

SPS/D-B1254 Series made by SunStar high technology! Realize more improved and developed automatic sewing system

>> Operation Box



- In the simply designed operation box, various functions, including pattern change, speed change, zoom-in/-out, and bobbin counter setup, are displayed in the icon forms, so that all the functions can be used by touching the icon once.
- 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.

Option

>> Input Sewing Pattern Design Using of PDA/PC



User PDA
SSPDA for PDA Version

Download Method
1. RS-232C Serial Download



User PC
SSPDA for PC Version



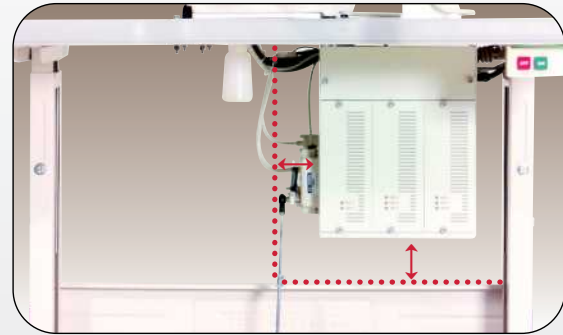
Pattern Series

- Applicable Machine
- SPS-1306 Series SPS-2516 Series
- SPS-1811 Series SPS-5030 Series

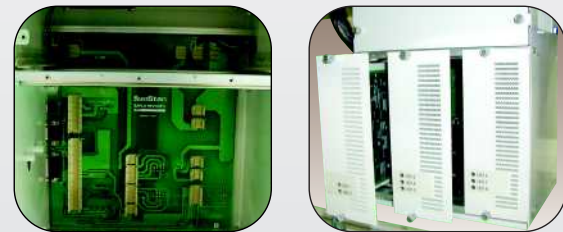
It is Convenient for Creating Pattern Design Using of PDA or PC

>> Control Box Upgrade

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

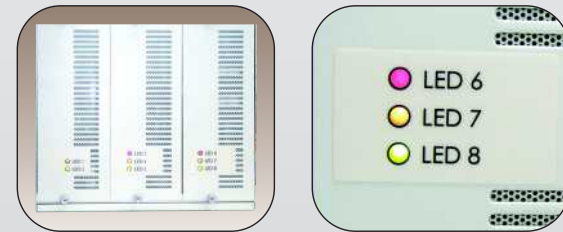


- As a seamless rack type, fewer breakdowns occur, and maintenance becomes easier.



>> Fast Breakdown Check

The power on/off LED enables fast checking of the causes of troubles and A/S services.



- LED 6
- LED 7
- LED 8

Patent

SPS/D-B1254
SPS/D-B1263

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Sunstar Pattern System

Series
D Direct Drive Type

Code	Model
20	Feed plate integrated-typed driving type
22	Feed plate left and right separated-typed driving type

Code	Usage
TH	Pneumatic upper thread holding unit

Hook Type	
BL	Large Shuttle Hook

Model Name(B1254 : 50 × 40mm / B1263 : 60 × 30mm)

Usage	
HA	Pneumatic, Heavy Materials
MA	Pneumatic, General Materials

Specification

Model	SPS/D-B1254HA	SPS/D-B1263HA	SPS/D-B1254MA	SPS/D-B1263MA
Application	Heavy Materials		General Materials	
Sewing Area (X, Y)	50mm × 40mm	60mm × 30mm	50mm × 40mm	60mm × 30mm
Sewing Speed	Max. 2,500spm (Stitch Length is 3mm below)			
Stitch Length	0.1~10mm			
Needle	DP × 17#19 (#19~#23)		DP × 5#16	
Hook	Standard Shuttle Hook (Double Capacity Shuttle Hook : Sub Model)			
Height of Feed Frame	Max. 20mm			
Height of Presser Foot	Max. 20mm			
Thread Trimming	★			
Emergency Stop Switch	★			
Wiper	★ (Electronic Solenoid Type)			
Memory	EP-ROM			
Standard No. of Patterns	56 Patterns			
No. of Patterns	Max. 99 Patterns (Standard 56 Patterns + 43 Patterns)			
No. of Stitches	Max. 10,000 Stitches			
Enlarging / Reducing	20~200% (1% Step)			
Motor	500W Direct Drive AC Servo Motor			
Feeding System	Feeding by Stepping Pulse Motor			
Power	Free Voltage(110V/220V)			
Pneumatic	0.49Mpa(5Kgf/cm ²)			
Option	Needle Cooler / Thread Holding Device			

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

Option

Small and large Button Sewing for Y-Shirt, Blouse, Working Uniform, Lady Clothes, Jacket, Coat (for Two, Three and Four Button Holes)

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Direct Drive, Electronically Controlled
Decorative Pattern Tacking Machine

SPS/D-B1254 Series
SPS/D-B1263 Series



SunStar

SPS/D-B1254 Series SPS/D-B1263 Series

SPS/D-B1254 Series made by SunStar high technology!
Realize more improved and developed automatic sewing system

Excellent Productivity

All mechanism related to sewing such as X-Y transfer, trimming, wiper and presser plate have been studied thoroughly aiming at perfection to realize the maximum speed of sewing of 2,500spm and to manifest a maximum productivity at a working field. And it provides a sewing range of 50mm × 40mm, which is the maximum in the same grade, to be available to do various kinds of works.

Multiple Pattern Supply

This series provides the basic patterns of 56 kinds composing varied sizes and stitch lengths such as Pattern, Bartack, etc in each of usages and it manifests a powerful function quickly in any kinds of sewing works.
(56 basic patterns+43 additional patterns=maximum 99 patterns)

Direct Drive System Provides Excellent Responsiveness and Comfortable Working Environment



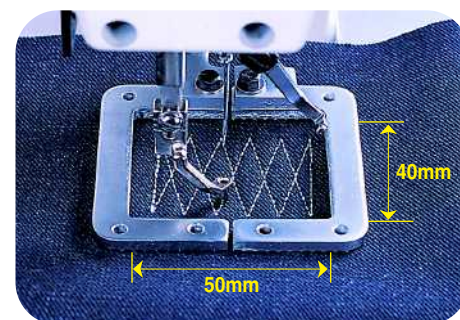
- Direct Drive System, newly developed by SunStar, means the motor is attached to the machine head directly. As the system connects the AC Servo motor to the upper shaft using the coupling, the machine provides improved responsiveness and upgraded stopping accuracy so it is optimum for high quality sewing.
- 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.

>> Stable and Incredible Sewing Mechanism



- Stable and beautiful stitches are realized through the adoption of advanced seam mechanism and installation of highly reliable shuttle hook.
- By excellent X-Y motion control system, you can get a smooth and accurate sewing results. Also this model gives a good quality for such sections as bias or spline.

>> Best Performance



This machine accomplished the best sewing area(50mm × 40mm) for shaping, label attachment, safety belt sewing and complementary.

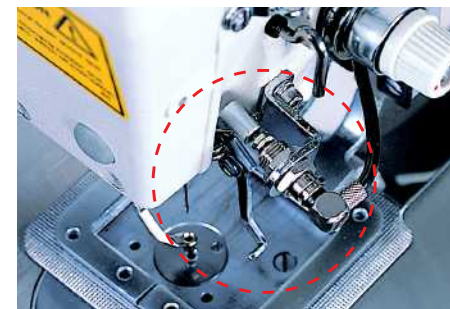
Electronic Wiper Unit ▶

The wiper driven by an electronic solenoid is a device which makes the surfaces of fabrics beautiful in a next work. And On/Off is selectable simply by selecting the parameter.



Upper Thread Holding Device(Optional) ▶

It maintains remaining thread regularly required for sewing of the first stitch regardless of thread type after thread trimming. Therefore it provides stable condition for sewing of first stitch and improves productivity by reducing defective proportion.



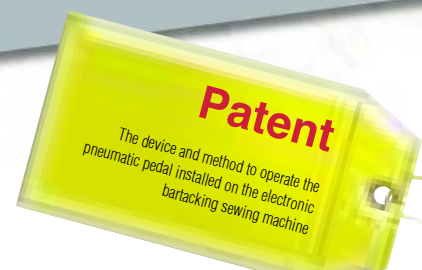
◀SPS/D-B1254□A-20 SPS/D-B1263□A-20

It manifests an excellent function in a pattern work and a Bartack work without any limit of the range of material thickness since the integrated-type feed plate of the basic type can lift up to 20mm at maximum.



◀SPS/D-B1254□A-22 SPS/D-B1263□A-22

It offers every convenience including position control by operating the left and right feed plates separately when inserting sewing materials. And the user's application has been maximized by changing the operating steps of the left and right feed plates freely and making the plates turn into the integrated-type drive freely by selecting a parameter.



>> Bartack Option Table of Patterns

Application NO.	For Heavy and General Materials				
1	2	3	4	5	
Pattern					
No. of Stitches	28	28	36	36	42
Sewing Area X(mm)	10	16	10	16	10
Sewing Area Y(mm)	2	2.5	2	2.5	2

Application NO.	For Heavy and General Materials				
6	7	8	9	10	
Pattern					
No. of Stitches	42	42	42	56	64
Sewing Area X(mm)	16	16	24	24	24
Sewing Area Y(mm)	2	2.5	3	3	3

Application NO.	For Thin Materials			For Knit		
11	12	13	14	15	16	
Pattern						
No. of Stitches	21	28	36	14	21	28
Sewing Area X(mm)	6	6	6	8	8	8
Sewing Area Y(mm)	2.5	2.5	2.5	2	2	2

Application NO.	Straight Line					
17	18	19	20	21	22	
Pattern						
No. of Stitches	21	28	28	36	41	44
Sewing Area X(mm)	10	10	25	25	25	35
Sewing Area Y(mm)	0	0	0	0	0	0

Application NO.	Length Wise				Length Wise Straight Line				Semi Circle	
23	24	25	26	27	28	29	30	31	32	
Pattern										
No. of Stitches	28	36	42	56	18	21	21	28	42	42
Sewing Area X(mm)	4	4	4	4	0	0	0	0	11	11
Sewing Area Y(mm)	20	20	20	20	20	10	20	20	7	7

>> Table of Standard Patterns

No.	Pattern	No. of Stitches	Sewing Area X(mm)	Y(mm)	No.	Pattern	No. of Stitches	Sewing Area X(mm)	Y(mm)
33		75	50	40	34		59	45	29
36		139	50	30	37		159	50	40
39		219	50	40	40		229	50	40
42		397	50	40	43		84	30	30
45		56	33	30	46		56	35	35
48		78	8	35	49		116	31	31
51		136	28	28	52		122	40	28
54		142	40	24	55		65	30	8

- Note)**
1. Pattern No. 33 to No. 56 are for label, waring, etc. works.
 2. Please work Pattern No. 1 to Pattern No. 32 after installing an option gauge suitable to the usage of Bartack work (You should use the standard shuttle hook and the standard bobbin case certainly when doing a Bartack work.) For Pattern numbers of No. 1 to No. 32 and No. 47 to No. 56, use it after adjusting the maximum sewing speed.) (Less than 1,800-2,200spm.)
 3. The status of sewing shall be not uniform according to the kind of sewing materials and other conditions in case of patterns of Bartack works. In this case, please make use of our company's SPS(D)B1201 series.
 4. Besides the above 56 Patterns, it is available to provided with 43 patterns additionally. (Maximum 99 patterns)