

Now that has already verified
SWF multi-head embroidery machine series
 head automatic embroidery machine.

Wealthy Function



- Extended Memory capacity (Optional)**
 Memory extension is available from the basic 500,000 stitches to 2,000,000 at its maximum. We are proud of SWF's abundant memory enough to save 100 designs.
- Rotate, Mirror Image Conversion**
 All design can be transformed into symmetry by turning 0° ~ 359°.
- Scale Up/Down**
 Within the range of 50 ~ 200%, the machine can extend and reduce by 1% to X or Y direction.
- Built-in 3.5" FDD**
 FDD is installed in the machine which can save 480,000 stitches/233 designs at maximum per a 2HD floppy disk so input and output for various designs are available. (Both 2DD and 2HD can be used.)
 The machine can read and save disk with SWF format, which is compatible with different formatted designs from other company codes by automatic recognition. It is also very convenient to output data with the codes of other companies.
- Design Editing**
 Stitch data and functional codes (including for stitch jump, finishing and trimming) can be deleted, changed and inserted.
- Manual/Automatic Offset**
 During the embroidery work for applique and frame change, the frame can be returned to the previous position with only simple key operation. If you designate automatic offset position in the setting mode, it can be returned to the previous offset position after finishing embroidery work.
- Origin Return/Frame Offset**
 During the embroidery work, the frame returns to the starting point of design, and if there is any problem occurred, you can make the frame back for the correct embroidery work.
- Tracing**
 For accurate position of embroidery, the machine traces on the outline of design before starting main operation.
- Automatic returns to the suspension point after power failure**
 When unexpected power failure occurred, it can search for the exact suspension spot automatically for continuous operation to prevent from inferiority of production.
- Floating**
 The frame can process both forward and backward without stitching with the unit of 1, 100, 1000 and 10000 stitches or of each color code.
- Upper thread controller is installed.**
 Under thread controller can be installed. (Optional)



SWF/A-UK1204-45



SWF

FOUR-HEAD AUTOMATIC EMBROIDERY MACHINE SWF/A-UK1204-45

Beautiful, Easy, Versatile.



SunStar HAN KUK SPECIAL PRECISION CO., LTD.

Color LCD Monitor [Option]



- COLOR LCD MONITOR OF HIGH RESOLUTION (640*480)**
 The color LCD on operating panel, which can be shown from every angle enables us to see all working process and information.
- OPERATION OF DIALOGIC WAY**
 Even novice can easily operate the machine if he presses down the key that he wants to use, according to dialogic way.
- ABUNDANT MEMORY**
 It has 100 built-in memory rooms and a room for 1,000,000 stitches. (It is possible to extend to 2,000,000 stitches as option)
- CONVENIENT PREPARATION FOR WORKING**
 You can make convenient preparations for working since gauge and outline of design can be made automatically before starting working and you can easily find out error happened on embroidery frame.
- EDITING OF DESIGN**
 You can edit not only a stitch deletion, stitch insertion and stitch drag but also change the function codes and designate the exact dividing position to divide.

Specification

MODEL : SWF/A-UK1204-45

Series: SWF/A, Machine Type: UK1204, Head Interval: 45, Y-Stroke: No. of Heads, No. of Needles

Lock Stitch	★		
No. of Heads	4		
No. of Needles	12 (DB×K5 #11)		
Speed	Max 1,000 spm	Border Frame Work : Max. 900spm	
Stitch Wide	0.1 ~ 12.7mm		
Hook	Standard Hook		
No. of Stitches that Can be Stored in Memory	Max. 500,000 Stitches	Max. 2,000,000 Stitches (Option)	
Memory Medium	2DD/2HD 3.5" Floppy Disk		
Embroidery Area (X × Ymm)	Normal (Border Frame)	500 × 450	
	Inner Space	Tubular Frame	419 × 439
		Wide Cap Frame	360 × 75 (Option)
		Semi Cap Frame	180 × 83 (Option)
Motor	AC Servo Motor : 1	Main Shaft Motor	
	Pulse Motor : 4	Frame Driving Motor	
Power Consumption	1-Phase 100V, 120V, 200V, 220V, 240V	50Hz / 60Hz	
	3-Phase 200V, 220V, 240V, 340V, 380V		
Machine Size (mm)	At Delivery	2923(W) × 900(L) × 1320(H)	
	After Set-up	2923(W) × 1190(L) × 1500(H)	
U.T.C (Under Thread Controller)	Option		
Bobbin Winder	★		
Fluorescent Lamp	Option		
Safety Device	Emergency Stop	Option	
	Beam Sensor Safety Stop		
	Error Code Message		
Boring Device	Option		
Cording Device	Option		
Color LCD Monitor	Option	High Resolution (640*480)	

SunStar HAN KUK SPECIAL PRECISION CO., LTD.



FOUR-HEAD AUTOMATIC EMBROIDERY MACHINE

SWF/A-UK1204-45

High-Speed Embroidery Machine

By realizing soft and accurate X-Y frame transfer for elegant stitches at the maximum speed of 1,000 stitches/min, embroidery quality and productivity can be ensured simultaneously.

SunStar is opening the gateway to the bright future of embroidery machines.

All the technical know-how that has already verified worldwide through the **SWF** multi-head embroidery machine series is integrated in this 4 head automatic embroidery machine.

Multi-Purpose Embroidery Machine

The scope of machine use are very variety such as T-shirts, sweaters, tubular working clothes and hats as well as normal materials.

Compact Embroidery Machine

The 4-head-compact machine allows us to work in wide embroidery space, 500mm(X) x 450mm(Y), with 12 needle having optimal machine size to be easily installed at the small space.

Simple and Easy Operation

- We can see the general setting situation and input of embroidery data easily at a look through LCD by adopting both back-light attached LCD and VFD screen at the same time. Also the machine systems are designed to be met with operator's convenience by checking processing situation and errors easily through VFD during the operation.
- Frequently used functions are iconized for easy operation, and even novice can operate the machine without any difficulty by adopting dialogue-style input method for machine set-up and data input.



SWF/A-UK1204-45



- ▶ 3 line arrangement having independent thread control devices that is improved thread case & course with the maximum speed of 1,000 spm minimize the resistance of upper thread and it prevents from abrasion by adopting ceramic eyelet in every thread lines.
- ▶ Powerful endurance was originated by materials with ultra-precision processing in the main mechanism such as take-up needlebar moving, mes & head. For the accurate & fast frame movement and head transfer, stepping motor of high-precision and LM guide system for FA are adopted, realizing semipermanent precision for embroidery.
- ▶ By controlling the main shaft drive with AC servo motor, the response for the speed change even stitching becomes fast and smooth so that stable and accurate embroidery can be made in every speed range.
- ▶ As semi-auto lubrication system is installed, the lubricant is supplied automatically and frequent lubrication problems were solved.

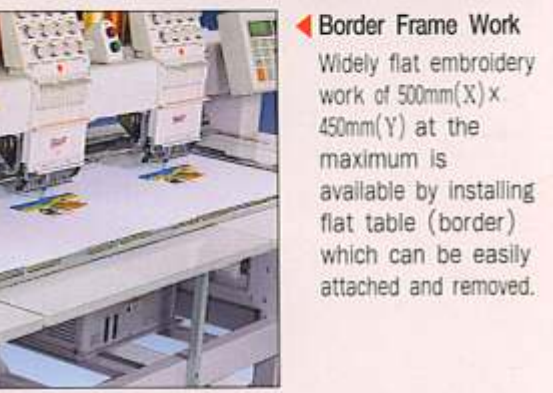
Work conversion according to the customer's need is easy and simple such as for tubular, cap on flat panel so productivity can be much improved.



▲ Tubular Frame Work
The wide embroidery range of 419mm(X) x 439mm(Y) at the maximum enables us to handle the large size of tubular materials.



▲ Wide Cap Frame Work (Option)
Embroidery work for side of cap as well as front is possible in the range of 360mm(X) x 75mm(Y) at the maximum.



▲ Semi Cap Frame Work (Option)
More perfect embroidery for hat is realized by its wide available working range in 180mm(X) x 83mm(Y), at the maximum.

◀ Border Frame Work
Widely flat embroidery work of 500mm(X) x 450mm(Y) at the maximum is available by installing flat table (border) which can be easily attached and removed.