

melco

The Melco Summit –
Maximum flexibility and
productivity from single
orders to mass production.



The Melco Summit revolutionizes your workflow with many intelligent features. Through a smart workflow, it is specifically designed for your embroidery business. An automatic color assignment, hoop 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, colorizing your embroidery design becomes a breeze. On the screen you can instantly see which part of the design you are colorizing and assign the exact 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 hoops 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.

Design queue

The Melco Summit offers a design queue. Designs can easily be added here, organized by stitch order, and scheduled multiple times if needed. This way, you always keep an overview of your production processes.

Automatic thread tension with Acti-Feed

Our patented Acti-Feed technology significantly simplifies the embroidery process, as thread tension no longer needs to be adjusted manually. This value can be saved directly in the embroidery file, enabling precise reproduction of each job and thus ensuring consistently perfect quality.

Laser Alignment

With laser alignment, 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 decorating techniques such as printing or laser engraving. On the touchscreen, you receive precise instructions that guide through the alignment step by step. This way, you can design your textiles according to your preferences – easily, quickly, and professionally.

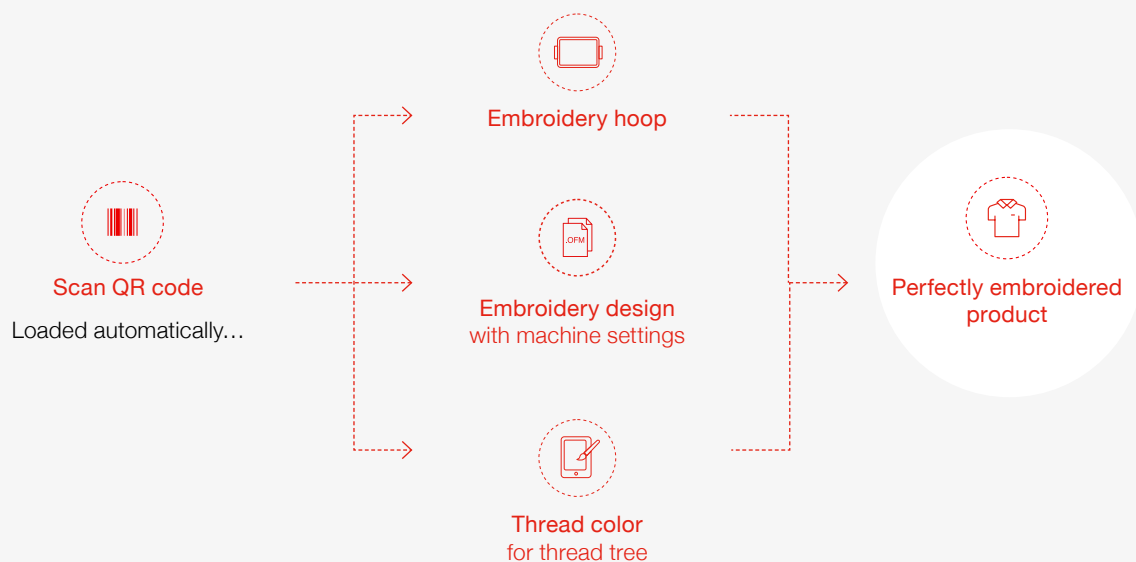
1500 stitches per minute

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

Integrated Barcode Reader (Hot Folder)

Thanks to the integrated barcode system, production processes are automated – from simplified hoop selection and super-fast Design loading to automatic color assignment. This simultaneously increases efficiency and process reliability. The embroidery information is transmitted directly 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, a thumb drive or on-board memory.

Embroidery has never been this easy –
thanks to smart automation!



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



Melcos Software Solutions optimize and automate your embroidery design process. Depending on your needs, we recommend

- Melco EFS
- Melco Fusion
- Melco Design Shop
- Melco Summit Manager



The proprietary OFM format is generated by our software solutions. These files contain information about the design, e.g., the actual thread color 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 needs of commercial embroidery, making embroidery as easy as possible for you.

Save design settings

With the Summit, all key design settings can be saved permanently. The next time it's used, the design will be stitched automatically with the same parameters – including:

- Thread colors
- Hoop selection
- Thread tension (incl. Acti-Feed settings)
- Sew speed

The design can then be loaded by the Melco Summit Manager and transferred to other machines – ideal for consistent quality across multiple machines.

Automatically assign colors to needles

The integrated barcode scanner makes it possible to scan Madeira and other thread cones with barcodes and assign them directly to a specific needle. This saves time and reduces errors during setup.

Add design notes

You can now add individual notes to each design – for example, tips on the stabilizer needed, presser foot settings, or other product-specific information. This way, no detail gets lost and production becomes even more efficient.

Integrated Maintenance

The Summit is equipped with a user-friendly maintenance menu that guides you step by step through all required maintenance tasks. This ensures your machine always operates flawlessly, helping you protect your investment optimally.

Melco Summit Manager

The Melco Summit machines can be controlled directly via the Summit Manager. Designs can be fully prepared there, sent to the queue, or transferred directly to the embroidery machine – even while the machines are running.

Time savings:

Up to 1 hour per day with 60 designs –
even with just one machine.

You can find more features of the Melco Summit at melco.com/en-gb/melco-summit

Optional:

The Summit Manager – smart control for your Summit embroidery machine!

Everything in one place at a glance

Centralize your machine control in an intuitive interface and experience how smart productive work can be. With the Melco Summit Manager, you control all machines centrally and save valuable time. For a smooth production that grows with you.

Maximum productivity

Reduce downtime with the smart queue management of the Melco Summit Manager. Jobs are prepared automatically, machines are utilized optimally, and downtime is minimized – for maximum productivity and a consistently smooth production flow.

Precision from the start

Thanks to 1:1 design preparation on the computer, the Summit Manager ensures maximum precision. Sources of error are minimized, setup times are reduced – for reliable results and consistently high embroidery quality.

The dashboard for the best overview

Keep an eye on your production – intuitively and in real time. Assign machines to groups, monitor the status and progress of each job, and detect downtime instantly. With the Melco Summit Manager, you can see at a glance which machines are active, how long jobs have been running, and where action is needed.

Settings for machine operation

Thanks to the Summit Manager, you can optimally prepare your embroidery jobs in just a few steps. Set hoops, sew speed, Acti-Feed™ settings, and thread colors in advance – for a smooth project.



Your benefits at a glance

Efficiency

Create and manage machine groups that match your jobs precisely. Got a big order coming up? Send the designs to all machines – once the current job is finished, your large order will start automatically with full production capacity.

Flexibility

Stay ready for whatever comes. Change the designs in your design queue at any time as needed. Control your production wirelessly – from anywhere in your shop.

Productivity

So some machines simply keep on producing when the hoop or the bobbin thread needs to be changed on one machine.

Even while you adjust machine settings in the Summit Manager, production continues without interruption. When a job is changed, the prepared design can be loaded with a tap of a finger – for a seamless production flow.

You can find more information about the Summit Manager at melco.com/summit-manager

Technical Specifications

Needles	16
Thread 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	Yes, up to 50 machines or with a network folder
Laser alignment	Needle positions / Trace design / Alignment
Interface	Built-in HD touchscreen
Load designs with barcode	Built-in QR Code Scanner
Design storage space	4 GB internal / Unlimited in Hot Folder
Adjustable presser foot	Yes
Automatic thread cutter	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	Automatic color assignment with 60+ built-in thread charts
Available hoops	All
Maintenance	Maintenance timer with step-by-step instructions
Dimensions	With Cart Width: 724 mm / Height: 1,643 mm (–3 mm damper compression, yarn tubes extended 60 mm) / Depth: 779 mm (front caster wheel with brake extended) / Weight: 95.5 kg Without Cart Width: 724 mm / Height: 909 mm (–3 mm damper compression, yarn tubes extended 60 mm) / Depth: 741 mm / Weight: 74.6 kg

A detailed comparison of our machines can be found at
melco.com/en-gb/comparison-of-embroidery-machines