

Specifications		
Speed	Max. 1,000 rpm	
Stitching Length	0.1 ~ 12.7 mm	
Motor	Main	Servo Motor x 1
	X-Y	Pulse Motor x 3
Electricity	1-Phase	100V, 110V, 120V, 200V, 220V, 240V [50/60Hz]
	2 Heads	: 700 W
Power Consumption	4, 6, 8 Heads	: 1.0 kW
	Standard	
Bobbin Winder	Standard	
Upper Thread Holding Unit	Standard	
Lubrication	Semi-auto Lubrication System	
Operation Box	Standard ; Color LCD Screen	
Hook	Standard Hook, Option : Large Hook (Factory option)	
Memory Capacity	Standard : 4,000,000 stitches * Possible to change by additional functions	
Memory Media	USB Memory Stick	
Safety Device	Standard : Emergency Stop, Error Code Message	
Optional Device	SQ30/SQ31D, SQ35, SQ41, ZD20, Cording, Boring, Cap Frame (Semi/Wide)	

Model	Head Interval [mm]	Color	Y-Stroke [mm]	Emb. Space [mm]			Machine Size [mm]				
				Normal	Tubular	Wide Cap	Semi-wide Cap	Length	Width	Height	
K-UH904-45	400	9	4	450	400 x 450	319 x 439	360 x 75	180 x 83	2,440	1,200	1,610
K-UH906-45	400	9	6	450	400 x 450	319 x 439	360 x 75	180 x 83	3,240	1,200	1,610
K-UH908-45	400	9	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,186	1,610	1,610
K-UH1204-45	400	12	4	450	400 x 450	319 x 439	360 x 75	180 x 83	2,440	1,200	1,610
K-UH1206-45	400	12	6	450	400 x 450	319 x 439	360 x 75	180 x 83	3,240	1,670	1,610
K-UH1208-45	400	12	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,186	1,720	1,610
K-UH1506-45	400	15	6	450	400 x 450	319 x 439	360 x 75	180 x 83	3,240	1,670	1,610
K-UH1508-45	400	15	8	450	400 x 450	319 x 439	360 x 75	180 x 83	4,186	1,720	1,610
K-UH604-45	500	6	4	450	500 x 450	419 x 439	360 x 75	180 x 83	2,940	1,670	1,610
K-UH606-45	500	6	6	450	500 x 450	419 x 439	360 x 75	180 x 83	3,986	1,720	1,610
K-UH902-45	500	9	2	450	500 x 450	419 x 439	360 x 75	180 x 83	1,940	1,200	1,610
K-UH904-45	500	9	4	450	500 x 450	419 x 439	360 x 75	180 x 83	2,940	1,200	1,610
K-UH906-45	500	9	6	450	500 x 450	419 x 439	360 x 75	180 x 83	3,986	1,720	1,610
K-UH1202-45	500	12	2	450	500 x 450	419 x 439	360 x 75	180 x 83	1,940	1,670	1,610
K-UH1204-45	500	12	4	450	500 x 450	419 x 439	360 x 75	180 x 83	2,940	1,670	1,610
K-UH1206-45	500	12	6	450	500 x 450	419 x 439	360 x 75	180 x 83	3,986	1,720	1,610
K-UH1502-45	500	15	2	450	500 x 450	419 x 439	360 x 75	180 x 83	1,940	1,670	1,610
K-UH1504-45	500	15	4	450	500 x 450	419 x 439	360 x 75	180 x 83	2,940	1,670	1,610
K-UH1506-45	500	15	6	450	500 x 450	419 x 439	360 x 75	180 x 83	3,986	1,720	1,610

We can make some modification for improvements without previous notice.



Optimum and Verifiable Solutions



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## Optimum and Verifiable

# Solutions

### Main Features

#### ● Improving overall stitch quality

- Optimizing X-Y motion → Efficiency in small stitch length work.
- 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)
- Optimizing the motion of Presser Foot for the better performance in the thick work-piece and thread breakage



▲ model: K-UH1506-45

### Technology



#### UPPER THREAD HOLDING SYSTEM

- 1) Gearing motor enables simultaneous operation of all heads, ensuring accurate timing.
- 2) Higher productivity



#### JUMP MOTOR

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



#### CONTROL BOX

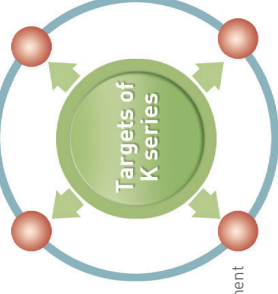
- 1) For easy service by simple structure of Rack Type
- 2) Convenient maintenance and wiring by CAN Communication system
- 3) Use control board of module type to change easily
- 4) Compact size of Control Box



#### OPERATION BOX

- 1) Large 10.4" graphic TFT/LCD monitor
- 2) Communication-type easy control for convenient work
- 3) USB memory stick
- 4) Support USB Slave port to connect PC
- 5) Multi-language support

## Optimum solution for the productivity in small & medium-sized material



Garment Logo & Emblem embroidery work

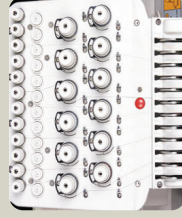
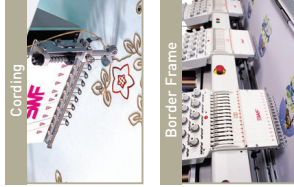
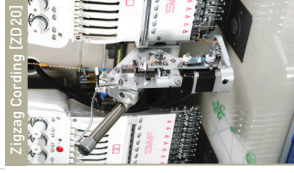
High stability by adapting controller of multi-head embroidery M/C's operation box

Targets of K series

Design-leading Companies  
-Application of various attachment (ZD20, SQ411)

K series, has enforced networking system, is compatible with SENS.

### Optional Device



#### 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



#### 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

