

# K DUAL SERIES

Dual function  
automatic embroidery machines

**SWF / K - U H 15 06 D - 45**

Series	SWF / K	Y-Stroke	45
M/C Type	U H	Dual Function	D
Head Interval	15 06	No. of Heads	15
		No. of Colors	06

Specifications		
Speed	Tubular	Max. 1,000 rpm
	Wide Cap	Max. 900 rpm(4,6,8 Head), 750 rpm(12 Head)
	Semi-wide Cap	Max. 1,000 rpm(4,6,8 Head), 850 rpm(12 Head)
Stitching Length		0.1 ~ 12.7 mm
Motor	Main	Servo Motor x 2
	X-Y	Pulse Motor x 6
Electricity		1-Phase 100V, 110V, 120V, 200V, 220V, 240V [50/60Hz]
Power Consumption		1.1 kW
Bobbin Winder		Standard
Upper Thread Holding Unit		Standard
Lubrication System		Semi-auto Lubrication System
Operation Box		Standard : Color LCD Touch Screen
Hook		Standard Hook
Memory Capacity		Standard : 3,500,000 stitches
Memory Media		2HD 3.5" Floppy Disk, USB
Safety Device		Standard : Emergency Stop, Error Code Message
Optional Device		SQ30/SQ31D, SQ41i, ZD10, ZD20, Cording, Boring, Cap Frame [Semi/Wide]

Division of Model											
Model	Head Interval [mm]	Color	Head	Y-Stroke [mm]	Emb. Space [mm]				Machine Size [mm]		
					Normal	Tubular	Wide Cap	Semi-wide Cap	Length	Width	Height
K-UH904D-45	400	9	4	450	400 x 450	319 x 439	360 x 75	180 x 83	3,475	1,580	1,610
K-UH906D-45	400	9	6	450	400 x 450	319 x 439	360 x 75	180 x 83	4,000	1,580	1,610
K-UH908D-45	400	9	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,530	1,580	1,610
K-UH912D-45	400	9	12	450	400 x 450	319 x 439	360 x 75	180 x 83	6,430	1,580	1,610
K-UH1204D-45	400	12	4	450	400 x 450	319 x 439	360 x 75	180 x 83	3,475	1,580	1,610
K-UH1206D-45	400	12	6	450	400 x 450	319 x 439	360 x 75	180 x 83	4,000	1,580	1,610
K-UH1208D-45	400	12	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,530	1,580	1,610
K-UH1212D-45	400	12	12	450	400 x 450	319 x 439	360 x 75	180 x 83	6,430	1,580	1,610
K-UH1504D-45	400	15	4	450	400 x 450	319 x 439	360 x 75	180 x 83	3,475	1,580	1,610
K-UH1506D-45	400	15	6	450	400 x 450	319 x 439	360 x 75	180 x 83	4,000	1,580	1,610
K-UH1508D-45	400	15	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,530	1,580	1,610
K-UH1512D-45	400	15	12	450	400 x 450	319 x 439	360 x 75	180 x 83	6,430	1,580	1,610

All information is based on data available at the time of publication and subject to change without previous notice.

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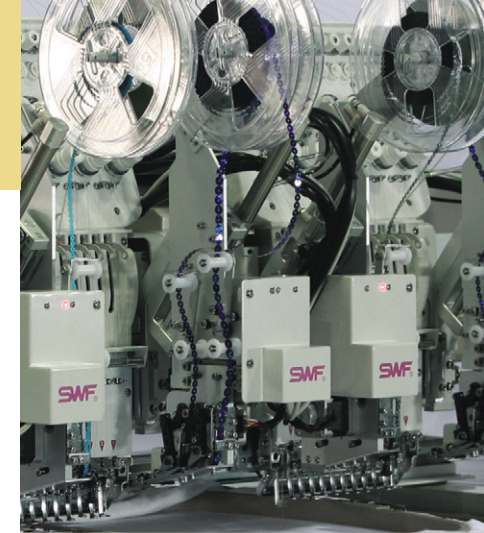
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# K DUAL SERIES

Dual function automatic embroidery machines

**DUAL FUNCTION**  
Only available in SWF



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For W24H service  
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## Dual Function, Only available in SWF

- 01 | Two operations are converged on one machine.
- 02 | Only available in SWF, Dual Function series gives the double benefit.
- 03 | With Dual series, you can easily embroider two different items and patterns at the same time.

### Main Features

- **Enhanced reliability by upgrading I/O Board**
- **Improved embroidery quality**  
Optimizing X-Y motion and improving upper thread way
- **Adopting new type of color change box**
- **Minimized multi-speed drop range**  
The multi-speed drop range is shortened to enhance the stitching quality in speed change.  
(When the stitching length exceeds 5.5 mm, drop-speed decreases by 10 rpm per 0.1 mm)



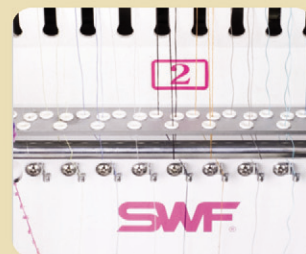
▲ model : K-UH1506D-45

### Technology



#### UPPER THREAD HOLDING SYSTEM

- 1) Prevent unthreading in the heads stopped during embroidery.
- 2) Higher productivity



#### THREAD TENSION UNIT

- 1) New structure of tension plate and adoption of thread way
- 2) Reduction of load given to the thread compared with existing tension plates
- 3) Stable thread flow and smooth thread way



#### LUBRICATION

- 1) The drop-type greasing is easy for users and maintains clean work environment.



#### OPERATION BOX

- 1) Large 10.4" graphic TFT LCD monitor
- 2) Communication-type easy control for convenient work
- 3) Support 2DD/2HD FDD, USB memory stick
- 4) Support USB slave port to connect PC
- 5) Multi-language support
- 6) Touch screen



#### JUMP MOTOR

- 1) Productivity is improved by **no decrease** of speed even at jump stitching.



#### CONTROL BOX

- 1) For easy service by simple structure of rack type
- 2) Convenient maintenance and wiring by CAN communication system
- 3) Use control board of module type to change easily
- 4) Compact size of control box



#### COLOR CHANGE BOX

- 1) To stabilize change of each thread, new type of color change box is adapted.
- 2) Higher quality and productivity by removing errors from potentiometer



#### TRANSFORMER BOX

- 1) Even though the electric current is lower or higher than that of each machines requirement to operate, adopting new transformer box enables electricity to be supplied more stably.

### Improving overall stitch quality

- Optimizing X-Y motion → Efficiency in small stitching length work
- Optimizing the motion of Presser Foot for the better performance in the thick work-piece and thread breakage
- Enhancing the durability of X-Y motion under the overload condition
- Securing the stitching quality by minimizing the multi-speed drop range by 10 rpm (normally by 50 rpm)

### Optional Device

