SPS/S-CV Series

SPS / S - C V 1

- **SPS** — Sunstar Pattern System
- **S** — Special
- **C** — Cap
- **V** — Visor
- **1** — Standard

Specification

Model	SPS/S-CV1	
Sewing Speed	Max. 1500 spm (Stitch Length : 3mm or below)	
Stitch Length	0.1~12.7mm	
Needle Bar Stroke	41.2mm	
Needle	DP$\times$17 , DP$\times$15	
Transfer Range(X-Y)	300mm $\times$ 180mm	
Presser Foot Stroke	Standard 4mm(0.7~7mm)	
Height of Presser Foot	22mm	
Hook	Full rotary large hook	
Memory Device	3.5" floppy disk (2HD) storage : Max. 691 patterns / diskette	
Safety Device	Emergency Stop Function	Emergency stop during sewing
	Max. Speed Limit	Speed can be controlled at the range from 180 to 2500 spm with the external controlling switch
Pattern Selection Function	Choose desired pattern numbers from 0 to 999	
Thread Trimming	Rotary mes thread trimming	
Memory Backup	Work points are stored in memory when sewing is stalled due to power outage	
2nd Original Point Function	Set the needle position during sewing by using jog key	
Main Motor	Upper-shaft drive motor 500W Servo motor	
	X-Y motor Step motor	
Voltage	Rated voltage $\pm$10%, 50/60 Hz	
Power Consumption	600VA	
Used Air Pressure	5.5kgf/cm(0.49~0.54 MPa)	

∗ Specifications and appearance are subject to change for the improvement of products without prior notice.

SunStar SUNSTAR MACHINERY CO., LTD.

AGENT:

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TEMPORARY CATALOGUE ONLY FOR ADVERTISEMENT OF SAMPLE MACHINE.

Automatic Cap Visor Quilting Machine

SPS/S-CV Series

SunStar

SPS/S-CV Series

Automatic Cap Visor Quilting Machine developed through the advanced technology of SunStar

Rotary large hook
Rotary thread trimmer

The adoption of large hook makes frequent bobbin exchange unnecessary during sewing, thereby enhancing productivity. The Rotary Mes-type thread trimmer is simple in structure and easy to use.
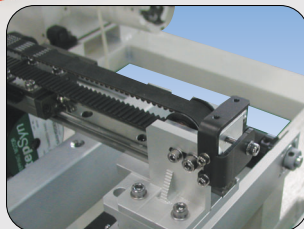
Optimal X-Y Mechanism

The adoption of the gantry type X-Y mechanism guarantees easy maintenance and reliable X-Y feed.

Lower Thread Winding

The bobbin winder attached to the upper part of the machine can be used to wind the lower thread.

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Direct Drive System Provides Excellent Responsiveness and Comfortable Working Environment

Patent

The optical film for detecting synchro signals and the connected motor control device

High Feed Flate Type by Visor

High Feed Plate Type		A
Sewing Scope		
	X	182mm ~ 202mm
	Y	136mm ~ 160mm

- 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.

creased safety
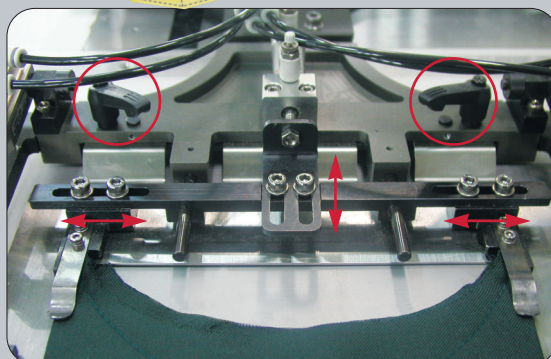
e machine operation and emergency
titches are located at the same place,
that their prompt and convenient use is
ssible.

-Rail Guard

e Y-rail guard and the dust screen can
otect the user from accidents and prevent
mage to the Y-rail and the Y-timing belt.

Outline Size

| B	C
170mm ~ 190mm	165mm ~ 180mm
120mm ~ 144mm	108mm ~ 130mm

Various Sizes of Cap Visor Handling

The simple adjustment of the clamp makes it possible to handle different sizes of cap visors, enhancing the usability of the machine.

Easy Lower Feed Plate Replacement

The feed plate can be replaced by adjusting the hand lever.
Therefore, feed plate replacement-related work efficiency has been improved.
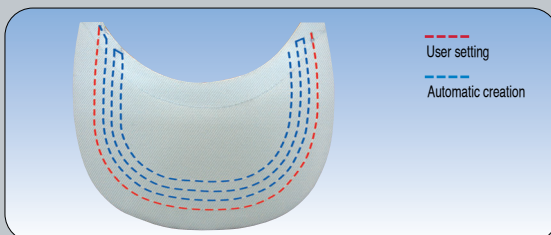
Automatic Creation of Cap Visor Design

Based on the one line created by the user, the remaining lines can be automatically created, making line creation very easy.

---- User setting
---- Automatic creation

>> Operation Panel

SunStar
SPS – SERIES
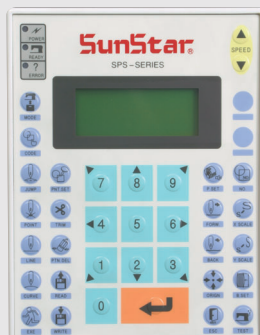
Easy and Simple Operation

- It's very convenient since operator can check data input error and thread cut right away on the monitor.
- Even though you are a 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.

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 transfering, 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.