

Optional Frame Lineup



Tubular Frame(standard)



Cap Frame

- M-Frame
- X-Extension Unit
- Sock Frame
- Air Type Clamp Frame 2
- Pocket Frame
- Air Type Pocket Frame

Reinforced tubular frame

The newly-designed arms have been made 3times more rigid than the conventional type, easily supporting of heavy items like jackets.

Faster, beautiful embroidery on caps

Reinforcement of the cap frame support structure has contributed to stabilization of the embroidery finish, by dramatically increasing the maximum rotation speed up to 1,000 rpm.

Cloud-based System "PulseID" for Enhanced Efficiency

PulseID is a cloud system that streamlines the embroidery supply chain by automating embroidery data creation, transferring data to machines, monitoring operations, and generating reports.



Scan here for more information



SPECIFICATION

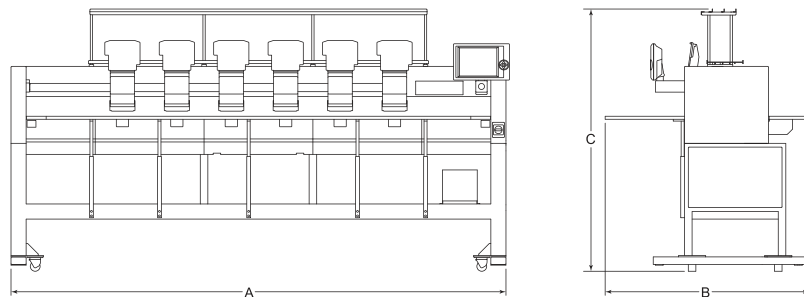
Needles	Multi color heads	Head interval	Embroidery field (D×W)				A	B	C
			Border Frame	Wide Cap Frame	Cap Frame	Tubular Frame	Width	Depth	Overall Height
9/12/15	2	500	450×500mm	75×360mm	83×180mm	439×419mm	2,260mm	1,355mm	1,730mm
	4	360	450×360mm			439×279mm	2,560mm		
	4	500	450×500mm			439×419mm	3,260mm		
	6	360	450×360mm			439×279mm	3,280mm		
	6	500	450×500mm			439×419mm	4,260mm		
	8	360	450×360mm			439×279mm	4,000mm		
	8	500	450×500mm			439×419mm	5,260mm		

*Contact us for other specifications and more details.

Maximum speed	1,100rpm
Power	3-phase 200V 50/60Hz Single-phase 100V, 200V 50/60Hz
Power consumption	760w

OPTION

- Sequin device ESQ-C
- Seed beads device
- Multi cording device II
- Position marker
- Beamsensor



*The actual embroidery area and embroidery speed may vary depending on the items being produced, the machine model, and the embroidering conditions.
*Please inquire for details on options and embroidery frames.

Please contact our distributor listed below.



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Manufacturer

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Tajima Group
Official Website



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TMEZ-KC



Flagship model Multi-head / Cylinder type

AI Embroidery Machine TMEZ-KC



REVOLUTIONIZING THE FUTURE

TMEZ-KC is a multi-head, cylinder-type embroidery machine, designed for optimal performance in finished product processing and mass production. Equipped with Tajima's advanced technology, it ensures consistent high-quality embroidery and increased productivity. This model delivers fast, precise, and beautifully refined results.



i-TM is installed in place of conventional thread tension knobs.

There are no knobs to adjust the thread tension, as is the case with conventional embroidery machines. Upper thread tension adjustment is no longer necessary.



12.1-inch touch panel

The large 12.1-inch operation panel—one of the largest in the industry—features convenient icons and allows you to switch the language used for operating the machine.



New thread trimming device eliminates the picker

Eliminating the picker makes exchanging bobbins easier. It also provides more stable trimming and a 40% improvement over conventional machines in shortening thread tails on the reverse side of the fabric.



Design position adjustment function (corrects framing misalignment)

Even if the fabric pattern is slanted after framing, it can be corrected from the operation panel, with no need for repeated attempts to reframe.

High Quality, Stable Stitches with "i-TM" and "DCP"



DCP
digitally controlled presser foot

The Digitally Controlled Presser foot (DCP)

Digitally Controlled Presser foot (DCP) automatically applies proper pressure based on fabric thickness changes. DCP reduces fabric fluttering, ensuring stable and beautifully finished embroidery.

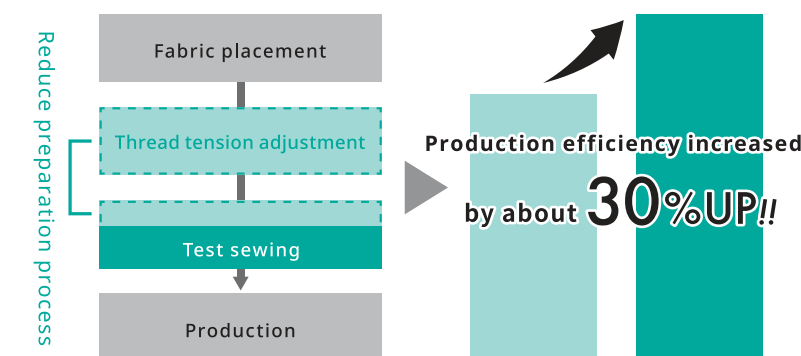


i-TM

Intelligent Thread Management (i-TM)

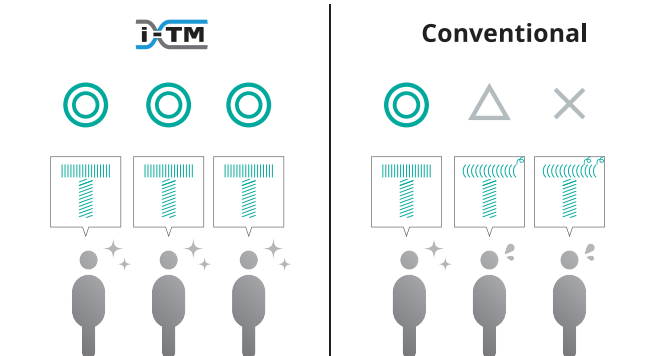
AI automatically adjusts the upper thread tension. Based on stitch data and the fabric thickness measured by DCP, the optimal thread supply is calculated, eliminating the need for manual adjustments.

Productivity Improvements & Stable Quality



Streamline stitching adjustments and production processes

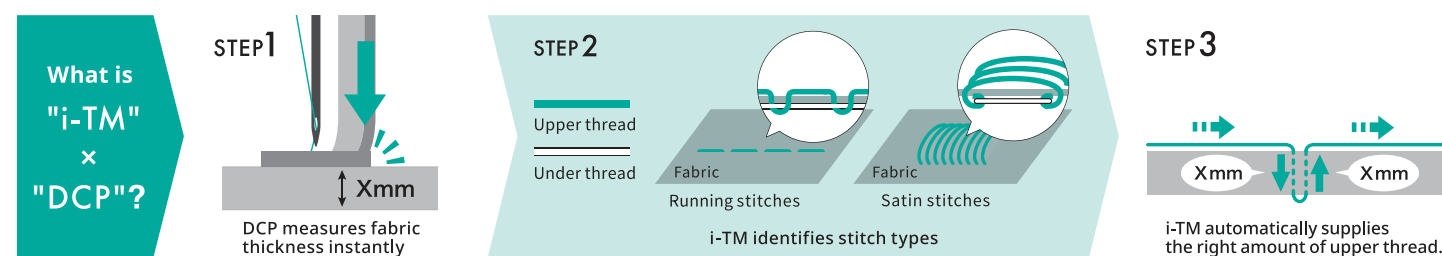
The time required for stitch adjustments has been significantly reduced, and the thread-friendly mechanism minimizes thread breakage even at higher speeds.



Reduce production loss/Shorten operator training time

With automatic upper thread adjustments, quality defects caused by adjustment errors can be reduced. Training time for beginner operators can be shortened, enabling even beginners to achieve high-quality and stable production. It also contributes to maximizing production per operator.

MECHANISM



SCENES

Highly recommended for adding logos and names to a wide range of finished products such as caps, sweatshirts, uniforms, and socks, with support for a variety of embroidery frames. It is suitable for small to medium-scale production.

Quickly adapts to changes in materials and items

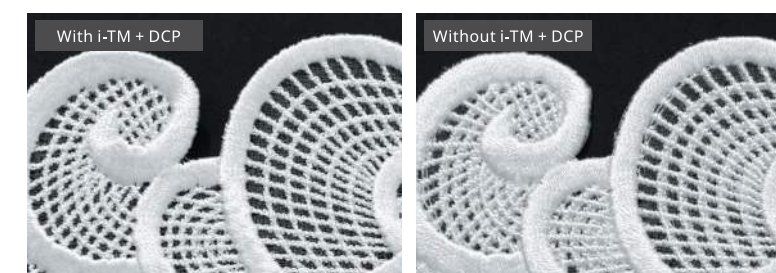
Even in production environments handling a wide variety of materials, the optimal amount of upper thread is automatically calculated and supplied, eliminating the need for thread adjustments when changing materials or items. This enables efficient and beautiful embroidery production.

Cotton thread / Rayon / Polyester / Metallic thread



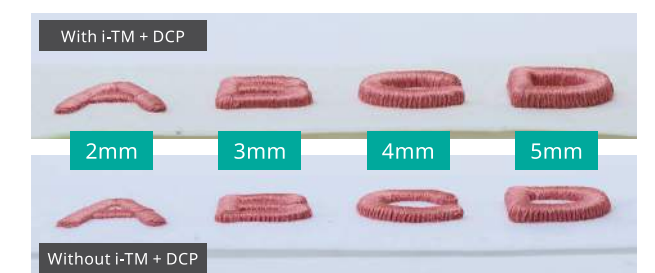
CASE STUDY Anyone can automatically embroider stable, high quality stitches.

CASE 1 : Lace embroidery



In lace embroidery with both satin and running stitches, i-TM automatically calculates the upper thread amount, ensuring beautiful stitching with voluminous satin stitches and tight running stitches, without overcrowding.

CASE 2 : 3D embroidery



The thickness of the urethane foam is measured for each stitch, DCP automatically applies proper pressure based on material thickness changes and the amount of thread supplied is automatically adjusted, allowing you to sew voluminous 3D embroidery without excessively crushing the urethane foam.