



EMT16

**20% Faster Than AMAYA XTS!**

## [ About Melco ]

Melco is the only company that engineers and manufactures embroidery machines and software in the United States. Headquartered near Denver, Colorado, we are centrally located for distribution and service of our equipment. Our customers also enjoy a growing network of certified machine technicians throughout the nation.

Your equipment purchase is an important part of the investment you will make as a business owner. Running a successful business means you will need training and support. In many cases, a Melco equipment purchase includes on-site training to get you up and running. Once you've been trained and start taking orders from your customers, questions are bound to come up. We have a technical support team ready to help when you need it via phone, email and our growing social network, MelcoWorld.

Every business owner has a unique financial situation. If leasing or financing equipment is part of your business plan, we are ready to help.

When you choose Melco as your partner for equipment and software, you are getting a partner with well over 40 years of experience developing, engineering and manufacturing equipment for the apparel industry. Since 1972 Melco has been the choice for entrepreneurs in need of embroidery machines.

As you're reading this brochure, please note any questions you may have, and don't hesitate to contact us. Our team is available to help you Monday through Friday, via telephone or email.

Melco technology is protected by – but not limited to – the following patents: Pat. US 4,955,305; Pat. US 5,603,462; Pat. US 5,832,853; Pat. US 6,445,970 B1; Pat. US 6,823,807; Pat. EP 0 666 351 B1; CH 693569 A5; Pat. US 6,736,077 B2; Pat. US 6,732,668 B2; Pat. US 6,729,255; Pat. US D474,785 S; Pat. US 6,871,605; more patents pending.

## [ Melco EMT16 at a Glance ]

### Faster Embroidery

Melco EMT16 is built on the solid foundation of proven Melco technology, with advancements that boost production by 20% over older Melco machines.

### Easy Operation

Melco's patented Acti-Feed™ system revolutionized the embroidery industry many years ago by making embroidery machines easier to learn and use. Melco EMT16 combines that technology with a simplified user interface, so machine operation and training is easier than ever. New machine operators can be trained in as little as 30 minutes.

### Industrial Platform

The machine cart is designed for mobility, strength and functionality. If mobility is part of your business plan, Melco EMT16 will deliver. Sturdy wheels enable you to easily move the machine from one part of your shop to another. If you need to embroider on large, bulky items, the new machine cart was designed with a large open space under the pantograph so that the garment is free to move with the machine.

Read on for more details...





# Melco Means Production

The Acti-Feed™ thread tension system and modular design of Melco embroidery machines deliver a one-two punch that conventional embroidery machines simply cannot compete with. Here are some other great reasons to choose Melco:

**Production times are reduced by as much as 50% with multi-head EMT16 embroidery systems.**

## [ Single-Head Startup ]

One of the most compelling reasons to choose Melco embroidery systems is the modular capability. Head for head, Melco embroidery machines are engineered to produce. That productivity coefficient increases exponentially as you add more heads, leading to compound increases in profit margin.

Many start-ups purchase only one head at first. An entrepreneur can learn embroidery for a minimal up-front investment, and add machines as needed. Here are some other great reasons to make Melco your first machine:

- Melco machines are easy to learn.
- Multiple training options are available, including on-site training and online webinars.
- Excellent customer service via phone and email.
- A two year bumper to bumper warranty comes standard with each machine. Many individual machine components are covered with a five year warranty. Extended warranty programs are available.
- Adding machines in the future is easy.
- Embroidery design software is included with your machine. Choose one of four software options to fit your business.

## [ Modular Multi-Head Production ]

Each Melco EMT16 runs independently on the same network. Imagine producing a job on your multi-head system. Suddenly, there is a thread break on head number two. With Melco EMT16, all other heads will keep running while the thread break is fixed on head two. In contrast, all heads on a conventional system will stop until the problem is fixed.

Here's another scenario. Imagine you're in the middle of a high-volume production run, all of your heads are working to produce a left chest logo on a polo shirt. Suddenly you get an order for 10 hats, and it's a rush job. With EMT16, you can pull a single head from the production run and set it up to produce the hat order *without stopping production on the polo shirts*. This is all done on the same system, using the same computer on a single network.

- Melco EMT16 is designed for commercial, high-output production.
- The modular, mobile system can be configured as needed for your specific situation.
- ROI is achieved in as little as 11 months, based on an average of 5 embroidered garments per day, or about 45 minutes of machine run time per day.





**[ New Feature ]**

Embroidery on large, bulky items is easier than ever with the open design of the new machine cart.

## A New Stance

Left chest logos are bread and butter business for many companies. However, unique requests come in from time to time. With Melco's new open machine cart, you can handle just about any project that comes your way. Here are some examples of what you can do:





# Feature Overview

Melco EMT16 embroidery machines are controlled by a Windows-based computer running the Melco Operating System. In addition to the modular, add-heads-as-needed concept, here are some other great features:

## [ What's New ]

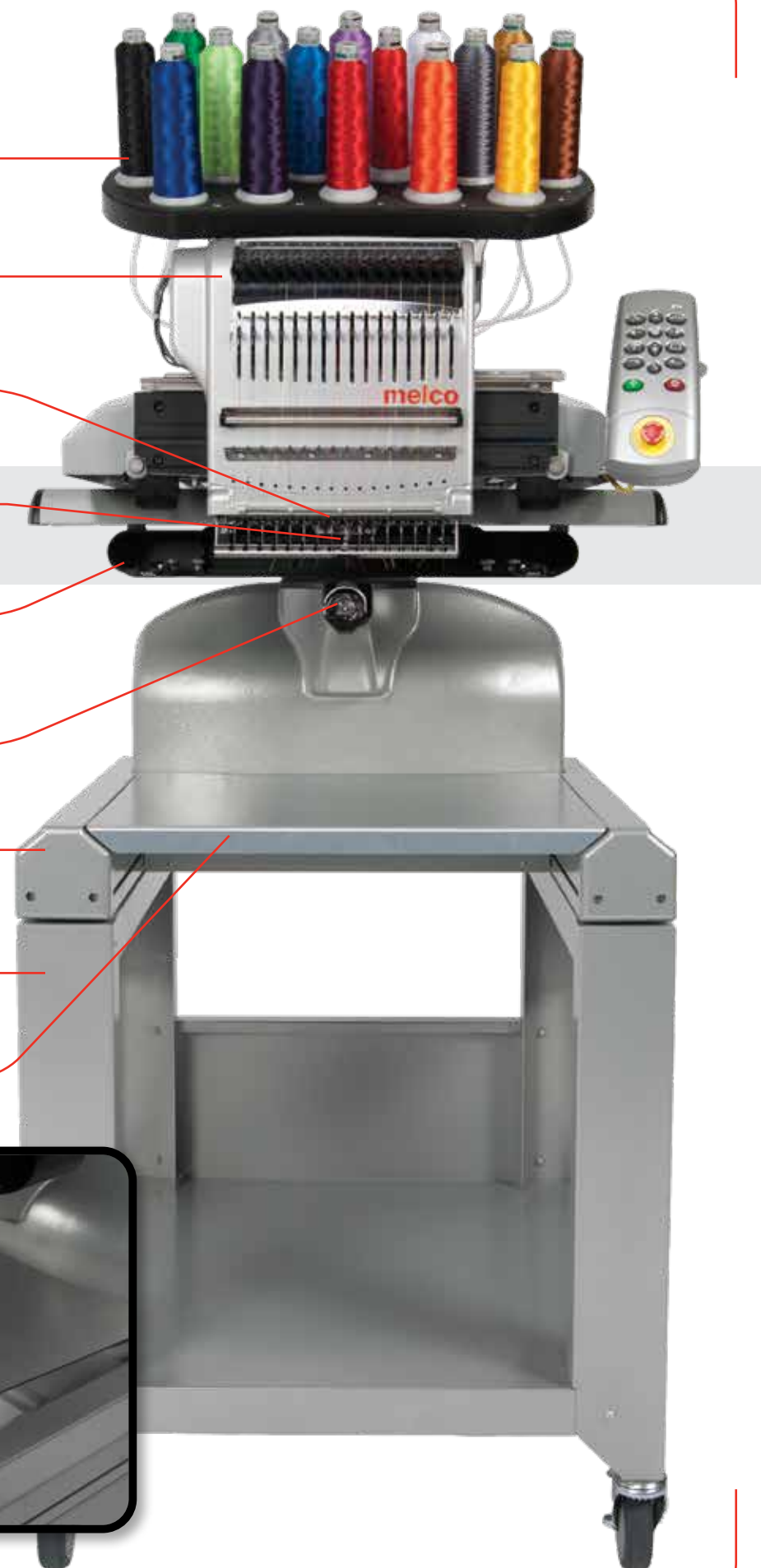
- Improved user interface, easiest machine to learn and operate on the market.
- High performance trimmer and hook, increases sew speeds up to 20% over Melco AMAYA XTS.
- Sturdy machine cart with wheels and removable table top option.



Train new users in as little as 30 minutes.

## [ Standard Features ]

- 16 Needle Embroidery Machine
- Automatic Thread Tension
- Precise Laser Registration
- Adjustable Presser Foot
- High Speed Pantograph (1500 SPM)
- Small Cylindrical Lower Arm for Embroidery on Hats and Pockets
- Sturdy Cart with Wheels
- Modular—Easily Create Your Own Multi-Head System
- Optional Feature— Removable Table Top





# Feature Highlights

Melco EMT16 is developed for business owners that need equipment that is easy to learn, fast & versatile. Here are some notable features on Melco machines:



Small lettering on stretchy moisture wicking performance gear can be a challenge for embroiderers. Melco EMT16 delivers quality embroidery that will keep your customers coming back.

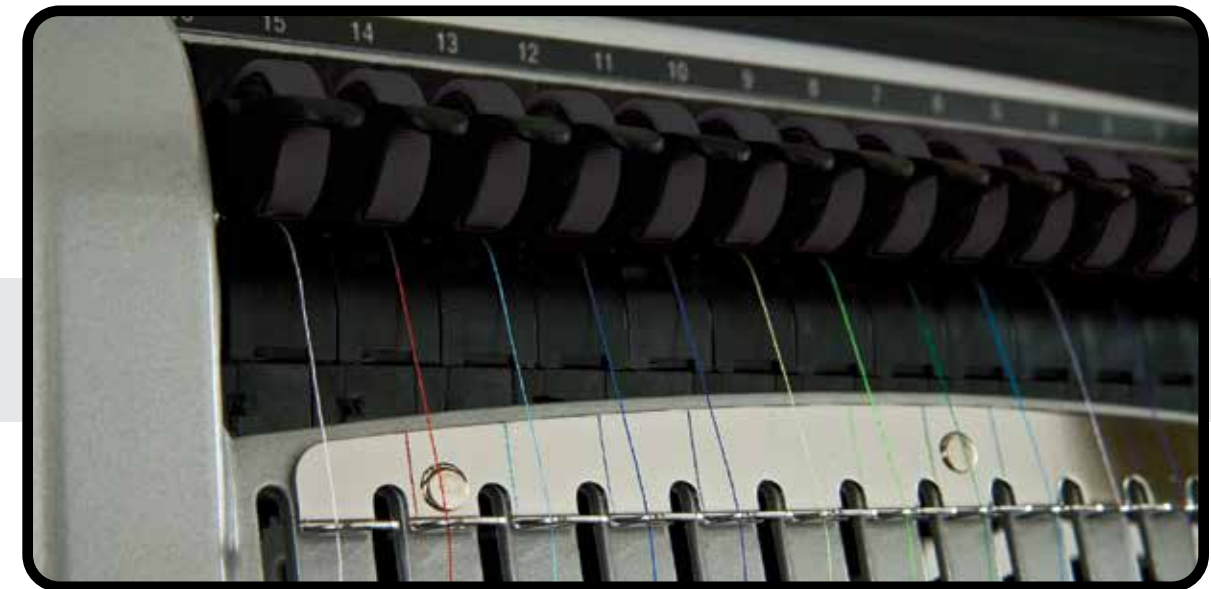
Looking for a machine that can go big? Melco EMT16 has a massive sew field that can handle large jacket backs, hoodies, and many other large garments.

Embroidery on shirt pockets is a nice touch that many people love. We offer two pocket clamps that enable your machine to sew directly onto a pocket, as pictured below.



## [ Acti-Feed™ Thread Tension Technology ]

Embroidery machine thread tension and feed is controlled by Acti-Feed™ computer software, delivering the precise amount of tension and thread by three individual parameters per needle. You'll get faster speeds, fewer thread breaks and consistent quality. This brilliant system enables you to embroider on some fabrics without the use of backing.



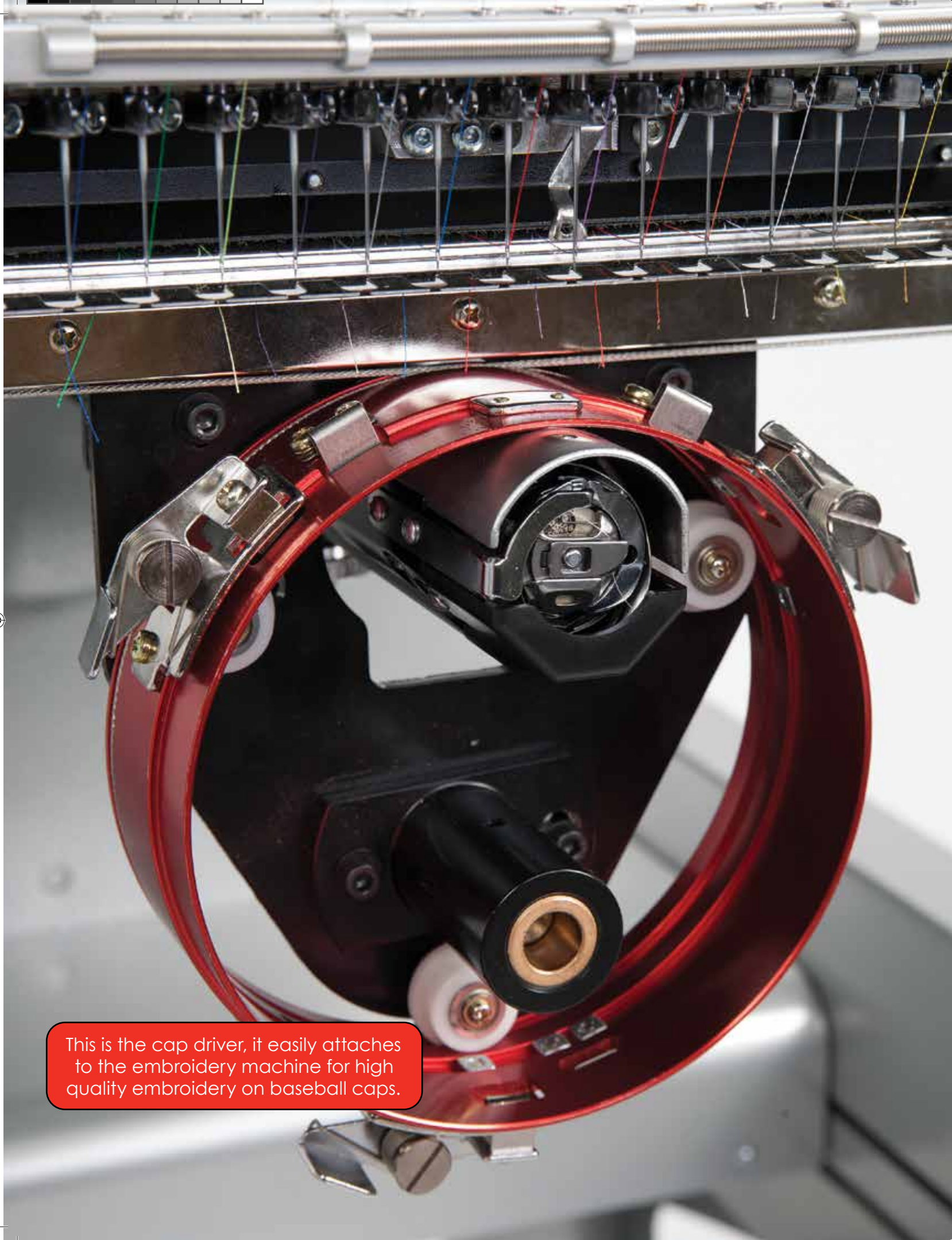
## [ Smallest Cylindrical Lower Arm ]

Consumer needs and ever-changing fashion trends demand that machines stitch an increasing variety of products at high speeds.

The Melco cylindrical lower arm, the smallest in the industry, gives you the ability to embroider the widest range of caps and visors as well as pockets, children's garments and golf club covers at speeds that cannot be achieved with other systems.







This is the cap driver, it easily attaches to the embroidery machine for high quality embroidery on baseball caps.

## Heads-Up Cap Embroidery

In addition to shirts and other commonly embroidered items, Melco EMT16 is engineered for decorating hats. Keep up with the trends your customers love.

- When your customers request that 3D look, Melco embroidery machines will keep you at the top of the game.
- These days, it's common to see designs that cover most of the front panel. Melco EMT16 has a wide 270° sewing field. Deliver what your customers will ask for!
- The popular flat-bill style is pictured here, but rest assured you can embroider a wide variety of cap styles.





# Headed for Production

Melco EMT16 is a modular embroidery system, ready for single or multi-head configurations.

The Melco EMT16 modular system outperforms every other multi-head on the market.

Today's embroidery production demands are diverse. The Melco EMT16 has multi-tasking abilities and network functionality that enables businesses to take full advantage of consumer demand.

Melco EMT16 is versatile, its multi-head configurations can adapt to all production demands. Head for head, there is no comparison. These systems produce work orders not possible on conventional machines. Plus, the independent systems are not affected by single thread breaks like conventional machines, which shut down production of all heads. In addition to the ability to handle large production jobs, the heads can operate independently to fulfill small personalization orders and samples.

## Add Machines as Your Business Grows

Melco multi-head systems stitch independently, so each head can also be configured to handle any job you throw at it. Monogramming, name dropping, samples, or even preventative maintenance per head won't stop the entire production, unlike using a conventional system. Plus, it's all neatly networked by one computer.

# Melco World-Wide

Distribution, certified technicians and training in 135 countries world-wide.

- With distribution to over 135 countries, it's easy to access our world-class equipment, software, service and support.
- State-of-the-art training with every Melco embroidery machine.
- Phone, email, and web conferencing.
- Certified technicians worldwide.
- Single-head business package for the entrepreneur.
- Multi-Head business package for the high-output enterprise.







# The Melco Advantage

We don't need to tell you why Melco is a great partner for any embroidery business. Our customers do the talking.

[ Thread Shed Embroidery ]

My first experience with Melco was in 2002, after a long career in another field. It was suggested to me by a close relative that I should attend a seminar on starting your own business. The possibility of changing careers and starting a new embroidery business was intriguing and frightening at the same time. After attending the seminar, I felt comfortable enough to purchase my first Melco machine.

Melco assisted me in setting up the machine and giving me tips and training, as I began my venture into the field of embroidery. Their training classes in digitizing logos and the operation of the machine are instrumental in the proper operation and job flow procedures. I am not going to lie; the first few years were rough. As with any new, high-tech piece of equipment, the technicians at Melco were helpful when it came to fine-tuning the machine. The progression of my abilities in my new field improved as I went through trial and error periods, but the service technicians were able to walk me through it.

Twelve years later, I now have 4 machines. I have learned to use them with a variety of processes including tackle twill, 3D foam caps, luggage, and backpacks. I know that if I need suggestions on how to run a specific item, I just make a phone call to a Melco technician for assistance.

Thank you, Melco, for helping make my business successful.

Joni



## MelcoWorld

MelcoWorld.com is our own free social network, exclusively for Melco users. Tap the knowledge and experience of 4,000+ Melco customers.

### KEY SPECIFICATIONS

Type/# of Heads	Upper Arm-Lower Arm/1 to 30 Modular
# Needles	16
Maximum Tubular Frame Size (XxY)	19.7"x 16.9" (500mm x 430mm)
Maximum Sew Field/Tubular Frame (XxY)	15.7"x16.1" (400mm x 410mm)
WA Cap Frame	14.1" x 3.25" (360mm x 82mm)
Conventional Cap Frame	5.9"x 2.75" (152mm x 70mm)
Min/Max Sew Speed Flats	300-1500 stitches per minute
Min/Max Sew Speed Caps	300-1200 stitches per minute
Stitch Length Range	Dependant on Hoop Size
User Interface	Melco OS
Machine Configuration	Up to 30 individual machines, connected by Ethernet
Self-Diagnostics Capability	Retrieves relevant machine data for troubleshooting
Design Memory	Dependant on hard drive, Max file size 500k
Pre-Sew Trace	Laser
Needle to Garment, Garment to Hoop Position	Laser Positioning System
Thread Feed Technology	Patented Acti-Feed™
Thread Break Detection	Upper & Lower Electronic Force Gauge Sensor
Automatic Stitch Backup	Yes
Automatic Trimmer	Yes
Lighting Type Cold Bright	Cold bright LED
Power Supply (V)	90-260V (Single Phase, 50/60 HZ, 4A), Class I (Grounded)
Power Consumption (W)	Typical: 200 Watts Max: 650 Watts
Temperature Range	15-40° C
Humidity	Max 85% Relative Humidity
Installation Category (over-voltage)	II
Pollution Degree	2
Motor Type(s)	Servo, Stepping
Motor Capacity (kV)	X and Z: 100 Watts Y: 250 Watts
Machine Construction Material	Aluminum

### PHYSICAL SPECIFICATIONS

<b>With Cart</b>	
Width	28.5" (724mm)
Height	65.7" (1669mm -3mm) damper compression
Depth	30.7" (779mm) front caster w/ brake extended
Weight	210.5 lbs (95.5kg)
<b>Without Cart</b>	
Width	28.5" (724mm)
Height	37.48" (952mm) (-3mm damper compression, thread tubes 70mm extended)
Depth	29.2" (741mm)
Weight	164.5lbs (74.6kg)

**melco**

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#### Customer Feature: Sportline Team Sports

Sportline Team Sports specializes in sportswear and equipment for schools, leagues, youth groups and local recreation centers. Based in Arvada, Colorado, Sportline has been in business for about 35 years.

Fred and Anna Jacobsen own and operate Sportline from a beautiful retail and production facility. Their location is easy to find and a convenient place for athletes, parents, coaches and others to shop and place team orders.

In the beginning, this husband and wife team started by hand-embroidering people's names on jackets and shirts. The process of writing names and then embroidering over them took an incredible amount of time, dedication and attention to detail. As demand for their embroidered products increased, the need for a commercial machine became apparent. Rather than outsourcing embroidery, they chose to keep it in-house, so they could "maintain the high quality standards and fast turnaround that our customers had come to expect", says Anna.

After some time researching embroidery equipment, they invested in their first Melco embroidery machine, and have been loyal to the Melco brand ever since. For Anna and Fred, excellent sew quality and ease of operation are key features that helped them choose Melco over other brands.

Over time, embroidery technology advanced and eventually Melco introduced the AMAYA embroidery machine, forever changing the industry. The Acti-Feed™ thread system, an exclusive AMAYA feature, enabled businesses to provide embroidery on a wider variety of products with higher quality than ever before. As a bonus, Acti-Feed™ makes operating an embroidery machine much easier when compared to conventional systems. For all these reasons and more, Fred and Anna added several Melco machines to their production facility, where they are still in operation today. The modularity of Melco systems enables them to do rush or last-minute jobs without interrupting other orders already in production.

Melco provides training and service on all equipment they sell. According to Anna, "Reliable service and training, plus Melco's convenient location in Denver, Colorado were other key reasons we chose Melco. We have developed a great relationship with them, and appreciate all they have done to help us operate a successful business."

They also love the convenience of online shopping for parts, accessories and other items on [ShopMelco.com](http://ShopMelco.com).

Sportline is an amazing testimony of how a company can grow from a small shop to a successful business. According to Fred, "Seeing people and teams wearing the items we produce is a great source of pride for us. We enjoy seeing kids in schools throughout the community wearing our uniforms."

Growing from humble beginnings to a well-known supplier of high quality embroidered goods for dozens of schools and athletic organizations all over Colorado is a great achievement. Melco is proud to be the brand of choice for embroidery equipment and software for Sportline Team Sports.



