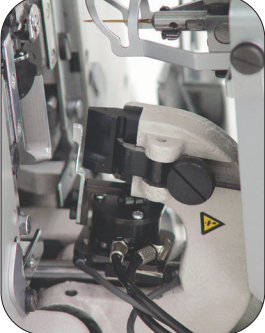


>> Option



Lapel Cutter (-01)
Without replacing cutter and hammer, this makes it possible to sew eyelet button holes and direct button holes.



Upper Thread Nipper (-01, -02)
This holds upper thread stably while sewing, which would enhance accuracy and quality.



Fly Indexer (-02)
This transfers sewing material automatically to sew button holes successively at regular intervals.



Tabletop- attaching type (-01, -02)



Foot Switch (-01, -02)

>> Patterns

		Eyelet Button Hole		Straight Button Hole			
With Gimp	01 02						
	Standard						
Without Gimp	01 02						
	Standard						

Note) ☆ Registered in Option Patterns
01 ⇒ Long Thread Trimmer
02 ⇒ Short Thread Trimmer



SPS/D-BH6000

SPS / D - BH6000

Sunstar Pattern System

Series

D

Direct Drive Type

Type

Thread Trimmer Type

01 Long

02 Short

Model		SPS/D-BH6000-01		SPS/D-BH6000-02	
Stitch	1-needle double chain stitch				
Application	Men's & Lady's wear		Jeans, Working Wear		
Sewing Speed	1,000 ~ 2,200 spm				
Button Hole Sewing Area	Length	10-38 mm	14-40 mm		
			A	14-18 mm	
			B	18-22 mm	
			C (Standard)	22-26 mm	
			D	26-30 mm	
	E	28-32 mm			
F	32-36 mm				
G	36-40 mm				
Width	1.5-3.2 mm				
Sewing Pitch	0.5-2.0 mm				
Taper Bar Length	0-20 mm				
Needle	Schmetz 558(Do×558) Nm90(Nm80-Nm120)		Schmetz 558(Do×558) Nm110(Nm80-Nm120)		
Height of Presser Plate	12 mm		16 mm		
No. of Patterns	Max. 99 patterns				
Motor	Direct Drive Type AC Servo Motor : 1				
Safety Device	Pulse Motor : 3				
Pneumatic	Emergency stop function				
Power	0.5Mpa (5kgf/cm ²)				
1-phase 100V-240V, 3-phases 200V-440V, 50/60 Hz					

• The specifications and appearance of the product are subject to change without prior notice for performance improvement.
Please read thoroughly the user's manual before using the product for safe and proper use.

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AGENT :



Sunstar®



Direct Drive, Electronically Controlled
Chain Stitch Eyelet Button Hole Sewing Machine

SPS/D-BH 6000 Series

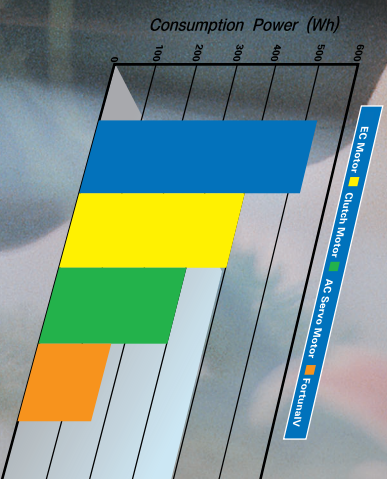
SPS/D-BH6000 Series

SunStar Most Reliable Button Hole Mechanism/

Applied with motor direct drive, this provides great responsibility and comfortable working environment.

>> Energy Efficiency

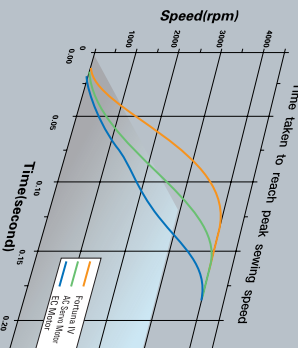
SunStar's Direct Drive AC Servo Motor directly sends power to the upper shaft. This optimal design minimizes energy loss. Compared with existing AC Servo motors, it consumes much less energy.



Direct Drive

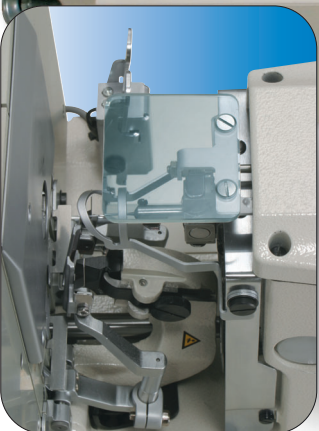
Equipped with 500W AC Servo Motor, the sewing machine can powerfully handle heavy materials.

Compared with competitors, more stable motor capability is offered (patent filing under way). Based on 3-D CAD & CAE interpretation, it produces less noises and low vibration. The sewing machine can make accurate stop, and its prompt and smooth responsiveness leads to productivity enhancement.



>> Safety and Convenience

- The safety guard plate is configured to be turned on only in the middle of sewing. The function provides safety and convenience at the same time.



- The bed level is close to the sewing table top, boosting job safety. Maintenance is also simple with this machine. Due to the small distance between the table and the machine, it is easier to feed the sewing materials to the machine, and therefore work efficiency can be boosted.



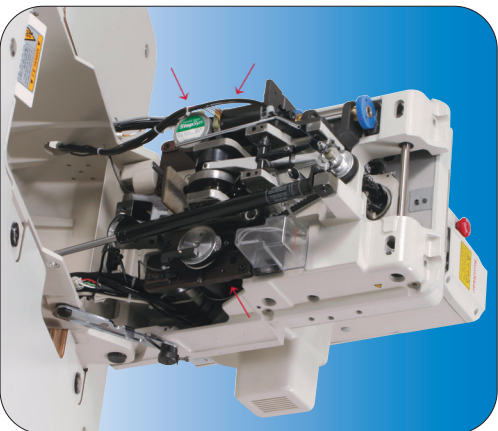
>> Outstanding Productivity and High Product Quality

1. More powerful electronic control algorithm
2. Various patterns & simple to operate
3. Improved working environment
4. Maintenance Free

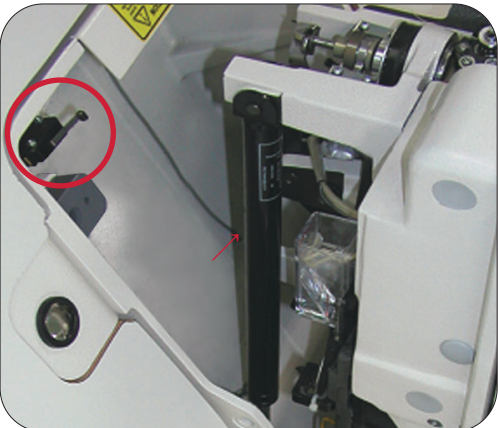
- With the max. sewing speed at 2,200 spm, this sewing machine delivers high productivity. All types of working motions were thoroughly analyzed and reflected for optimized machine operation. As a result, it could produce best quality sewing products, responding to all possible working conditions for eyelet button holes.
- Eyelet buttonholes can be made on different types of fabrics in a speedy and stable manner. Stable stitch types can be made.
- Having adopted the electronic control mechanism, which makes clutch devices and cam replacement unnecessary, it creates a variety of eyelet button holes. It stands out in making various types of button holes in small volume with elevated productivity.

>> Stable Sewing with Beauty

- The needle bar rocking and the X-Y moving control system which are reflected of all of the SunStar control technologies can be accurate and smoothly controlled. They contribute to making stable and beautiful eyelet button holes.
- Right and left press plates are individually controlled by separate air cylinder, so that the sewing materials with uneven thickness could be tightly fixed, guaranteeing sewing stability and high quality.



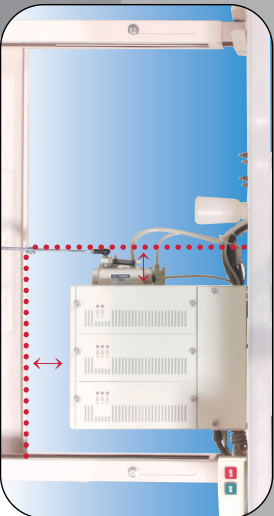
- Since mechanical clutches and cam replacement are unnecessary, noises caused by mechanical parts could be minimized. The X-Y transfer and thread bar structures are applied with electronic control methods. Consequently, it minimizes noises. The simplified mechanical structure ensures easier maintenance.



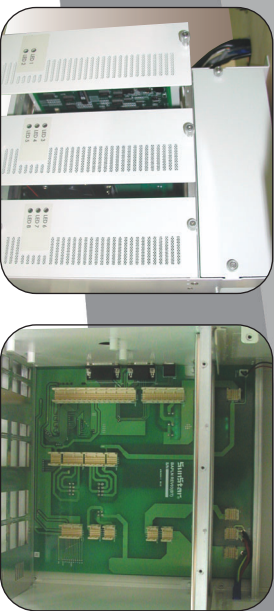
- The sewing machine is supported by gas spring, so that lifting it up or pulling it down takes no physical strength. When the machine is lifted, the sensor is automatically activated preventing accidental operation.

>> Control Box

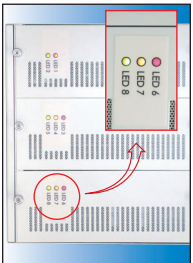
- Smaller and Lighter Control Box
It is 30% smaller and 50% lighter than the previous control box, so that the space under the sewing table is dramatically expanded.



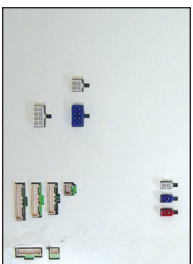
- Rack type Design
With wireless rack-type structure, it is highly durable, reduces heat generation, and supports easy AS service.



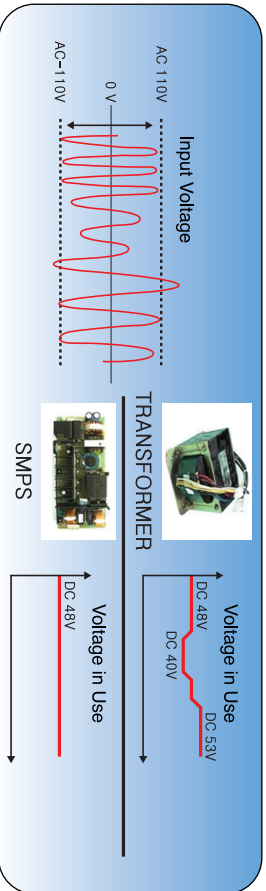
- Easy Breakdown Recognition
When machine errors occur, the LED lamp blinks to help users easily pinpoint and check problematic areas.



- Rack Type Design
With wireless rack-type structure, it is highly durable, reduces heat generation, and supports easy AS service.



- Choice of Dedicated SMPS
SPMS is customized and optimized for the sewing machine. This has reduced heat generation in relation to voltage change and resolved the stop-motor mal-operation issue.



>> Operation Box

- Compact Design
It is designed in the user-friendly way, so even the first-time user of the machine can easily use the OP Box.

- Maximized Stability
The stand of the most optimized size is applied so during sewing work, OP Box does not move.

- Adjustment of Thread Tension
Thread tension for backstitch and zigzag sewing can be easily changed with the simple panel operation.
- Double Sewing
Double sewing is possible with the simple operation, and produces more durable button hole shape.

- Adjustment of Cleanness
Users can choose their desired cleanness by adjusting the dial.

