Melco | **Saurer**

ΛMΛYΛ

XT

XT4

simply amazing

Melco understands that investing in professional embroidery equipment is the most important decision our clients will make for their businesses. That's why Melco applies client feedback to bring you the most technologically advanced and easy-to-use embroidery systems in the world.

AMAYA is the only embroidery system to offer

The largest cap sewing field in the industry
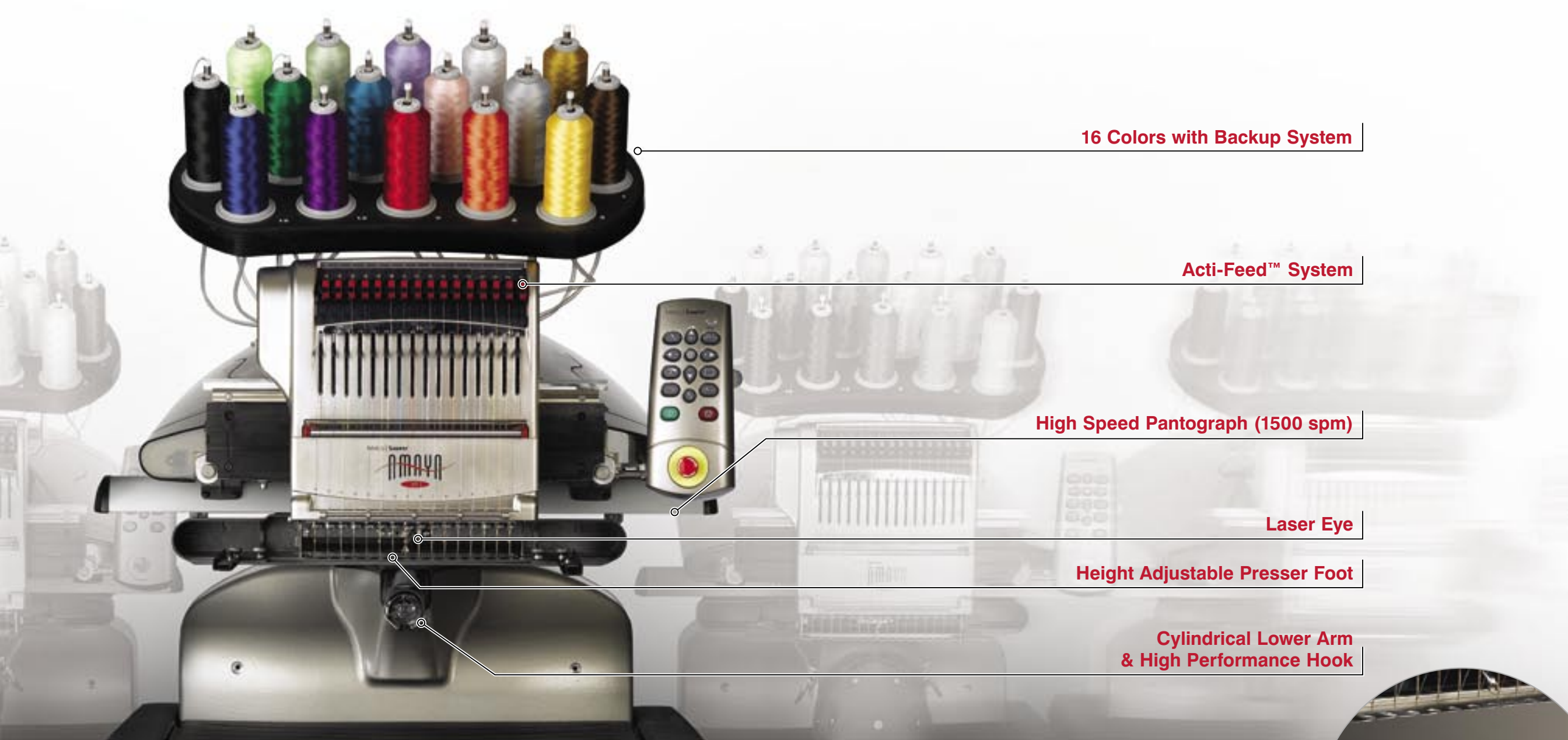
Unique modular design

Precise thread tension with the Acti-Feed™ thread tension technology

Consistent speeds of up to 1500 stitches per minute irrelevant of machine configuration

Precise laser tracing eye

16 Color backup system

If you can imagine it, AMAYA XT will help you create it. Fast. Flawless. And yet so very simple. What AMAYA XT can do for you is **amazing…simply amazing**.

16 Colors with Backup System

Acti-Feed™ System

High Speed Pantograph (1500 spm)

Laser Eye

Height Adjustable Presser Foot

Cylindrical Lower Arm & High Performance Hook

Fast, Precise, Flexible.

16 Colors with Backup System
AMAYA XT features the industry's first Color Backup System. Users can program groups of needles together so in the event of a thread break, the AMAYA XT will automatically switch to the back up needle and continue to stitch. The Color Backup System can easily be configured for both multi- and single-head production.

Acti-Feed™ Tensioning
With speeds up to 1500 spm the exclusive Acti-Feed system feeds the thread smoothly and automatically adjusts thread tensions so you don't have to. This system ensures that you will get the same perfect quality on every sew–out.

High Speed Pantograph
All of the structural and moving parts are located above the garment, virtually eliminating the possibility of the material getting caught by the pantograph. The optimized x/y-beam with carriage means precise positioning when embroidering at high speeds.

Laser Eye
AMAYA XT is the first to feature a laser eye for tracing and positioning. It makes the design setup fast and easy, and assures accurate placement throughout the sewing process. The laser eye is activated automatically during operations like manual jog and tracing, or the operator can manually activate the eye with the press of a button on the fast key pad.

Height Adjustable Presser Foot
The patented height adjustable presser foot makes it easy to adjust to different fabrics. You can manually lower the dead point of the presser foot in the range of 0.5mm to 3.5mm above the needle plate, without tools.

Cylindrical Lower Arm and High Performance Hook
AMAYA XT features the smallest cylindrical lower arm in the industry–providing the largest cap stitch field available. Specially coated high performance rotary hook performs at speeds up to 1500 stitches per minute and requires less oiling than standard hooks.

Smallest Cylindrical Lower Arm

Ultimate Cap Stitching
Demands by consumers and ever-changing fashion trends require the need to stitch an increasing variety of products at high speeds.

AMAYA XT's cylindrical lower arm, the smallest in the industry, gives you the ability to embroider the widest range of caps and visors as well as pockets, childrens garments and golf club covers at speeds that can't be achieved with other systems.

Packaged for Performance
Multi-Head Production

No ordinary multi-head!

Melco AMAYA XT multi-head systems stitch independently, so each head can also be configured to handle any job you throw at it. Monogramming, name dropping, samples, or even preventative maintenance per head won't stop the entire production, unlike using a conventional system. Plus, it's all neatly networked by one computer.
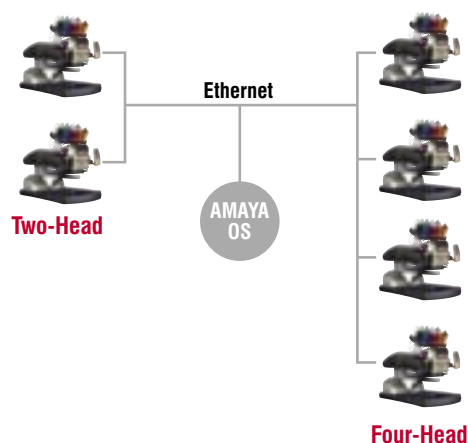
Take advantage of our most popular packages

XT4   **XT6**

The XT4 (above) is stitching multiple products at once – **it's the ultimate multi-tasker**

AMAYA XT – The multi-head that multi-tasks

AMAYA XT is no ordinary multi-head system, the multi-task capabilities can produce like no other multi-head on the market.

Today's embroidery production demands are quite diverse. AMAYA XT's multi-task abilities and connectivity capacity enables businesses to take full advantage of consumer demand.

AMAYA XT's versatile multi-head systems can adapt to all production demands. Head for head, there is no comparison. These systems produce work orders not possible on conventional machines. Plus, the independent systems are not affected by single thread breaks like conventional machines which shut down production of all heads. In addition to AMAYA XT's multi-head systems ability to handle large production jobs, the heads can operate independently to fulfill small personalization orders and samples.

AMAYA XT features modular configuration... from one head to as many as you can add!

AMAYA OS
Powerful software for exciting soft wear

Melco leads the way with innovative operating system software that offers total flexibility and convenience. AMAYA OS is filled with new features to make the operation of your machines more convenient and productive than ever. And now AMAYA OS is available in three productivity levels to match your business needs today and in the future.
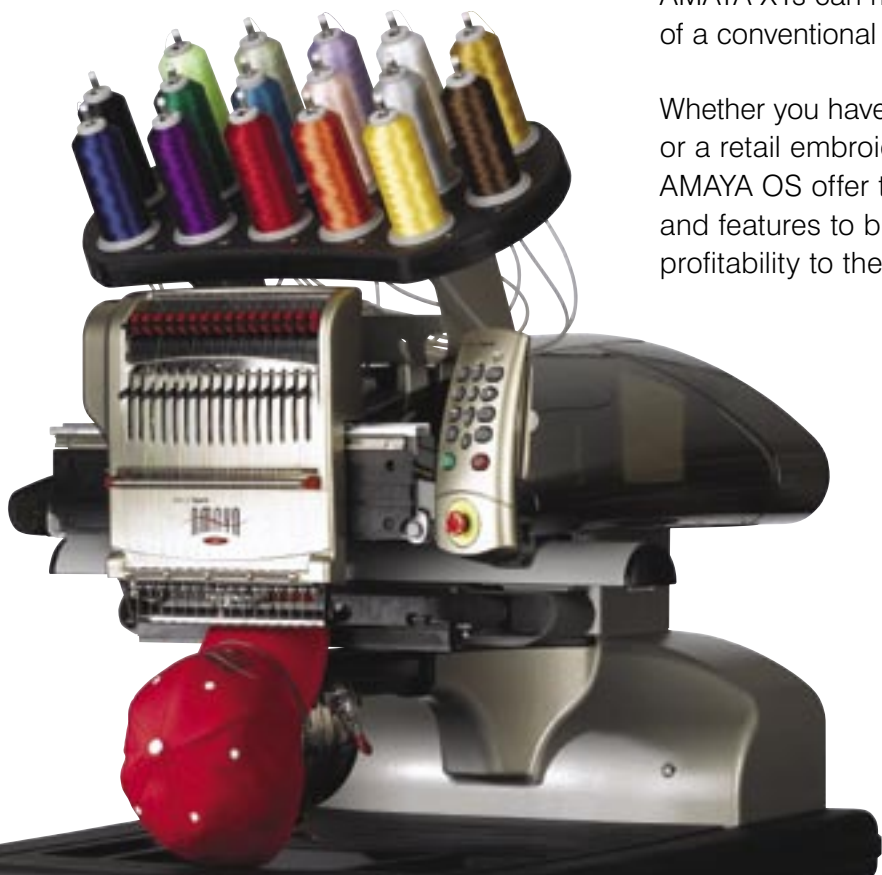
Multiple heads and systems can be easily connected for an integrated embroidery production system.

Ethernet

AMAYA OS

Two-Head

Four-Head

AMAYA OS is reliable software that can be operated from a PC, without the need for a dedicated "on-board" computer. With the exclusive Flex feature, AMAYA XT heads can be operated in synchronous mode (all heads start and stop in unison) or in asynchronous mode (each head operates independently).

The asynchronous mode allows other machines in a multi-head configuration to continue operating when one head stops for an event, such as a bobbin change or thread break. With AMAYA OS Flex, a multi-head AMAYA XT outperforms conventional multi-heads by 200% or more, depending on the system and design. That means eight to ten AMAYA XTs can meet or beat the production of a conventional 20-head system.

Whether you have a large industrial operation or a retail embroidery shop, AMAYA and AMAYA OS offer the flexibility, convenience and features to bring your productivity and profitability to the next level.

Choose your operating system

AMAYA OS SE
For Single Machine Operation

AMAYA OS SE (Single Edition) is designed for embroiderers who want to run one AMAYA machine. If more AMAYA heads are added at a later date, you can easily upgrade.

Key Features
- AMAYA OS SE is standard with each AMAYA. It operates one head.

OS =

AMAYA OS Flex
For Multiple Machines in One Cluster

AMAYA OS Flex lets you run multiple AMAYA machines in a single cluster, with up to 30 heads in the cluster. AMAYA machines run in asynchronous mode. In asynchronous mode, if one machine stops (for a bobbin change, for example), the others keep sewing. This maximizes your run productivity.

You can change the number of heads in the cluster at any time. Through this software, you choose the configuration that suits your needs. AMAYA OS Flex means flexibility!

Key Features
- AMAYA OS Flex operates up to 30 AMAYA heads.
- You can change the configuration at any time (two-head, four-head, six-head, etc.).
- Run in synchronous mode (all heads start and stop in unison) or asynchronous mode (each head operates independently).
- All heads run the same design.

OS = up to 30 heads

AMAYA OS Flex Plus
For Multiple Machines in Multiple Clusters

Use AMAYA OS Flex Plus if you own multiple AMAYA machines and need maximum embroidery operation flexibility. AMAYA OS Flex Plus software lets you run up to 30 machines in different clusters. With AMAYA OS Flex Plus, you can group and regroup your machines in any combination and sew different designs on each cluster. For example, set up a four-head cluster, a six-head cluster and a two-head cluster all from the AMAYA OS Flex Plus software. It's total flexibility!

Key Features
- AMAYA OS Flex Plus operates up to 30 machines in various clusters.
- You can change any configuration or cluster at any time (two-head, four-head group, six-head group, etc.).
- Run in synchronous mode (all heads start and stop in unison within the cluster) or asynchronous mode (each head operates independently).
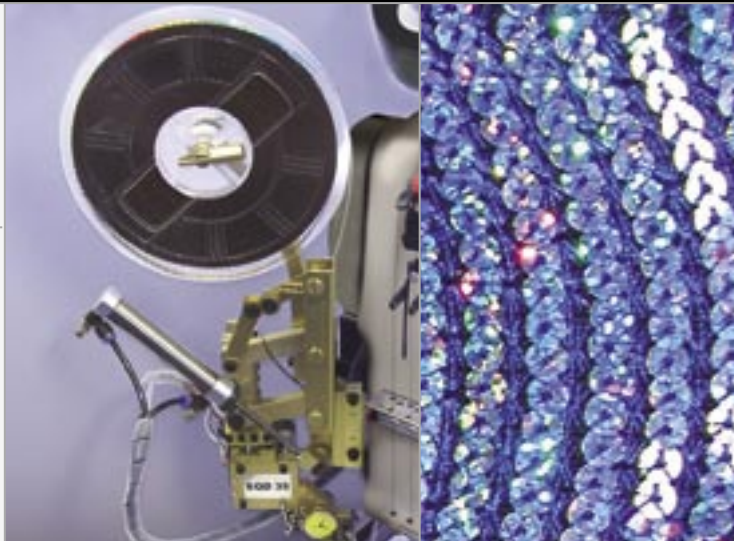- Run different designs in different clusters.

OS = Connect in any configuration, producing different designs.

Think of all the possibilities
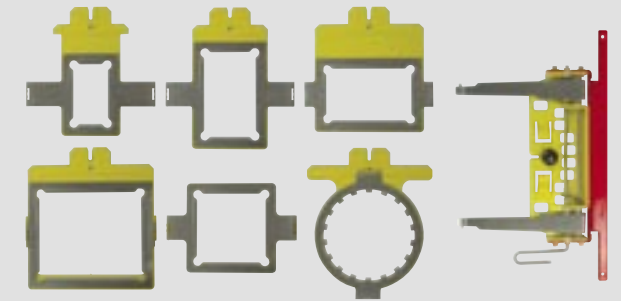## A few of our most popular accessories

Sequin Attachment SQD 35

Create a wide range of dazzling embroidery designs with our newest accessory.

AMAYA Oversized Hoops
Take full advantage of the larger sewing field.

Slim Line Hoop System
Great for bags and hard-to-hoop items.

Micro Cylindrical Hoop

This takes advantage of the Amaya XT's small cylindrical arm allowing you to stitch in small areas such as pockets, shirt sleeves, and golf club covers at speeds that can't be achieved with other embroidery systems.

Wide Angle Cap Frame
Largest sewing field in the industry

Fast Frame Hoops
Use for dog collars and karate belts.

Front Panel Cap Frame
This is a must-have for every embroidery shop.

KEY SPECIFICATIONS	
Needles	16 (The Industry leader)
Maximum Stitches Per Minute On Flats	1500 (The Industry Leader)
Maximum Stitches Per Minute On Caps	1200 (The Industry Leader)
Maximum Tubular Frame Size (X x Y)	19.7" x 16.9" (500 mm x 430 mm)
Maximum Sew Field/Tubular Frame (X x Y)	16.1" x 15.7" (410 mm x 400 mm)
Maximum Sash Sew Field (X x Y/Diagonal)	16.1" x 15.7"/22.6" (410 mm x 400 mm/573 mm)
Wide Angle Cap Frame	14.25" x 3.23" (362 mm x 82 mm)
Conventional Cap Frame	5.9" x 2.75" (152 mm x 70 mm)
Stitch Length Range	Only Limited By Hoop Size
Machine Configuration	Up To 30 (See AMAYA OS Specs)
Self-Diagnostics Capability	Collects Machine Data For Troubleshooting
Noise Level (Average)	60–74 Decibels
Lighting	Cold Bright LED
Power Supply (V)	90–260V (Single Phase, 50/60 Hz)
Power Consumption (W)	Typical: 200 Watts, Max: 650 Watts
Motor Types	Servo
Motor Capacity (W)	X and Z: 100 Watts, Y: 250 Watts
Machine Construction Material	Aluminum

SPECIFICATIONS WITH CART	
Width	28.5" (724 mm)
Height	60.7" (1541 mm)
Depth	37.2" (944 mm)
Weight	210.3 lbs (95.4 kg)

SPECIFICATIONS WITHOUT CART	
Width	28.5" (724 mm)
Height	35.7" (907 mm)
Depth	29.0" (737 mm)
Weight	165 lbs (75 kg)

Melco | **Saurer**

Melco Embroidery Systems
1575 West 124th Avenue
Denver, Colorado 80234

Melco Sales   **800.799.8313**
                 303.457.1234

Melco Service **303.457.2025**

info@melco.com
www.melco.com