

EMC 10/12 = Multi-head efficiency



Melco's EMC 10/12 has been designed and manufactured to meet the top priorities of multi-head embroiderers. We have researched and developed features that make EMC 10/12 a perfect mix of advanced capability and reliable functionality.

EMC 10/12 is easy to use, so you will spend less time training, setting up and changing over between jobs. You'll have more time to create great embroidery on flat goods, caps

and tubular items. EMC 10/12 embroiders at speeds up to 1000 stitches per minute, giving you maximum productivity.

EMC 10/12 also provides the advanced features you need to stay competitive and efficient. Our EDS III software gives you complete control of all embroidery projects with full editing, lettering, job stacking, and color preview features.

Time Information (on MW 5.5)	
Sewing Time	2:40:02
From Time	2:02:33
Run Time	2:42:36



EDS III software gives you nine specially designed screens to track production statistics, such as shift and operator information, pieces produced, and time per job.

Melco's unique tubular thread guide system eliminates bulky tangled overhead guides and makes set-up easier than ever.

EMC 10/12 features Melco 10-needle embroidery heads, giving you automatic 10 color capability. Automatic trimmers trim thread between colors, shapes and letters.

Embroider caps with Melco's cap frame options. A wide-angle version is available that enables you to embroider up to 270° around.



Melco Machine Features & Capacities	Type / # of Heads	Frame Size	Flat Goods / Caps / Wide-Angle	Tubular Goods	Optional Border / Seam	# Needles / Colors per Sewing Head	Automatic Trimmers	Removable / Drop Tabletop	Disk Drive	Machine Base	Built-in Lighting	Bobbin Winder	Threadbreak Detector & Automatic Backup	Memory: # Designs	Maximum Speed on Flat Goods / Reg. Caps	Networking / Capacity	Automatic Pre-Sewing Trace	Warranty	Training Included (Software)	Noise Level	On-Site Installation
EMC 10/12	Embri. 12 hd	14" x 11.8" 36cm x 29cm	5" x 2.7" 12.7cm x 6.8cm 14.25" x 2.7" 36cm x 6.8cm	14" x 11.8" 36cm x 29cm	Yes 189" x 11.8" 480cm x 30cm	10 per head	Yes	Built-in Stridid	Steel	Yes	No	Yes	16 Designs, 250K stitches	1000	Opt. Ethernet up to 128 units	Yes	Parts & Labor 1 year	Yes @ Melco site	75db @ 750rpm	Yes	
EMT 104T	Embri. 4 hd	16" x 11" 40cm x 28cm	5" x 2.7" 12.7cm x 6.8cm 14.25" x 2.7" 36cm x 6.8cm	16" x 11" 40cm x 28cm	Yes 79" x 12" 200cm x 30cm	10 per head	Yes Non-trimmer machine available	Built-in Stridid	Steel	Yes	Opt.	Yes	16 Designs, 250K stitches	1000	Opt. Ethernet up to 128 units	Yes	Parts & Labor 1 year	Yes @ Melco site	84db @ 850rpm	Yes	
EMT 10T	Embri. 1 hd	17.3" x 11.8" 44cm x 30cm	5" x 2.7" 12.7cm x 6.8cm 14.25" x 2.7" 36cm x 6.8cm	17.3" x 11.8" 44cm x 30cm	Yes 21" x 11.8" 53cm x 30cm	10	Yes	Built-in Stridid	Steel Cart Opt.	Yes	Opt.	Yes	16 Designs, 250K stitches	1000	Opt. Ethernet up to 128 units	Yes	Parts & Labor 1 year	Yes @ Melco site	75db @ 800rpm	No	
EMC 1	Embri. 1 hd	16" x 11" 40cm x 28cm	5" x 2.7" 12.7cm x 6.8cm	N/A	N/A	1	No	Opt.	Cabinet Opt.	No	No	Yes	16 Designs, 250K stitches	1000	Yes 64 units*	Yes	Parts & Labor 1 year	Yes @ Melco site		No	
CH1	Chen. 1 hd	17" x 12" 43cm x 30cm	N/A	N/A	N/A	1	No	Opt.	CH1 Cabinet	No	N/A	Yes	16 Designs, 250K stitches	750	Yes 64 units*	Yes	Parts & Labor 1 year	Yes @ Melco site		No	
EP1	Embri. 1 hd	9.5" x 5.5" 24cm x 14cm	N/A	N/A	N/A	1	No	No	Tabletop	Yes	Yes	Yes	16 Designs	600	Yes 4-64 units**	Yes	Parts & Labor 1 year	No		No	

*Using Starlin networking connections, connect up to 64 machines to a single computer with EDS III software. **Up to 4 EP1 machines can be networked with the Melco Premier controller. Using Melco's EDS EZ software (with compatible computer), up to 64 EP1 machines can be managed.

Machine Dimensions & Weights	Width	Height	Depth	Weight	Shipping Weight	Power Required
EMC 10/12	18' 10"	60.3"	47.5"	3,740 lbs	4,224 lbs	220V±10% to 240V±10% single phase / 50/60Hz
EMT 104T	96"	62"	42.5" 108cm (w/ tabletop)	750 lbs	770 lbs	110V or 220V (switchable)
EMT 10T	45"	36" (w/ stand) 28" (flat)	35" 88cm (w/ tabletop)	215 lbs	300 lbs (optional base, 95lb)	110V / 220V model available
EMC 1	30"	27"	30"	100 lbs	150 lbs	110V or 220V (switchable)
CH1	30"	20" / 50cm; 52" / 132cm (w/ cabinet)	30"	250 lbs (w/ cabinet)	300 lbs (w/ cabinet)	110V or 220V (switchable)
EP1	18"	14"	20.5"	58 lbs	68 lbs	110V / 220V model available

Melco's EMC 10/12 Twelve-head Embroidery System



EMC 10/12 Quality Points



Embroider flats, caps, and tubular goods. Change easily from one to another. EMC10/12's drop table is lowered with a centrally located handle.

In creating EMC 10/12, Melco engineers and developers looked closely at features multi-head users value most. We call them "Quality Points." They encompass all aspects of machine design—from frame

layout, to sewing speed, to the size and shape of control buttons. We incorporated these Quality Points in EMC 10/12 to give you top performance every day, on every job.

1 Each EMC 10/12 features a built-in computer, monitor and keyboard with EDS III software. EDS III is Windows™ based, so it's easy to use, yet it gives you the most advanced embroidery functions available. EDS III also enables you to connect a Melco digitizing tablet to the system.

Our Control Panel interface enables users to control

2 Up to 64 EMC 10/12 machines can be networked to a single external EDS III system, giving you remarkable expansion potential.

3 Easy-to-reach control buttons give you access at any time.

embroidery with a few easy-to-use windows, minimizing errors and maximizing productivity.

4 Twelve precision Melco embroidery heads give you quality embroidery at sewing speeds up to 1000 stitches per minute.

5 Automatic thread break detectors stop the machine and light an indicator whenever a thread breaks.

Three emergency stop buttons provide maximum safety.

6 Automatic thread trimmers save you time and effort. Trimmers can be switched off.

7 EMC 10/12 has built-in lighting to make operation easier and safer.

8 Sturdy steel frame keeps vibration to a minimum, giving you top quality embroidery every time.

EDS III software...

Melco's EDS III embroidery software is included with every EMC 10/12. EDS III is Microsoft® Windows™ based, enabling you to control all embroidery functions with simple point-and-click operation. You will find EDS III is easy to learn and use.

When a design is to be embroidered, all information is prepared and verified at the computer, then sent to the EMC 10/12 embroidery machine. You can display, edit and combine designs, create custom lettering, and manage the flow of work with EDS III embroidery software. In addition, EDS III enables you to store all of your designs at the computer. Designs may also be received from another EDS III system.

EDS III for EMC 10/12 comes with Melco's Control Panel interface, a series of screens enabling users to choose designs and control embroidery faster and more efficiently than ever.

Key Features:

- Combine multiple designs and lettering on-screen and position manually (with mouse) or by numerical coordinates
- Simultaneously display different designs in separate windows; move elements between windows
- Rotate designs and lettering by single degree increments
- Step and repeat
- Transform Objects feature allows you to distort objects and lettering. Includes:
 - Vertical Arc Lettering
 - Bridge Lettering
 - Vertical Arc Stretching
 - Vertical Bulging and Squeezing
- Embroider lettering at an angle or in an arc (U.S. Patent 4,352,334)
- Lettering blocks are represented as separate objects and can be changed even after combined with designs or other lettering
- Add trims and color changes between objects
- Specify embroidering sequence for design elements

- Includes fifteen alphabets; over 100 additional alphabets are available
- Edit stitches manually (with mouse) or through the on-screen stitch list
- Optional Design Database records, stores and manages library of designs
- Point and Block editing
- Move design segments between different designs
- Layer by color
- Auto retrace
- Pattern Fill allows you to incorporate a created or stored repeating pattern in the fill
- Graphically select blocks of stitches to copy, move, rotate, scale or delete
- Movable toolbar and automatic stitchlist
- Access help information on system functions with a single keystroke
- Preferences dialog box enables you to store design files by name or by design icon
- Add reference notes to OFM files
- Supports Wilcom Direct Connect interface
- User control interface provides password security protection for user, supervisor, and maintenance levels
- EDS III calculates machine and operator statistics for review at any time. Includes thread break, needle and head performance, and time running statistics

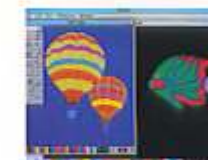


Melco's Control Panel interface

EDS III in action...



A design is selected from the computer's hard disk and displayed in color.



With EDS III, you can display multiple designs at one time in the same or separate windows.



Lettering is added to the design on-screen. You can also move designs and lettering from window to window with the "clipboard" feature.



Lettering and designs can be repositioned with your mouse and resized and rotated using the "Parameters" pop-up window.



The combined design is saved



...and embroidered.