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The Melco Summit – Maximum Flexibility and Productivity Specifically for Small Series

The Melco Summit revolutionizes your workflow with many intelligent features. Through a smart workflow, it is specifically designed for your embroidery. An automatic color assignment, frame selection, and thread tension ensure that working with the Summit is effortless and efficient.

Easy Operation

Experience cutting-edge technology – Our intuitive 10.1-inch HD touchscreen simplifies both preparation and operation, allowing you to set up your design, position it perfectly, choose colors, and monitor the status of your embroidery process.

Colorize embroidery design

With the visualization on the 10.1-inch screen, coloring your embroidery design becomes a breeze. You can see directly on the screen which part of the design you are coloring and assign the exact manufacturer color you want to use.

Precise placement made easy

Positioning is child's play with laser alignment and tracing. In addition, you can choose from over 125 frames and display the position on the screen to match the physical frame. Placing designs has never been easier, reducing setup time and ensuring precise results with every project.

Select embroidery hoops using barcode reader

Melco is the only manufacturer to offer 125 embroidery frames that are stored on the embroidery machine to ensure you don't accidentally stitch into the frame. With the Summit, you can conveniently select the embroidery frame via the barcode reader, saving time and reducing errors.

to the
Product video

Automatic thread tension through Acti-Feed

Our patented Acti-Feed technology, used in both the Summit and the EMT16X, significantly simplifies the embroidery process as the thread tension no longer needs to be adjusted manually. This value can be directly stored in the embroidery file, allowing for precise reproduction of each order and thus ensuring consistently perfect quality.

Laser Positioning

With laser positioning, you can position your design on textiles with millimeter precision without having to hoop it exactly. Additionally, you have the option to combine embroidery with other finishing techniques such as printing or laser engraving. On the touchscreen, you receive precise instructions that guide you step by step on how to proceed. This way, you can design your textiles according to your preferences – easily, quickly, and professionally.

1500 stitches per minute

Increase your productivity with a stitching speed of up to 1500 stitches per minute. These impressive stitching speeds are made possible by our modular system and active thread delivery (Acti-Feed).

Integrated Barcode Reader (Hot Folder)

The integrated barcode system increases your production efficiency and minimizes errors by significantly simplifying the frame selection and loading of designs. The embroidery information is directly transferred to your machine, enabling smooth and error-free operation. As a customer, you also benefit from the flexibility to load the embroidery file either from a network folder or directly locally from the machine.

Find more features of the Melco Summit at melco.com/en-gb/melco-summit

From software to machine – Embroidery made easy with our intelligent embroidery system

EFS   →   OFM   →

Melcos Software Solutions optimize and automate your embroidery design process. Depending on your needs, we recommend you
· Melco EFS
· Melco Fusion
· Melco Designshop

The company's own OFM format is generated by our software solutions. These files contain information about the design, e.g., the original embroidery threads and machine settings such as hoop size and Acti-Feed (thread tension).

Our Melco embroidery machines are equipped with many intelligent features that are tailored to the demands of commercial embroidery, making embroidery as easy as possible for you.

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Technical Data

Needles	16
Tension	Automatic Thread Tension with Acti-Feed
Max. Sew Speed – Flat	1500 SPM
Max. Sew Speed – Caps	1200 SPM
Max. Sew Field	41 cm x 39.3 cm
Max. Cap Sew Field	36 cm x 8.1 cm
Machine base	Aluminum
Modular Multi-Head System	No, but Hot folder
Laser Alignment	Needle Positions / Trace Design / Alignment
Interface	Built-in HD touchscreen
Load Design with Barcode	Built-in QR Code Scanner
Design Storage	4 GB internal / Unlimited in Hot Folder
Adjustable Presser Foot	Yes
Automatic Thread Triming	Yes
Internet connection	WiFi or LAN
File format support	EXP (with Color INI), DST, ARTX (Toolbox) and Melco OFM 9 and newer (with machine settings and wireframe design information)
Design Positioning	Position, Rotate, Mirror
Color Assignment	Auto color assignment with 60+ Built-in Thread Databases
Available Hoops	All
Maintenance	Maintenance timer with step-by-step instructions

You can find a detailed comparison of our machines at melco.com/en-gb/comparison-of-embroidery-machines