



melco

EMT16X

**16 NEEDLE COMMERCIAL EMBROIDERY MACHINE
WITH INDUSTRY LEADING SPEED, FEATURES AND FLEXIBILITY**



16 Needles and Infinite Possibilities

Don't let your machine limit your embroidery business potential. With the Melco EMT16X you have powerful tools at your disposal that allow you to take on jobs that others might have to turn away. Whether you're stitching different projects simultaneously in a multi-

head configuration, tackling tricky-to-hoop projects with a narrow lower arm and Fast Clamp Pro, or flying through stitches at a blistering speed, you can be confident you'll be delivering the highest quality products in the shortest amount of time, making both your customers and your bottom line happy. Enter the 21st century world of the EMT16X and be amazed at what this American engineered marvel can do for your embroidery business.



Hardware / Easy Mode

SMALL ROUNDED LOWER ARM

Our lower arm is rounded and extra narrow, allowing you to easily embroider items that other brands struggle to fit. Plus, the self-sharpening carbide cutter will ensure years of trouble-free operation.



ACTI-FEED™ AUTOMATIC TENSIONING SYSTEM

Automate your work flow with our patented Acti-Feed™ thread tensioning system that provides simplified operation, reduced thread breaks, and consistent results with speeds of up to 1500 s.p.m.



POWERFUL COMPUTER BASED INTERFACE

Take complete control with an intuitive computer based interface that enables more options and a larger screen. This future-proof design also allows you to upgrade your interface for increased speed and enhanced features.

One Size Fits You

The true modular nature of the EMT16X enables you to seamlessly add embroidery heads as your business grows. A single computer can control up to 30, individually addressable, EMT16X machines, giving you unparalleled efficiency and flexibility—stitch the same project across your entire setup or a different project on each machine. Additionally, if any one machine needs to stop, the rest will keep stitching, saving you precious time and money.



Stand Out Features For Outstanding Performance

16 COLORS

Commercial production with ultimate color flexibility

ACTI-FEED™

Automatic tensioning trouble-free operation at up to 1500 s.p.m.

LOWER ARM

Narrow design for small projects and easy positioning

LASER REGISTRATION

Precisely position your project prior to stitching with a projected laser

BOBBIN

Easy access for quick changes and 6mm tails ensure less manual cleanup

THREAD TUBES

Extended tubes and stabilizers provide smooth thread delivery

CONTROL PAD

Quick and easy access to common functions

HOOP ARMS

Ultra-rigid arms mean clean, uniform stitches

NETWORKING

Link up to 30 machines together for ultimate flexibility

WHEELED CART

Stability combined with easy relocation

Accessorize Your Productivity

From caps and koozies to backpacks and jacket backs, with the professional accessories available for the EMT16X, there's a way to embroider it perfectly.

CAP DRIVER

The included cap driver and frame kit will have you stitching high-quality embroidery on hats in no time. The sturdy, wide angle frame boasts a 270° sew field and a maximum height of 3.25".

XL HOOP

Take advantage of the EMT16X's huge sew field with the XL Hoop. A sturdy composite construction means your full jacket backs will be stitched without worrying about warping or flexing.

FAST CLAMP PRO

Effortlessly stitch on narrow or oddly shaped projects like dog collars and backpacks with this easily adjustable accessory.





Get the most out of your EMT16X machine with the included DesignShop v11 software. This world-class embroidery application empowers you with professional-level digitizing features while maintaining consumer-tuned accessibility. With intuitive automation features like Design Checker and Graphic Conversion Assistant*, you can explore a whole new world of customization all while ensuring beautiful and trouble-free stitching.

Melco EMT16X Specifications



With Cart

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)

Without Cart

Width	28.5" (724mm)
Height	37.48" (952mm) (-3mm damper compression, thread tubes 70mm extended)
Depth	29.2" (741mm)
Weight	164.5lbs (74.6kg)

Number of Needles	16
Maximum Tubular Frame Size (XxY)	19.7" x 16.9" (500mm x 430mm)
Maximum Sew Field/Tubular Frame (XxY)	15.7" x 16.1" (400mm x 410mm)
Wide Angle 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
User Interface	Melco Operating System (MOS)
Machine Configuration	Up to 30 individual machines, connected by Ethernet
Self-Diagnostics Capability	Retrieves relevant machine data for troubleshooting
Design Memory	Dependent 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
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



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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.