melco
SUMMIT

16 NEEDLE COMMERCIAL EMBROIDERY MACHINE

REACH THE SUMMIT

Just like the majestic Rocky Mountains near Melco headquarters in Westminster, Colorado, the exciting opportunity of succeeding in the embroidery business calls for daring adventurers to reach new peaks. Much like mountain climbing, entrepreneurship demands specialized tools that ensure top-tier performance and dependable results. **With enhanced performance, streamlined operation, and an advanced touch interface, we've elevated our renowned embroidery equipment to new levels.**

Embroidery excellence awaits—are you ready to rise to the challenge?

⛰ PEAK PERFORMANCE

1500 Stitches Per Minute / Super-fast Color Change Motor / Durable Commercial Construction / 16 Needles

At 1500 stitches per minute, **Melco SUMMIT is one of the fastest stitching commercial embroidery machines available**. However, we know commercial embroidery performance is more than just stitch speed. SUMMIT's high-performance color change motor dramatically cuts down on stitch time for complex, multi-colored designs. A rigid, all-metal frame reduces unwanted flex and vibration to ensure consistent, precise stitching that is critical to commercial embroidery success.

⛰ ELEVATED EASE-OF-USE

Touch Interface / Acti-Feed™ Thread Tensioning / Intuitive Operating System / Built-in Barcode Scanner / Automatic Thread Sequencing / Advanced Laser Alignment

With a highly intuitive touch interface and an automated project workflow, **Melco SUMMIT is the most user-friendly commercial embroidery machine on the market**. Quickly load designs and design settings with the built-in barcode scanner and easily ensure accuracy with laser alignment and design tracing. From automatic color sequencing and thread tree populating to automatic thread tensioning with Acti-Feed™, every step in the embroidery process has been streamlined to maximize your productivity.

▲ FEATURES AT-A-GLANCE

16 Needles More needles allows for more flexibility and less hassle when stitching designs with many different colors. You can also load multiple spools of the same color and SUMMIT will automatically switch to backup spools for longer runtime.

Fast Color Change Motor SUMMIT is equipped with our fast color change motor, dramatically speeding up embroidery on multi-colored designs.

10.1" Full HD Touch Screen An easy to use, yet powerful interface gives you the control you want and all the information you need at-a-glance.

Maintenance Reminders Get automatic maintenance reminders and step-by-step, on-screen guides to ensure your machine is operating at its peak.

Barcode Scanner Use the built in barcode scanner to quickly load designs and design settings using OFM files from barcoded design sheets as well as quickly load hoop settings by scanning supported hoops.

Acti-Feed™ Automatic thread tensioning means less time tweaking tension knobs, more time producing, and more consistent results.

Small Lower Arm The small, rounded arm makes embroidering in small areas like pockets and sleeves a breeze and the self-sharpening carbide cutter will operate trouble free for years.

Laser Alignment Take the guess work out of design placement and avoid costly mistakes with easy-to-use laser alignment and registration. Walk through designs step-by-step with speed controlled design tracing to get exact stitch placement and avoid hoop interference.

Steel Rolling Cart This sturdy work platform features all metal construction and large, locking industrial casters for easy maneuverability.

▲ MAJESTIC VIEWS

10.1" Touch Screen / Full HD Resolution / Ultra-Responsive

SUMMIT's large touchscreen gives you all the control you need, right at your fingertips. An intuitive OS, vivid colors, sharp detail, and a responsive capacitive touch controller, makes interacting with SUMMIT a true pleasure. The large display also allows you to monitor design progress and machine status from a distance and makes on-screen maintenance guides easy to follow.

MELCO'S INTELLIGENT COMMERCIAL EMBROIDERY SYSTEM

Intelligent Software

Melco's software solutions streamline the embroidery design process, **automating tasks in digitizing, mass customization, and on-demand** e-commerce embroidery.
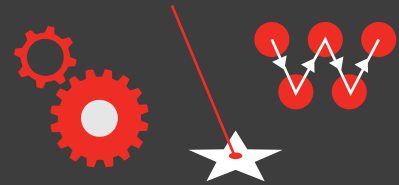
DESIGN/SHOP
12 by melco

Fusion by melco

EFS Enterprise Fulfillment Solution

Intelligent File Management

.OFM

Melco design software generates barcoded embroidery files using our proprietary OFM format, which combines vector design details, design information, and machine settings into a single, streamlined file. Simply scan the barcode on the design sheet and the network-stored OFM file and its associated settings are directly loaded onto your machine, enhancing production efficiency and minimizing operator errors.

Intelligent Machines

Along with OFM compatibility and barcode reading capabilities, Melco embroidery machines are full of intelligent features targeted at commercial embroidery performance. **Laser alignment, automatic color sequencing, and Acti-Feed™ thread tensioning** simplify tedious parts of embroidery and speed up production time.

Melco SUMMIT Specifications

With Cart	
Width	28.5" (724mm)
Height	64.7" (1643mm -3mm damper compression, thread tubes 60mm extended)
Depth	30.7" (779mm) front caster w/ brake extended
Weight	210.5 lbs (95.5kg)
Without Cart	
Width	28.5" (724mm)
Height	35.8" (909mm -3mm damper compression, thread tubes 60mm 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)	16.1" x 15.5" (410mm x 393mm)
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
Design Memory	4GB internal + unlimited via network connected drive. Max file size 500kB
Pre-Sew Trace	Optical Laser Positioning System
Needle to Garment, Garment to Hoop Position	Optical 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
Machine Construction Material	Aluminum

*Max sew field may be garment dependent.