



# SPS/ E-1507

Sewing Area	
X	150mm
Y	70 mm

Code	Use
G	General materials
H	Heavy materials

**SPS / E - 1507**



Sunstar Pattern System

Series

Code	Use
S	Standard stitch

Code	Feeding Frame Type
10	Magnet-driven feed plate
20	Pneumatic mono-lithic feed plate
21	Pneumatic mono-lithic feed plate with two step stroke device
22	Pneumatic separately-driven feed plate (22-1 : Pneumatic separately-driven feeding frame with two step stroke device)
23	Pneumatic separately-driven feeding frame with inverting clamp device

## Specification

Model	SPS/E - 1507HS - <input type="checkbox"/>	SPS/E- 1507GS - <input type="checkbox"/>
Application	Heavy Materials	General Materials
Sewing Area(X, Y)	150 × 70	
Sewing Speed	Max. 2,700spm(Stitch Length 3mm and Less)	
Stitch Length	0.05~12.7mm(Resolution)0.1~12.7mm	
Needle	DP × 17 #18	DP × 5 #14
Hook	Large Shuttle Hook	
Height of Feeding Plate	Max. 25mm(Pneumatic specifications :Max. 30mm)	
Height of Presser Foot	Servo Step Motor Drive	
Drive of Feeding Plate	Max. 20mm	
Presser Foot Stroke	4mm(2~10mm)	
Trimming Device	Provided	
Wiper	Provided (Automatic Wiper)	
Emergency Switch	Provided	
Memory Device	CF Card	
No. of Patterns	Max. 691 Patterns	
No. of Stitches	Max. 360,000 Stitch	
Enlarging / Reducing	1~400% (0.1% Step)	
Main Motor	Fortuna IV 500W Direct Drive AC Servo Motor	
Feeding System	Feeding by Stepping Pulse Motor	
Power	Free Voltage(110~220)	
Pneumatic	0.49Mpa(5kgf / cm <sup>2</sup> )	

■ 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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AGENT:

Electronically Controlled Pattern Sewing Machine (150mm x 70mm)

# SPS/E-1507 Series





# SPS/E-1507 Series

**SPS/E-1507 is the combination of SunStar's cutting-edge technologies.  
It leads the automated sewing system with step-ahead evolutionary features.**

## >> Outstanding Productivity

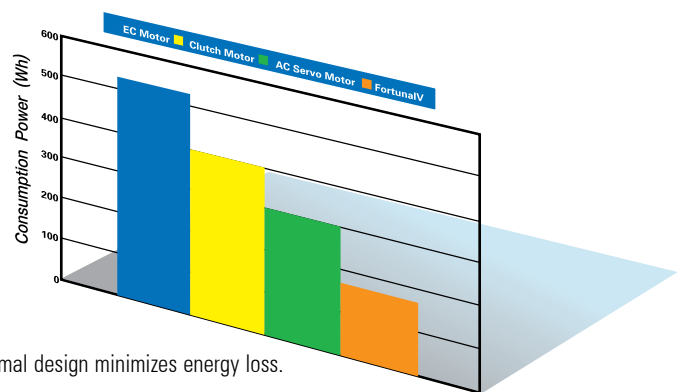
With the maximum speed of 2700smp, it has an outstanding productivity. The use of the motor direct drive brings about the pleasant working environment and reduces the worker's fatigue.

## >> Excellent Needle Penetration

The installation of Fortuna IV 550W guarantees high needle penetration, so that the machine has sufficient power to handle heavy materials sewing.

## >> 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.

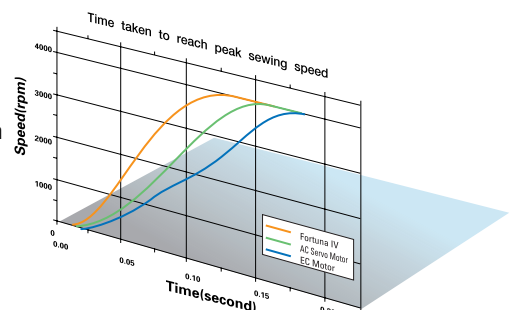


## Direct Drive

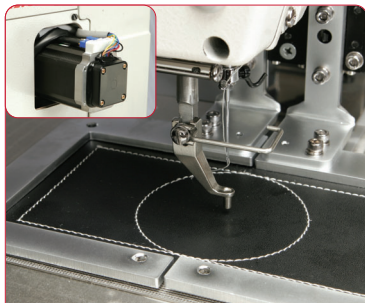


**Equipped with 550W AC Servo Motor, the sewing machine can powerfully handle heavy materials.**

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.

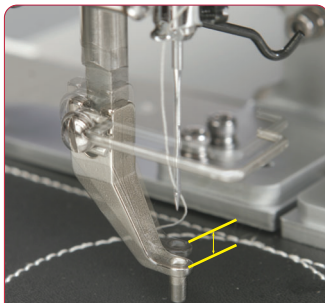


## >> Feature



**Delicate and Precise Sewing Quality Thanks to 0.05mm Feeding**

With full cross control, the X-Y feed can be adjusted at the unit of 0.05mm. This enables precise and delicate sewing, and its benefit is clearly manifested in the sewing of difficult slant lines and curves.



**Adjustment of Presser Foot With Servo Step Motor**

According to the thickness of sewing materials, the presser foot height can be adjusted, and high-quality sewing is guaranteed for sewing materials whose thickness is different.



**Full close step motor-controlled feeding plate**

Users can easily adjust the height of Feeding Plate in line with various sewing conditions from the OP Box.



**Durable and Stable Clamp Structure**

The clamp which does not have any clearance and motion can support the sewing materials in a stable manner and helps produce good-quality sewing outcome.

## >> Operation Box



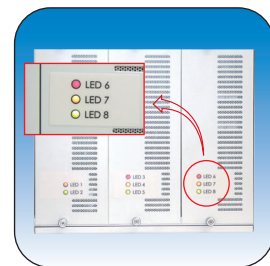
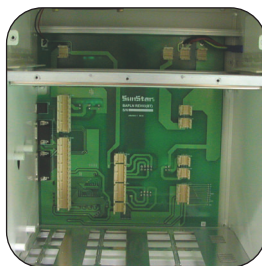
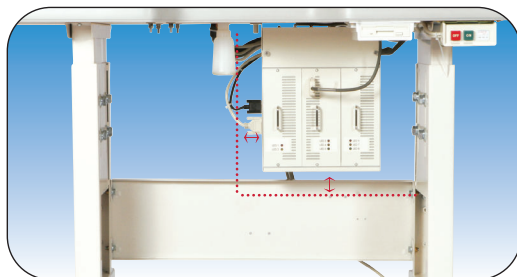
- Various functions can be used by pressing icons, and the setting can be done with one-touch operation. As such, even the first-time users can easily operate the machine.
- Up to 26 patterns can be registered in the memory. There are two function keys, which can combine up to 30 registered patterns. This function enables fast operation.
- The CF card enables a large number of patterns to be stored.

## >> Control Box

- By lightening the control box, the working space under the table has been expanded.

- As a seamless rack type, fewer breakdowns occur, and maintenance becomes easier.

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



## Option

### >> Input Sewing Pattern Design Using of PDA/PC



**User PDA**

SSPDA for PDA Version

Download Method  
1. IrDA Wireless Download  
2. RS-232C Serial Download



**User PC**

SSPDA for PC Version

**Pattern Series**



It is Convenient for Creating Pattern Design Using of PDA or PC  
But, in Case of Wireless, it is Limited to PDA, and a User Needs Special Wireless Adaptor(Optional)