Amaya®

Simply Amazing.

Flexible *FAST* *Precise*

Welcome to Amaya 2004

Configure Amaya any way you choose, from single head to groups and clusters, up to 30 heads per computer.

1

As Many As You Add

No two days in the embroidery business are ever the same. Today you might need two heads running a small cap project and six heads running shirts. Tomorrow you might need all eight heads running jackets. You have to be flexible in order to meet your customer's changing needs. Your embroidery equipment and software should be flexible as well. Amaya is the only embroidery system that offers total flexible configurations: As Many As You Add.
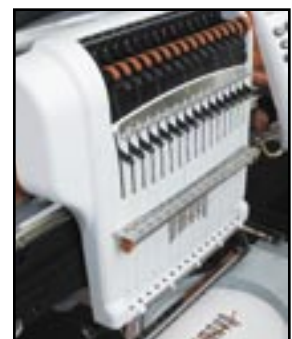
It defies the 1980s-style embroidery machines that lock you into a very specific – and costly – head configuration. Each Amaya can run independently, or can be grouped with others with Amaya OS Flex software. Plus, when one head is down for maintenance (thread or bobbin breaks or reloads, rehopping, etc.), all of the other heads continue to operate. This makes more efficient use of m,anpower and machines, and lets you produce more finished goods with less overhead.

Above - 1980's Technology. *Conventional multi-head flatbed systems are inefficient and cumbersome. Once you have it, you can never reconfigure it. Plus, every head must run the same design. When one head stops for maintenance,the entire unit stops. Very unproductive.*

2

Conventional machines mechanically "pull" the thread from spool to needle. This causes a stiff, inaccurate embroidery and reduces stitches per minute. Not Amaya. Thread tension and feed is controlled by the Acti-Feed® computer software, delivering the precise amount of tension and thread by three individual parameters per needle. You'll get faster speeds, fewer thread breaks and more consistent quality. The softer embroidery means you don't have to use backing material on many designs.
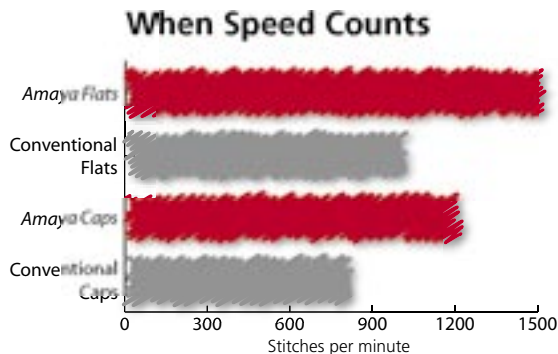
Precise, Computerized Thread Tensioning

16-Color Thread Palette

3 Amaya offers a full palette of 16 thread colors to give you additional flexibility and convenience. With more available thread colors, you can run a wider variety of projects and spend less time setting up and changing over. Amaya's speed can also be defined by color in order to optimize for individual thread types.

When Speed Counts

Amaya Flats	
Conventional Flats	
Amaya Caps	
Conventional Caps	

0   300   600   900   1200   1500
Stitches per minute

4 Amaya sets the pace with the fastest speed of any machine in its class, nearly 30% faster than other machines in its class.
Maximum stitches per minute: 1,500 flats, 1,200 caps.

Loaded With Extra Features

Laser Eye System - For tracing and positioning. Activated automatically during operations like manual jog and tracing.
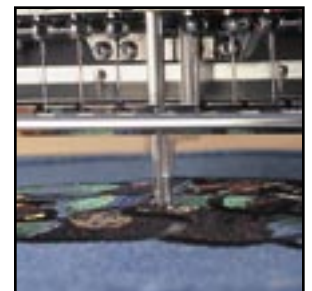
5 **Thread Break Monitor** - Electronically detects breaks and spool ends.

Height Adjustable Presser Foot - Easily adjust to different fabrics. Lower the dead point of the presser foot in the range of 0.5mm to 3.5mm above the needle plate without tools.

Safety Grabber - Designed as both a needle guard and grabber to prevent accidents while putting the thread in a defined position after trimming.

High Speed Pantograph - All of the structural and moving parts are located above the garment, virtually eliminating the material from getting caught in the pantograph.

6 ## Accessories and Options

Round out your Amaya with convenient accessories like a 270 degree Wide Angle Cap Frame, an optional tabletop and tubular framing system, and optional spider hoops.

AMAYA

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 (XxY)	19.7" x 16.9" (500mm x 430mm)
Maximum Sew Field/Tubular Frame (XxY)	16.1" x 15.7" (410mm x 400mm)
Maximum Sash Sew Field (XxY/Diagonal)	16.1" x 15.7"/22.6" (410mm x 400 mm)
Wide Angel Cap Frame	14.1" x 2.75" (362mm x 70mm)
Conventional Cap Frame	5.9" x 2.75" (152mm x 70mm)
Stitch Length Range	Only limited by hoop size
Machine Configuration	Up to 30 (see Amaya OS specs)
Bi-Directional Networking Capability	Up to 128 with ENS
Self-Diagnostics Capability	Collects machine data for toubleshooting
Design Memory	500K maximum file size
Lighting	Cold bright LED
Power Supply (V)	60 - 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" (724mm)
Height	60.7" (1541mm)
Depth	37.2" (944mm)
Weight	210.3 lbs (95.4 kg)

SPECIFICATIONS WITHOUT CART

Width	28.5" (724mm)
Height	35.7" (907mm)
Depth	29.0" (737 mm)
Weight	165 lbs (75 kg)

New 2004 Features

- Rugged Z Motor
- Base Cover
- Enhanced Hook
- Enhanced Wide Angle Cap Frame and Gauge
- Sleep/Awake Mode
- Stainless Steel Thumb Screws (for hoop arms)

Standard Features

- Can be run in any configuration, from single head up to 30 heads on a single PC computer
- Acti-Feed Thread Tensioning Technology (patented)
- Removable Table Top (optional)
- Automatic Backup
- Automatic Trimmers
- Step-by-step video guide
- Laser eye pre-sew tracing
- Laser needle positioning system
- Automatic thread break/ bobbin beak detection
- Will fit through normal doors

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