



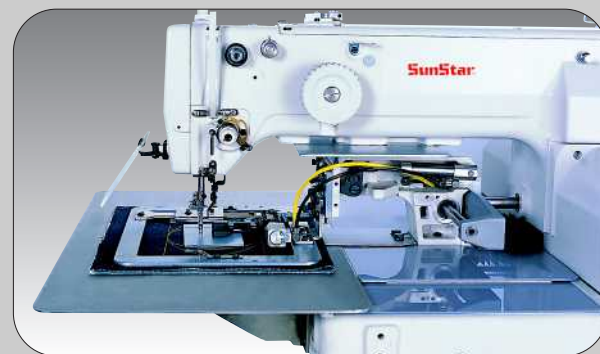
■ SPS/B(A)-□□HS-21

- Pneumatic mono-lithic feeding frame with two step stroke device
By having double stroke between the up most and the down most position of Upper Feed Plate, instantaneous and stable fixing can be done efficiently. Also, the suspended position on the path of Upper Feed Plate can be changed just by simple nut adjusting very easily.



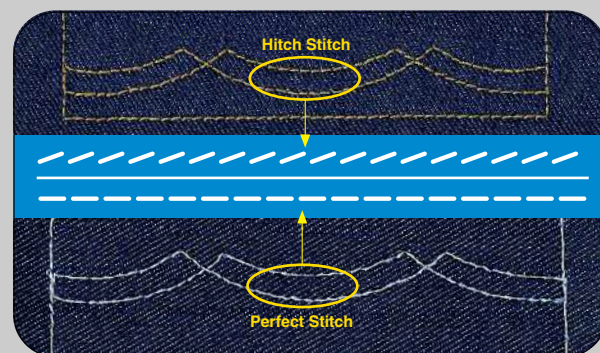
■ SPS/B(A)-□□HS-22

- Pneumatic left / right separately-driven feed frame
This Model is very convenient if you want to do a pattern work specially on the material which has different thickness. Because this machine applied two independently moving Feed Plate, you can adjust the clearance and speed of Feed Plate respectively.



■ SPS/B(A)-□□HS-23

- Pneumatic separately-driven feeding frame with inverting clamp device
This model is fit perfectly for attaching small materials like label, belt-claw, emblem, etc on the clothes.



■ SPS/B(A)-□□G(H)P-20

- Pneumatic mono-lithic feeding frame
By reducing Hitch stitches(Biased stitch when the upper and lower thread are tied up) which is made at the general pattern work, you can see more improved results on the curved design and the label making.

SPS/B(A)-□□

Series	
B	Direct Drive Type
A	Belt Drive Type

	Sewing Area	
	1811	2211
X	180mm	220mm
Y	110mm	110mm



Sunstar Pattern System

Code	Application
G	For general materials
H	For heavy materials

Code	Stitch Type
S	Standard stitch
P	Perfect stitch

Code	Feeding Frame Type
20	Pneumatic mono-lithic feeding frame
21	Pneumatic mono-lithic feeding frame with two step stroke device
22	Pneumatic left / Right separately-driven feed frame
23	Pneumatic separately-driven feeding frame with inverting clamp device

Specification

Model	SPS/B(A)-□□H□	SPS/B(A)-□□G□
Application	Heavy Materials	General Materials
Sewing Speed	Max. 2,000spm(Stitch Length 3mm and Less)	
Stitch Length	0.1~12.7mm	
Needle	DP x 17 #18	DP x 5 #14
Needle Bar Stroke	41.2mm	
Hook	Large Shuttle Hook	
Height of Feeding Plate	Max. 30mm	
Height of Presser Foot	Max. 20mm	
Presser Foot Stroke	4mm (0~7mm)	
Trimming Device	Provided	
Wiper	Provided (Automatic Wiper)	
Emergency Switch	Provided	
Memory Device	3.5" FDD(2HD)	
No. of Patterns	Max. 691 Patterns	
No. of Stitches	Max. 360,000 Stitch	
Enlarging / Reducing	1~400% (0.1% Step)	
Main Motor	SPS/B-Series : 500W Direct Drive AC Servo Motor SPS/A-Series : 550W AC Servo Motor	
Feeding System	Feeding by Stepping Pulse Motor	
Power	1-Phase 100~240V, 3-Phases 200~440V, 50/60Hz	
Pneumatic	0.49Mpa(5kgf / cm ²)	

■ Main Applicable Area : Label, Flag, Hook, Snap, Button, Loop, Pocket, Back-tack, and Tacking
* Specifications and appearance are subject to change for the improvement of products without prior notice.

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Electronically Controlled Pattern Sewing Machine

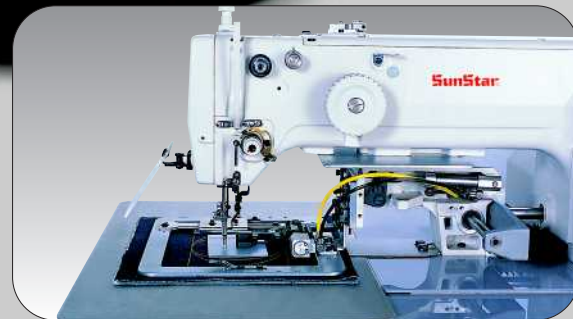
SPS/B(A)-1811 Series (180mm x 110mm)
SPS/B(A)-2211 Series (220mm x 110mm)



SunStar

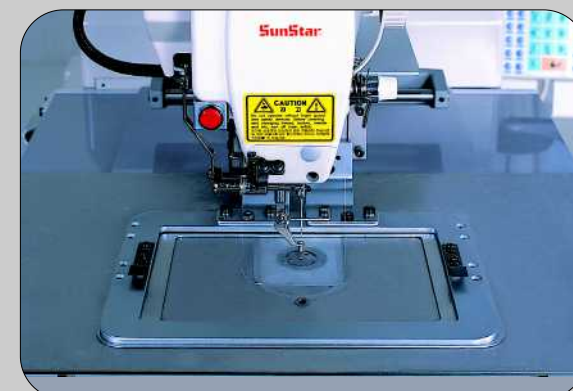
SPS/B(A)-1811 Series SPS/B(A)-2211 Series

SunStar SPS/B(A)-1811 Series has finally come to the market which will lead automatic sewing machine industry in the 21st century on the basis of best reliance



Stable and Accurate Sewing

- By applying special seam mechanism on the parts like shuttle hook, the sewing area is enlarged and stable stitches is accomplished.
- By Excellent X-Y motion control system, you can get a smooth and accurate sewing results and a good quality for such sections like bias or spline.



Best Performance

- This model adopts a big sized feed frame which is good for making a design like stick and pocket.
- Productivity can be increased by adopting large shuttle hook and double capacity bobbin. Therefore, you don't need to change bobbin.
- **Realization of maximum capacity**
- The maximum input stitch for every pattern is 20,000 and you can do any kinds of pattern work composed of multi-needle stitches.
- Since this machine has built-in FDD and use 2HD floppy disk which can save maximum 360,000 stitches and 691 patterns, it will be very convenient for you.

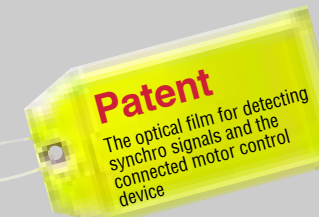
Powerful Sewing Speed

By through study on the every mechanism related to sewing, we have finally realized marvelous sewing speed, 2000spm.

>> Direct Drive System Provides Excellent Responsiveness and Comfortable Working Environment



- Direct Drive System, newly developed by SunStar, means the motor is attached to the machine head directly. As the system connects the AC Servo motor to the upper shaft using the coupling, the machine provides improved responsiveness and upgraded stopping accuracy so it is optimum for high quality sewing.
- Since the V-belt is removed, vibration and noise are reduced. So the machine offers comfortable working environment, high productivity and low electric power consumption.
- In addition, the durability of the machine is greatly improved since there is no radial load from the V-belt.
- Direct drive system makes the installation job much easier and offers safe working environment.



>> Operation Panel

Easy and Simple Operation

- It's very convenient since operator can check data input error and thread cut right away on the monitor.
- Even though you are an amateur, you can use the machine comfortably owing to the dialogue type Operation Panel.
- You can save data input time by using shortcut button for frequently using function.
- Since Operation Panel is movable, it's very comfortable for operator to make a design.



Excellent Applicability

- You don't need any reformation when you attach other accessories or pneumatic devices to the machine, because extra input and output ports are installed on the outside of control box.
- You can change the electric power voltage simply by changing the connector position inside of control box.

Wonderful Input & Output

- Input for line, arc, spline and circle is very simple.
- Many kinds of stitches like as zig-zag, offset, automatic backtack, double forward/backward, condensing and overlapping stitches can be done very easily.
- You can do jobs like transferring, copying, removing and symmetrizing by easy operation.
- You can change the sewing and jumping speed even though machine is working.
- You can select any kind of design and input data just by selecting function code.