



THE M SERIES
FEATURING MICROSMART TECHNOLOGY



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Great Embroidery Starts With Great Software

Tajima DG/ML By Pulse, the World's number one embroidery software, makes it easy to create spectacular designs to run on the World's number one commercial embroidery machine –Tajima! Plus, the Draw Fusion feature (standard with all levels) allows direct interface with CorelDRAW so you can digitize for embroidery while working in CorelDRAW.

Composer **Lettering** **& Editing**

Unique Features: 200+ embroidery fonts, preview designs on garments, convert TrueType fonts to embroidery fonts, stitch and outline editing, auto-digitizing and much more.

Creator **Lettering, Editing &** **Stitch Creation**

Unique Features: quick draw for shape creation, complex fill with holes tool, automatic appliqué, cross-stitch effects, jagged edge function, automatic emailing of design proofs and much more.

Illustrator **Extreme** **Lettering, Editing &** **Vector-Based Stitch** **Creation**

Unique Features: Import vector files, convert bitmaps to vectors, programmed runs and fills, contour stitches, steel tool, automatic sequencing of complex shapes, design catalog for web and much more.

Maestro **Multimedia** **Lettering, Editing, Vector-** **Based Stitch Creation,** **Automated Features &** **Intricate Stitch Effects**

Unique Features: Librarian design database, automated digitizing art & digitizing functions, auto color blending, font creator, chenille, sequin, fractal fills, wave fills, turning curve stitches, and much more.

Visit www.hirschinternational.com for complete details.

NOTE: Each successive level of software contains all of the features of the previous levels in addition to the unique features specific to it.

60⁺
YEARS
TAJIMA



HIRSCH
The Fabric Of Your Success

Tajima's TUI Assembly Plant - Los Angeles, California

Whether you are new to the industry or an embroidery professional looking to upgrade or expand, the clear undisputed leader in the embroidery business is Tajima. For 60 years we have led the way, providing the most durable, reliable, flexible and capable equipment to meet your business needs.

- Tajima engineers have developed cutting-edge embroidery technology and product innovations that are represented by over 350 international patents
- Unique quality control processes deliver an accuracy rate of 0.001 mm — a quality performance benchmark that is the envy of our industry
- Our product line includes over 250 different machine configurations designed to give you a distinct competitive advantage in the marketplace

- Widely acknowledged as the world's best engineered and best built machine, Tajima's embroidery equipment is exported into more than 100 countries around the globe
- The value of our equipment is unsurpassed as exhibited by Tajima's resale value, which far exceeds any other brand in the industry
- Our productivity cannot be duplicated as witnessed by almost 50,000 embroidery machines currently running and making money for our customers, shift after shift.

Tajima's dedication to deliver technological superiority — through continuous product innovation, unsurpassed quality performance and impeccable craftsmanship — will always be at the core of the company.

We also have, however, an intense focus on each and every customer. Through Hirsch International Corp., our machines are backed by the now-famous 5-Star Commitment. This pledge is an unparalleled commitment to provide the Finest Products, Innovative Breakthroughs, Renowned Expertise, Superior Service and Top-Rated Education — all at levels unmatched by the competition.

With our legendary quality, innovation, productivity, craftsmanship and support, why choose anything else?



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SMART... VERY SMART.

Introducing the world's first embroidery machine that thinks for itself.



Tajima's technological superiority has never been more evident than with our Revolutionary MicroSmart™

Technology... incorporated into our M Series family of computer-controlled embroidery equipment. MicroSmart — a Tajima exclusive — is a groundbreaking proprietary technology that acts as the “brains” of the machine. MicroSmart Technology optimizes microchip integration into the design and operation of the machine and simultaneously executes each task command in the stitch production process — thereby producing

the world's smartest and easiest machine to operate. The new Tajima M Series featuring MicroSmart Technology redefines state-of-the-art. In fact, it is the world's first embroidery machine that thinks for itself.

MicroSmart Technology integrates certain mechanical innovations into the production process giving you the most powerful capabilities available anywhere. The new 32 bit controller runs at 300MHz and utilizes the Windows® CE Operating System. The full color 6.5” Thin Film Transistor (TFT) LCD MicroSmart screen shows the design and location of the needle at any point in the sewing process, X and Y coordinates, machine codes and more.



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Some MicroSmart machine management information is password protected. Standard MicroSmart memory is 2,000,000 stitches and now up to 200 designs can be saved in memory. Data can be transferred via USB and/or LAN connections. Frame Drive is MicroSmart controlled yielding a more precise stitch length and higher quality embroidery. Additionally, the MicroSmart AC Servo pulse motor is a closed system with electronic feedback, mitigating contamination and producing more accurate stitching. The MicroSmart electronics allow for faster frame movement and increased accuracy between stitches.

The MicroSmart electrical system is designed and integrated to fit within the frame itself for easy access and more protection of the components. MicroSmart mechanics include an increase of the needle bar stroke from 45mm to 47mm allowing for smoother

operation and more precise sewing on thicker materials, enhanced cap embroidery due to new upper thread hook and specially-shaped head (for closer sewing to the bill of the cap), and easier transition between cap, tube and cylindrical, thanks to enhancements to Tajima's exclusive Uni-Sash system.

I just ran an order last week on my Tajimas: 144 shirts each with a 15,670 stitch design for a total of 2,256,480 stitches. During the entire run I experienced just 3 actual thread breaks. Divide that by 2,256,480 stitches and I averaged 752,160 stitches between actual breaks. I don't know if any other machine can come close.

*Christopher Sanna
Blue Note Embroidery*

Exclusive Production Features

- Trace Function outlines the design before sewing to ensure proper hoop fit.
- No loss of design information in the event of a power failure.
- Scale designs 200% to 50% and rotate in 1 degree increments.
- Frame Forward/Backward lets you step the frame without stitching.
- Offset Function provides frame movement to preset points for accurate appliqué placement.
- Clean-up Function efficiently adjusts fine stitching with no reduction of quality.



MicroSmart 32 Bit Controller

Full Function Features – Simple Operation

The M Series Color LCD Controller makes it easy to utilize the power of the MicroSmart system. At the core is an intuitive production management system that allows the user to setup and store up to 200 designs and 2,000,000 stitches in folders for easy management. Designs can even be edited, resized and rotated at the machine. User-friendly features, such as auto-rotation of a design when in cap mode, minimize setup errors. Advanced production feedback, such as graphically displayed real-time needle location during sewing, and a sophisticated “job memory” that remembers needle sequence and start points for each design, helps keep production on track and on-time.



Big Features In A Versatile Package

Don't let the size fool you. This versatile fully-automatic 15 needle machine has many of the same great features found on larger Tajima machines. And every detail, every feature, every function is designed to help you:

Make More Money In The Embroidery Business.

NEO-PLUS
T E M X - C

15 Needles / 15 Colors

More threads on the machine, means reduced setup time.

Thread Break Detection

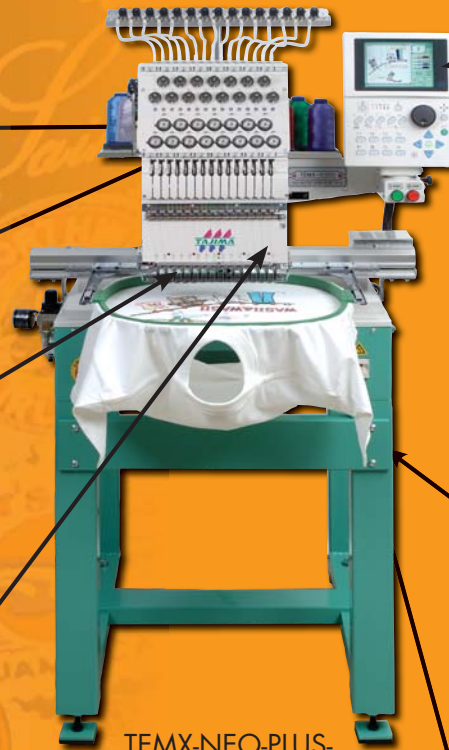
Machine automatically stops if the upper or lower thread breaks, and when bobbin runs out.

Quick Changeover

Easily switch from caps to tubular to flats to cylindrical sewing.

1200 SPM Sewing Speed

More high-quality embroidery produced in less time.



TEMX-NEO-PLUS-
C1501

Auto Thread Trimmers

Upper and lower thread is trimmed automatically during sewing.

Multiple Data Ports

USB and Ethernet



2,000,000 Stitch Memory

Easily store up to 200 designs in the machine memory.

Color LCD Controller

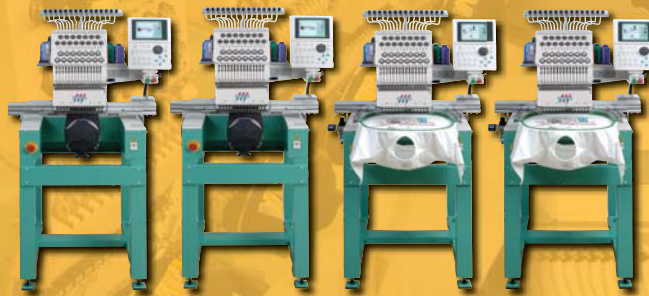
Program jobs easily with just a few keystrokes, call up designs from memory for repeat jobs.

Extra Large Sewing Field

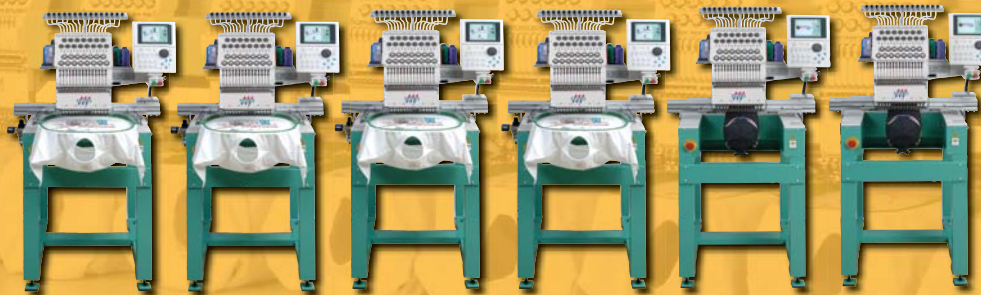
Sewing area of up to 19.5"x14" makes large designs and applique easy.

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TEMX-NEO-PLUS Multi-head Embroidery Machines




TEMX-NEO-PLUS 4-Head Embroidery Machine



TEMX-NEO-PLUS 6-Head Embroidery Machine

THE WORLD'S MOST POWERFUL SINGLE HEAD MACHINE JUST GOT A WHOLE LOT MORE POWERFUL... AND SMARTER.



Tajima's upper thread hook and specially-shaped head allow for larger, more beautiful cap embroidery.

MicroSmart electronics are safely mounted inside the machine

Tajima's unique framing system provides easy and fast – less than 10 seconds – changeover from cap, to flat to tubular sewing

Increased needle bar stroke for smoother operation and precise sewing even on thicker fabrics

MicroSmart 6.5" LCD screen

- Shows x and y coordinates of design
- Displays image of design with location of sewing point at any time

MicroSmart 32 bit Controller Running at 300MHz

- Utilizes Windows® CE Net 4.0
- Standard memory is 2,000,000 stitches
- Stores up to 200 designs
- Data can be transferred via USB and/or LAN

Pulse motor closed system with electronic feedback for more accurate stitching

Frame drive controlled by MicroSmart Technology for the highest quality embroidery

TAJIMA TFMX-C1501/450
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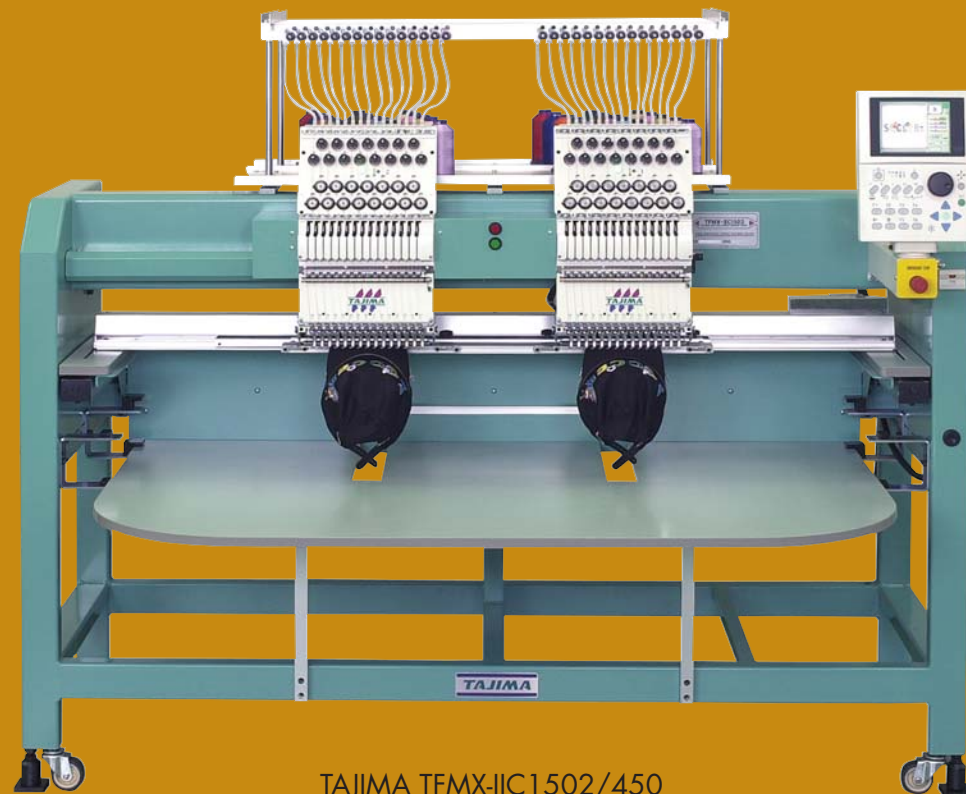


"It can't get much easier than that."

— Deborah Allwin, Girlfrenz Promotion Co.

Received a new TFMX machine Friday afternoon at about 1PM. It was uncrated, already threaded, plugged in and by 4:00 the machine was available for production. It can't get much easier than that. By the way, the new LCD screen is quite nice... and today it's paying its way.

*Deborah Allwin
Girlfrenz Promotion Co.*



TAJIMA TFMX-IIC1502/450
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"Shift after shift, year after year..."

Embroidery productivity based on stitching speed is not relevant. I ran side-by-side comparisons of Tajima and other brands. The Tajima head made color changes five times faster than the competing models. So even though all machine makers claim 1,200 stitches per minute, the Tajima was on the fifth color of a design, while others were sewing color number two. Shift after shift, year after year... Tajimas are just plain better.

*Sharon Horowitz
Red Shirt Embroidery*



TAJIMA TFMX-IIC1504/450
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...Tajimas are just plain better."

Michelle Cassell, Power Teamwear



TAJIMA TFMX-IIC1506/436
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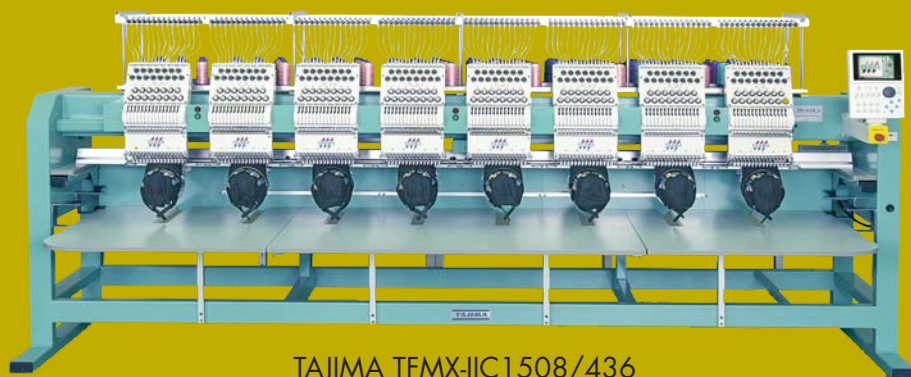
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"I don't know if any other machine can come close."

– Christopher Sanna, Blue Note Embroidery



TAJIMA TFMX-IIC1508/436
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TAJIMA TFMX-IIC1508/450
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SMART FEATURES THAT MAKE THE



Uni-Sash

All M Series 2, 4, 6 and 8 head machines have Tajima's exclusive Uni-Sash, in which paired heads are in sections for easy switch over from cap to cylindrical frame.



Quick Change

All M Series multi-head machines have thumb-screws for easy change from cap to cylindrical to tube operation.



Pinpoint Accuracy

New AC Servo pulse motor closed system utilizes electronic feedback to improve accuracy of sewing, even during high speed operation.

Adjustable Thread Take-up System (pat. Pending)
Improves sewing quality with a variety of threads by utilizing an easily adjustable tension device located close to the needle.



Thread Locking System (pat. Pending)
Prevents thread pull-out during color change, trimming, frame movement and when head is not in use.



Accessible Technology

Most of the major electronics and electrical componentry is now mounted inside of the machine frame for easy access and improved protection.



Advanced Cap Capabilities

Sharp angle at back of needle case, plus Tajima's specially engineered upper thread hook, ensure top quality cap embroidery all the way to the edge of the bill.



Strong Arm

Tajima's ultra strength tubular arms prevent any distortion of embroidery even with small, precise lettering and designs.



Needle Bar

Stroke has been increased from 45mm to 47mm for smoother operation and more precise sewing on thicker fabrics.



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TAJIMA M SERIES THE SMART CHOICE



Automatic Upper / Under Thread Trimming Device

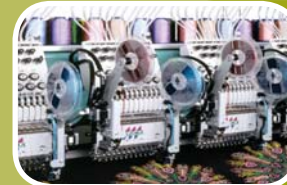
Provides trimming of both upper and lower threads. easy switch over from cap to cylindrical frame.



Take-up Lever Guard

Prevents thread from tangling.

OPTIONS TO EXPAND YOUR CAPABILITIES



High Speed Sequins Device
Attach sequins of multiples sizes and shapes... at 1000 rpm.

Rotary Tension Device (pat. Pending)

Automatically detects and indicates top or bottom thread breakage, immediately stopping machine.



Precision Notched Cylinder Arm Plate

Allows for perfect stitching on caps with no bending, buckling or twisting of the stitches.



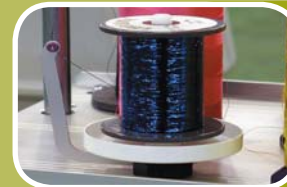
High Speed Cording Device

Looping and cording embroidery can now be easily incorporated into a design.



Lamé Attachment System

Lamé filament can be sewn onto a garment without twisting.



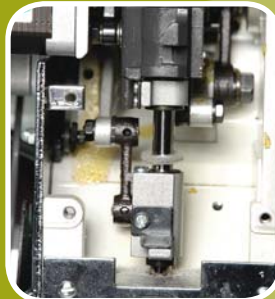
Data Transfer

Send designs and retrieve production information via USB and/or LAN connections.



Advanced Noise Reduction system (Pat.)

Includes a double cam mechanism to reduce movement as well as an electronic dampening system designed to reduce vibration in all areas of the machine.



Border Framer

Allows for full field flat embroidery, sewing on pre-assembled cut goods as well as emblems.



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TAJIMA M SERIES TECHNICAL SPECIFICATIONS

Sewing Space							
Model	Heads	Head Interval	Needles	Tubular	Cap	Min. Door Clearance	Machine Dimensions
TEMX-NEO-PLUS-C1501	1	N/A	15	19 1/2" X 14"	3 1/2" x 14"	32"	2'10" x 2'5" x 2'5"
TFMX-C1501/450	1	N/A	15	17 1/2" X 16 1/2"	3 1/2" x 14"	32"	4'2" x 3'9" x 5'8"
TFMX-IIC1502/450	2	19 1/2"	15	17 1/2" X 16 1/2"	3 1/2" x 14"	32"	6'1" x 3'4" x 5'7"
TFMX-IIC1504/436*	4	14"	15	11" X 17 1/2"	3 1/2" x 14"	32"	7'1" x 3'4" x 5'7"
TFMX-IIC1504/450	4	19 1/2"	15	17 1/2" X 16 1/2"	3 1/2" x 14"	32"	9'3" x 3'4" x 5'7"
TFMX-IIC1506/436	6	14"	15	11" X 17 1/2"	3 1/2" x 14"	32"	9'4" x 3'4" x 5'7"
TFMX-IIC1506/450	6	19 1/2"	15	17 1/2" X 16 1/2"	3 1/2" x 14"	32"	12'10" x 3'4" x 5'7"
TFMX-IIC1508/436	8	14"	15	11" X 17 1/2"	3 1/2" x 14"	32"	12' x 3'4" x 5'7"
TFMX-IIC1508/450	8	19 1/2"	15	17 1/2" X 16 1/2"	3 1/2" x 14"	32"	16'1" x 3'4" x 5'7"
* By special order All measurements are in inches All measurements are rounded down to the nearest 1/4 inch for sewing space and rounded up to the nearest inch for door clearance and overall dimensions.							

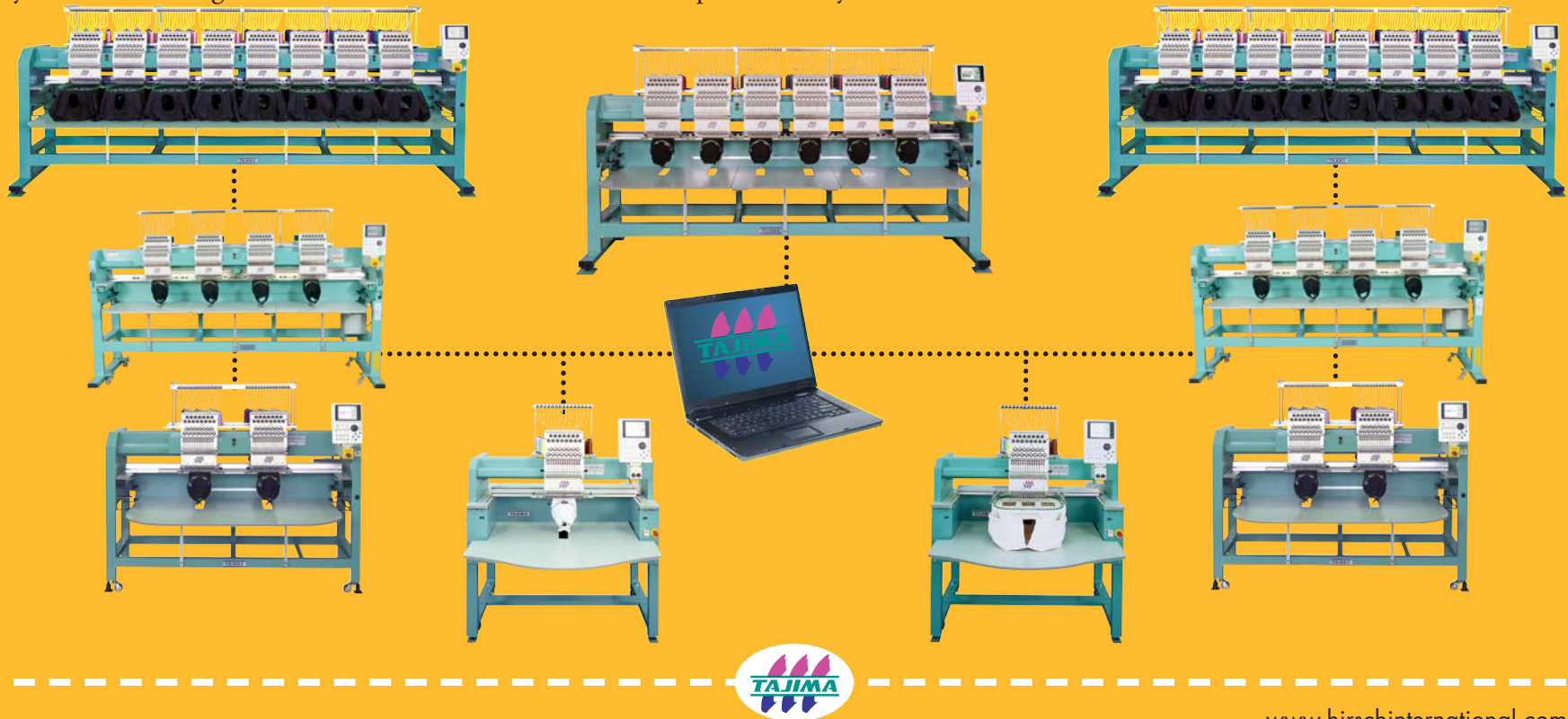


TAJIMA Grows With You!

Using advanced networking technology, you can easily connect together as many Tajima embroidery machines as you wish to create an extremely flexible production system. Sew the same design on all of your machines at the same time or different designs on different machines simultaneously. Plus, valuable production data is constantly gathered for each machine on the network and saved for review and analysis by you.

Wired Or Wireless – You Decide

Unlike most other brands of machinery, Tajima networking is not limited to single-head machines. With Tajima you can interconnect all of your machines, big and small, to create the ultimate modular production system.



Q: How Much More Does it Cost to Own a Tajima?

A: Nothing... In Fact, It **COSTS LESS**
to Own the Best Machine in the Industry.



It's Simple Mathematics:

1) Tajima's Hold Their Value Longer Than Any Other Machine.
At the end of a 5 year lease, a Tajima is worth

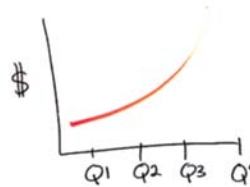
**50% TO 60%
OF THE ORIGINAL PURCHASE PRICE**

compared to 30% or less for all other brands. (Fair Market Value)

2) Because Tajima's are so easy to resell, in many cases lease rates are almost half for a Tajima from the very beginning of your lease. It is much more "liquid" to you... and your leasing company. This is the Basic Formula for Valuing an Embroidery Machine:

**PURCHASE PRICE
+ LEASE INTEREST
- VALUE AT END OF LEASE
OR TRADE IN**

COST OF OWNERSHIP OVER 5 YEARS



For example if a single head Tajima machine costs \$3,000 more than a competitor, based on lower lease rates and higher resale value, over five years the Tajima will cost you

45% LESS
than a competitive machine.

Look at it another way... if a lease for a Tajima single head is \$100 more per month than another brand, based on industry standard factors of stitches per head per hour, it's only

7¢ PER GARMENT

Now on top of this, add in legendary quality, innovation, productivity, craftsmanship and support.

**WHY CHOOSE
ANYTHING ELSE?**





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HIRSCH

Service, Support & Training
Nationwide, Coast-to-Coast

20+ Showrooms • 10 Training Centers
30+ Certified Staff Technicians • 100+ Educational Seminars & Events
7 Days/Week Toll-Free Phone Support

No one else even comes close!

Tajima M Series Power, Performance & Profits

You're Not Just Buying A Machine, You're Investing In Your Business Future!

The combination of Tajima equipment, along with the training, support and service provided by Hirsch make it the clear choice to provide the greatest return on your investment.

Proven Longevity

20,000+ Tajima machines are in operation in the U.S. today.

Highest Resale Value

Tajima machines have the proven lowest rate of depreciation.

Top Quality Workmanship

60+ years of engineering go into every Tajima machine.

Unquestionable Reliability

Tajima machines are proven to have the most consistent stitch quality on the widest variety of goods and the least amount of production downtime.

Unrivalled Support

The largest service, support and training network in the country supports you and your Tajima machine as long as you own it.



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