

Optional Frame Lineup



Tubular Frame(standard)

Reinforced tubular frame

Provides firm support to achieve clean, beautiful embroidery.

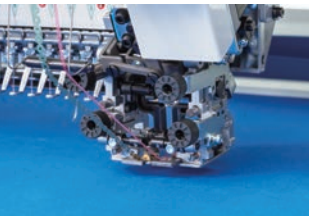


Cap Frame

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.

Manufacturer Options



Sequin Device

High precision for any size

Supports 3-9 mm diameter sequins, offering higher stitching accuracy and reduced adjustment time versus conventional equipment.



Seed Beads Device

Automated multicolor bead stitching

Supports stitching in up to four colors. By mechanizing bead embroidery previously sewn by hand, it enables high-volume production.

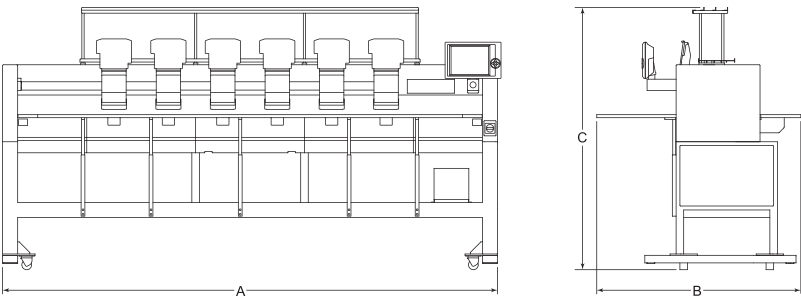


SPECIFICATION									
Needles	Multi color heads	Heads interval	Embroidery field (D×W)				A	B	C
			Border Frame	Wide Cap Frame	Cap Frame	Tubular Frame	Width	Depth	Overall Height
9 / 12 / 15	2	500	450 × 500 mm	75 × 360 mm	83 × 180 mm	439 × 419 mm	2,260 mm	1,355 mm (1,037mm(*1))	1,730 mm
	4	360	450 × 360 mm			439 × 279 mm	2,560 mm		1,740 mm
	4	500	450 × 500 mm			439 × 419 mm	3,260 mm		
	6	360	450 × 360 mm			439 × 279 mm	3,280 mm		
	6	500	450 × 500 mm			439 × 419 mm	4,260 mm		
	8	360	450 × 360 mm			439 × 279 mm	4,000 mm		
	8	500	450 × 500 mm			439 × 419 mm	5,260 mm		

(*1) The depth dimension indicated in parentheses applies to the model with the shorter table length.

Maximum speed	1,100rpm
Power	3-phase200V Single-phase 100V, 200V
Power consumption	760w

OPTION
Sequin device ESQ-C
Seed beads device
Multi cording device II
Position marker
Beam sensor
Laser cross marker



* Actual embroidery field and embroidery speed may vary depending on the product, machine model, and operating conditions.
* The embroidery field shown represents the maximum operating range; the actual stitchable area may be limited depending on the frame, presser foot, and other conditions used.
* The specifications and designs may change without notice for performance improvement.
* Please inquire for details on options and embroidery frames.

Seller

Tajima Industries Ltd.

NO.1800 Ushiyama-cho, Kasugai, Aichi-pref.
486-0901, JAPAN

TEL +81-568-90-6512,6514,6518
FAX +81-568-90-6513,6515,6519

Manufacturer

TISM Co.,Ltd.

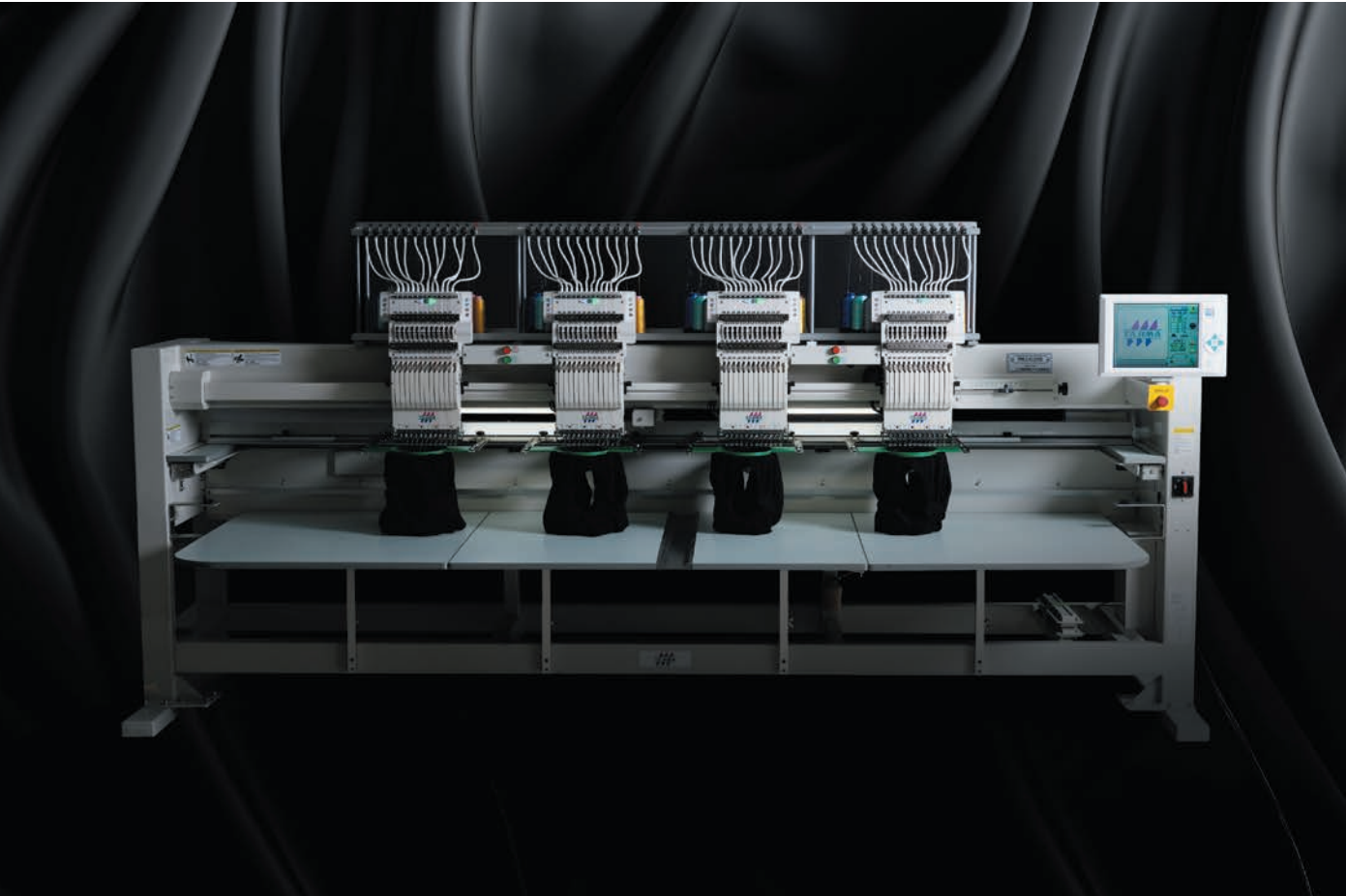
Tajima Group
Official Website



tajima.com

Please contact our distributor listed below.

TMEZ-KC



Flagship model Multi - head / Cylinder type

Professional Precision, Made Accessible.

The AI Embroidery Machine™ inherits craftsmanship and achieves both precision and productivity. Blending tradition with technology, it makes embroidery more accessible and expressive.



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

i-TM and DCP realize high quality and stable stitches. The need to adjust the upper thread tension according to the stitch, design, or material, as is done by skilled operators on conventional embroidery machines, is no longer necessary.



DCP

The Digitally Controlled Presser foot (DCP)

Tajima's original digitally controlled presser foot automatically adapts to fabric thickness changes. With each stitch, it measures the fabric thickness in just 0.05 seconds, suppressing fluttering and ensuring a stable, beautifully finished result.

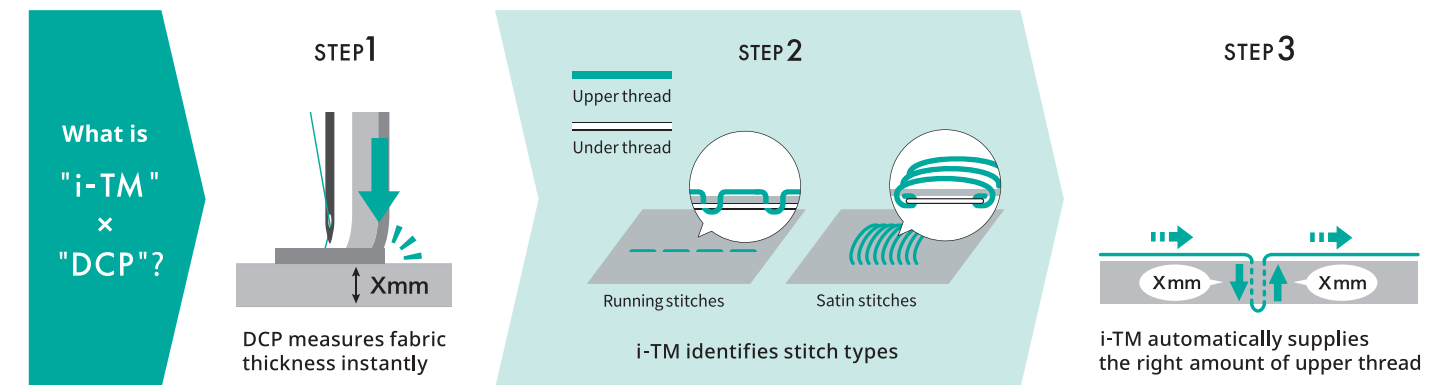


i-TM

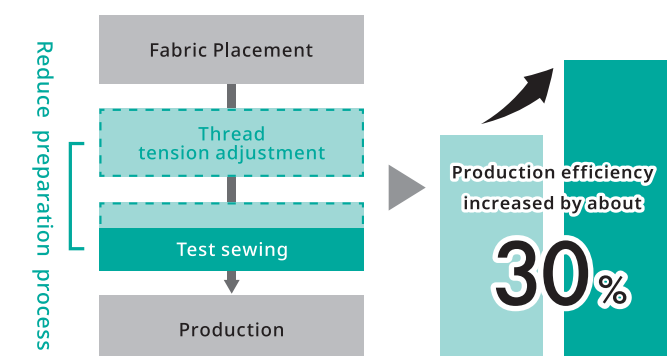
Intelligent Thread Management (i-TM)

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.

— MECHANISM

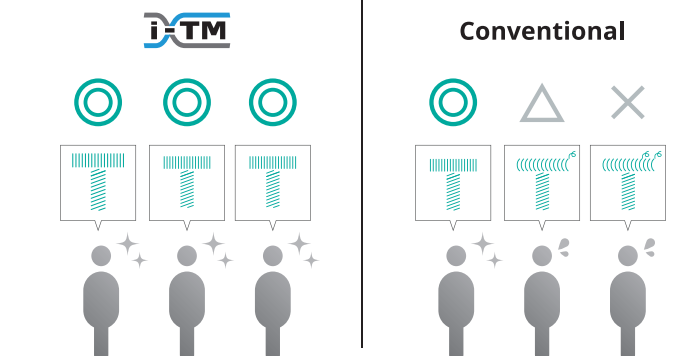


— IMPACT Productivity Improvements & Stable Quality



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.

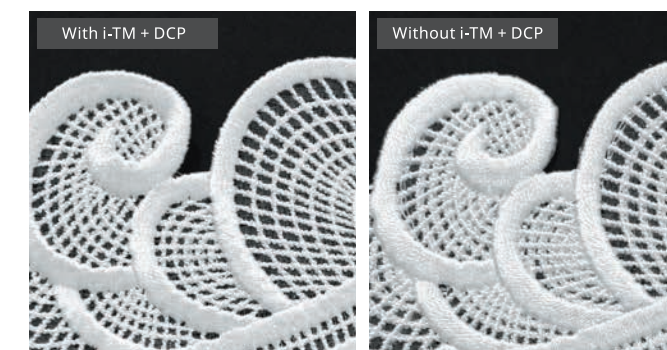


Reduce production loss / Shorten operator training time

AI replicates skilled upper thread adjustments, reducing defects and ensuring high-quality results. Consistent embroidery quality is achievable regardless of operator experience, making it ideal for environments with rotating shift operators.

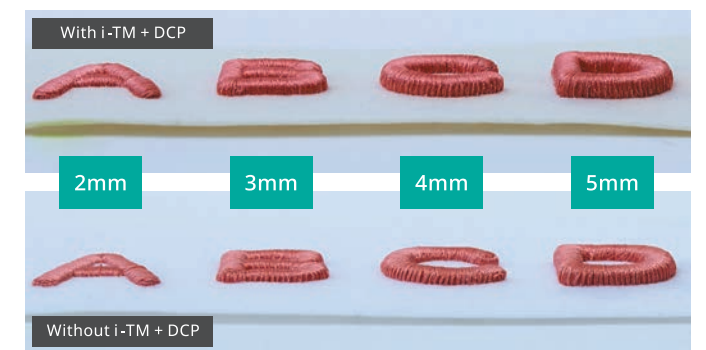
— CASE STUDY Anyone can automatically embroider stable, high quality stitches

CASE1 : 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.

CASE2 : 3D embroidery

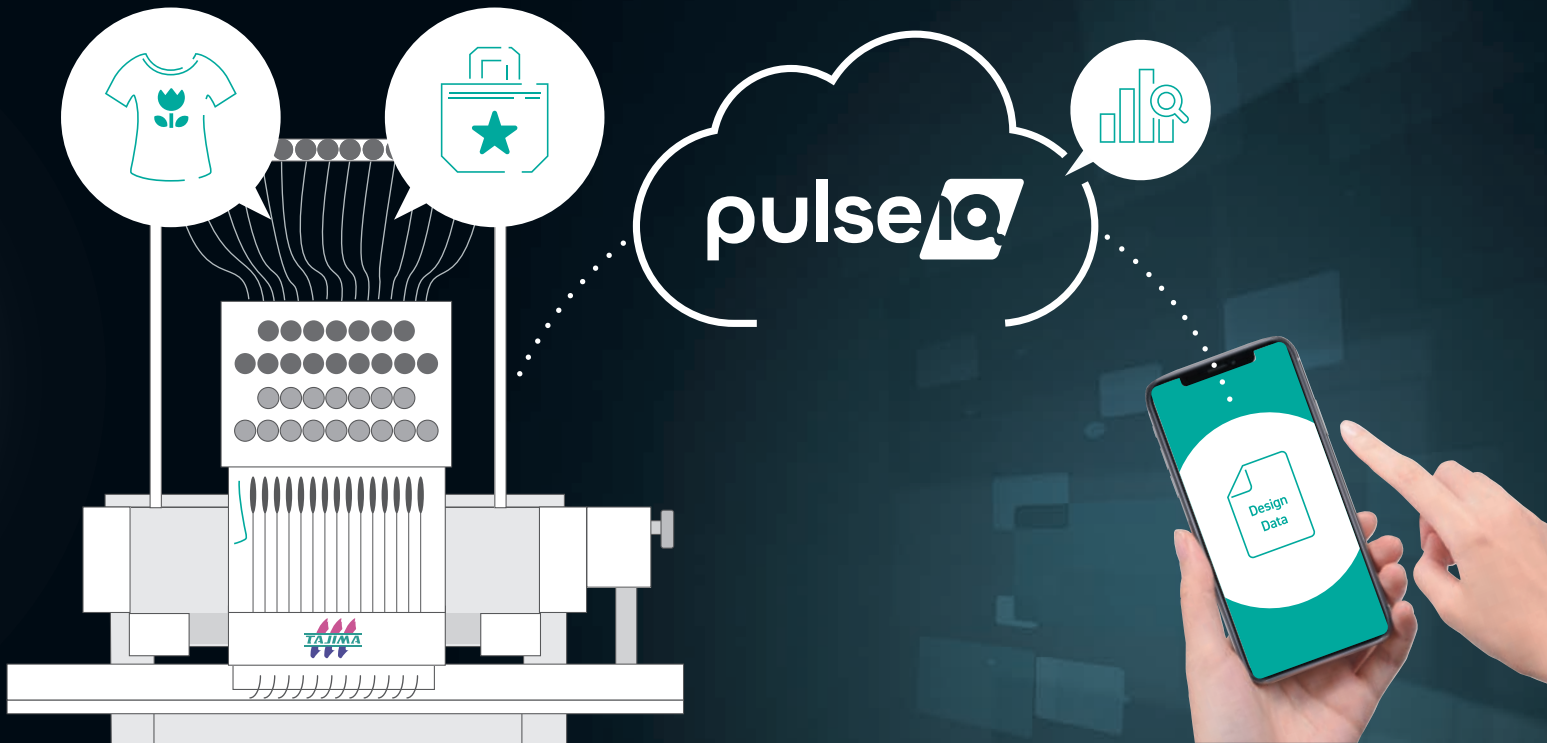


The thickness of the urethane foam is measured for each stitch, DCP automatically applies proper pressure based on material thickness changes and the amount of thread supplied is automatically adjusted, allowing you to sew voluminous 3D embroidery without excessively crushing the urethane foam.

PulseIQ – the innovative cloud service that accelerates embroidery production efficiency

With embroidery machines always connected to the network, various tasks in embroidery production, from design management to progress tracking, are centralized. Smartphone - based embroidery operation can significantly enhance both efficiency and quality.

PulseIQ provides a new embroidery experience while reducing production costs.



*1) Some features (such as push notifications and dashboard) require an additional paid option.
*2) To use PulseIQ functions from a mobile device, a dedicated paid app is required.

Simpler, Smarter Embroidery.

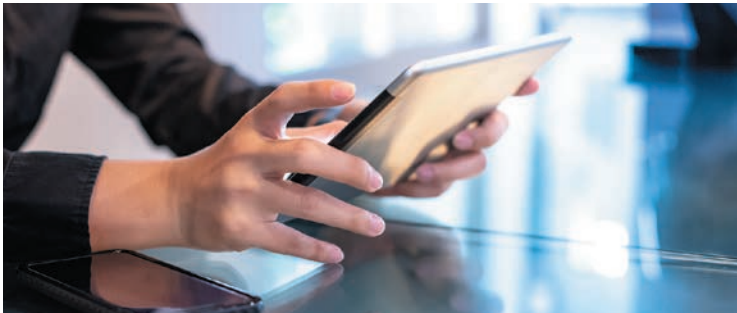
Flexibility Powered by the Cloud

No need for USB transfers or manual copying. By centralizing all data in the cloud, teams of any size can access and share information from inside or outside of the company. This reduces daily preparation and data management tasks, enabling flexible and speedy production without the limits of distance or environment.



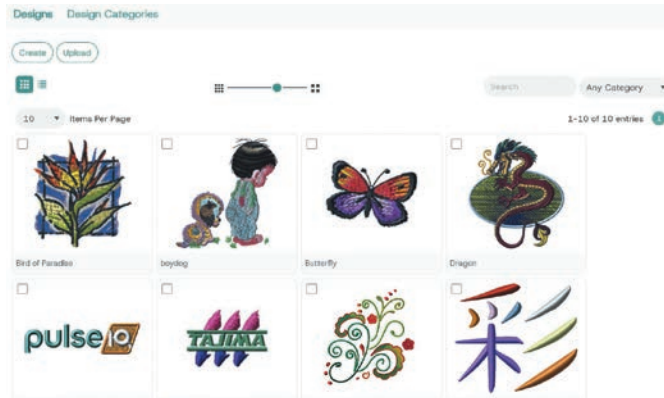
Smart Production Management through Visualization

Visualize the operation of multiple machines and processes to gain a clear overview of factory performance. Detect workload imbalances or stoppages early, and flexibly optimize layouts and workflows. This enables swift operations and a stable, adaptive management system that responds effectively to change.



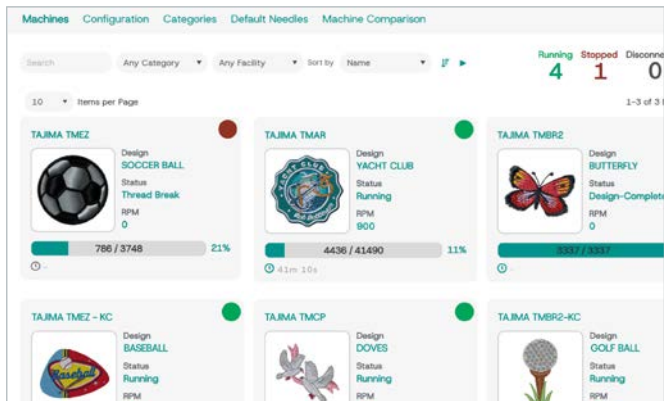
Instant Alerts for Reliable Operation

Push notifications (*1) instantly capture embroidery completion or machine stoppages. You can respond immediately when the machine stops, preventing unnecessary downtime. Notifications let even small teams work on other tasks while keeping machines running reliably.



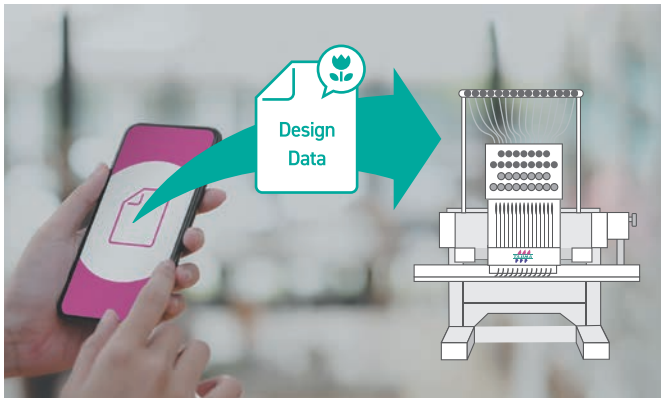
Embroidery Design Management & Editing

Equipped with a dedicated embroidery data management database. Large volumes of designs can be efficiently managed through search, tag classification, and preview functions. In addition, thread colors can be edited directly in the cloud without using specialized software.



Smarter Progress Tracking at a Glance

Operating status is visualized in real time, allowing production operations and progress to be managed remotely. Design order changes and adjustments can be handled smoothly. In addition, by using the dashboard (*1), managing multiple embroidery machines becomes simple.



Send Designs from Your Smartphone

Embroidery data stored in the cloud can be sent directly from the dedicated mobile app (*2). USB-based data management is no longer required, and design previews as well as data retrieval can be smoothly handled via smartphone.

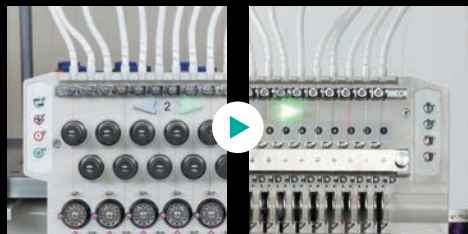


Push Notifications for Completion/Stop (Paid Option)

By linking with the mobile app (*2), embroidery status such as completion or thread breakage is instantly notified via push notifications (*1). This enables quick status awareness even from a remote location.

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.



PICK UP

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.



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.



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.

— 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.



— CUSTOMER REVIEWS

AI Embroidery Machine Case Studies

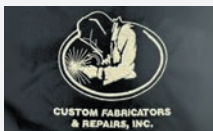


“Our capacity has doubled, and we are now able to meet high demands without compromising quality.”



C.C. Creations

Tajima's AI technology “i-TM” and the automatic presser foot “DCP” handle a wide range of fabrics, from burlap to stretch materials, while greatly improving clarity in lettering and the precision of fine details. Thread trimming is highly accurate, directly contributing to both quality improvement and workflow efficiency. Since implementation, production speed has increased by about 25%, and interruptions due to thread breaks or adjustments have been eliminated. QC (quality control) processes have also been simplified, saving time and removing bottlenecks. In addition, with expanded equipment, embroidery capacity has doubled, enabling stable response to even the highest demands.



“Thread breaks and fabric puckering have decreased, allowing us to handle large orders with confidence.”



Glaucus Co., Ltd.

In addition to single-head models, the factory introduced a six-head AI embroidery machine “TMEZ-KC” to strengthen production capacity. This enables speedy production even for large-volume orders such as hotel towels and bathrobes, or company uniforms. Troubles such as fabric puckering have been eliminated, ensuring efficient embroidery. Towels, in particular, show beautifully clean results, with fewer thread breaks. Even though embroidery threads can vary in quality - even under the same product number - the TMEZ handles them all reliably.



Cloud Service Case Studies

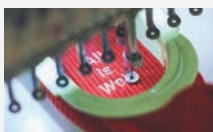


“Errors in data creation for custom embroidery services have decreased, and productivity has improved.”



Tabio Nara Co., Ltd. Birthplace

The cloud service reduced the effort of data creation and minimized human errors, leading to fewer product losses. Customers enjoy creating their own unique socks while previewing the result on the order screen, which enhances satisfaction. Order information is automatically converted into embroidery data, allowing staff to load it directly into the machines for smooth and accurate processing. The time once spent on data creation has been greatly reduced, significantly boosting. After implementation, customization expanded from simple name embroidery to illustrations and collaboration designs, monthly orders increased from 500 to 3,000 pairs.



“One of the greatest benefits was being able to consult on everything instantly - from factory integration to in-store operations.”



LACOSTE JAPAN CO., LTD

When launching the online customization service “MY LACOSTE” in Japan, the service scope was further expanded. The number of characters available for embroidery increased, and the range of customization was broadened. While this made production more demanding, it was only possible thanks to Tajima embroidery machines. From online orders to direct data transfer to the machines, everything is handled seamlessly, enabling dozens of embroidery jobs to be processed quickly each day. In addition, since Tajima develops not only machines but also software in-house, it has been a great advantage to consult comprehensively on both factory integration and in-store operations.

