embroidery to new levels of excellence.



Magnetic Upper Thread Detection System

A Rotary disk with a unique cut detects the upper thread flow regardless of thread type and stitch length.
The latest magnetic sensor adopted in place of the optical type detects even slight movements of the rotary disk accurately, so it can make the machine stop instantly when it detects a variety of such abnormal thread behaviors as not only upper thread breaks, but also bobbin thread breaks and mis-trimming of threads.
In addition, since a magnetic sensor is adopted, the detection performance is not affected by dust and dirt.



TMCS-VF

Pride in the world's best quality

The Shanghai factory has established a consistent machine production system from processing and assembling of parts up to quality control of the machines on the basis of Tajima's strict production control and quality standards.

Achievement of quality of Japan-made machines

Major production technologies have been imported from Japan for in-house production of major parts in dedicated processing lines to maintain the same accuracy as in Japan.

Superior cost performance

As a result of drastic review of the functions and costs from development up to production, embroidery machines with excellent cost performance have been brought to reality.

The new Sequin Device twin type

ESQ-C

Easy adjustment SeQuin device of Color change type

After simplifying the complicated application of sequins on a large scale, quality improvement and the minimizing of adjustment time has been realized. It has become much easier to change the type and size of sequin at will. The linked bead attachment can also be added.

Supported Sequin size : 3mm dia to 9mm dia. front hole eccentric sequins
Sold separately : 2mm size attachment, Beads device attachment

TAJIMA
Fashioning your Future Tajima always leads, never follows

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