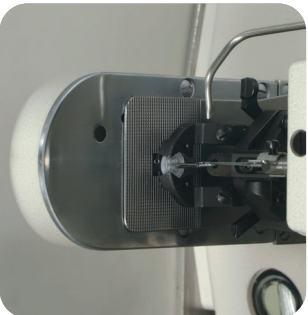


SBF-20

Developed by a technical enhancement of the SBF-10 Ultimate convenience that anyone can use with ease Optimized board and improved control method



Equipped with the thread column device for whipping (Column height: 2~10mm)

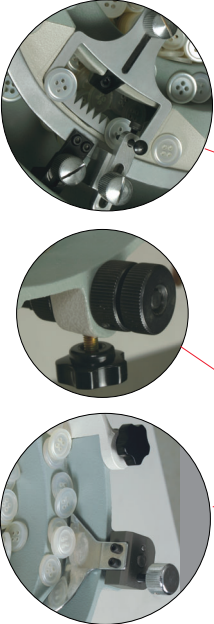
► Automatic Button Feeding System

S B F - 20

Advanced Sewing Type	
Supply & Sorting of Buttons	By Vibrator
Button Feed Mode	Automatic / Semi-Automatic / Manual
Button Size Control	By a Sample Button
Button Supply Mode	Horizontal Feeding System
Compressed Air	0.49MPa (5.0kgf/cm ²)

>> Button sorting device

The 3-layer button sorting device is installed on the button container. In any circumstances, buttons can be sorted out.



>> Fast Embroidering



The button feed length and height can be adjusted simultaneously depending on button shapes. It has the most optimized structure in the world for the sewing work requiring frequent button change.

The conveyor belt-type button feed device has been adopted to enhance convenience in button changes and completely eliminate restrictions in using different sizes of buttons.



>> Operation box



The operation box is easy and convenient to operate, as the board has been optimized and the control methods have improved.

* Attachment is available to other firm Maker's Button Sewing M/C. (Option)

SPS/B-B1202 SPS/A-B1202

SPS / B(A) - B1202

Sunstair Pattern System Type		Series	
B	Direct Drive Type	A	Belt Drive Type
Model Name(Button Sewing Machine)			

Code	Button Size	Wiper Type
01	Small Size Button(ø 8~ø 20)	Mechanical
02	Large size Button(ø 8~ø 32)	Mechanical
03	Small & Large size Button(ø 8~ø 32)	Solenoid

Specification

Model	SPS/B(A)-B1202-01	SPS/B(A)-B1202-02	SPS/B(A)-B1202-03
Application	Small Size Button	Large Size Button	Small & Large Size Button
Wiper Type	Mechanical Wiper	Mechanical Wiper	Solenoid Wiper
Button Size	ø 8~ø 20	ø 8~ø 32	ø 8~ø 32
Sewing Area	X : 6.5mm, Y : 6.5mm		
Sewing Speed	Max. 2,500spm(Standard : 2,200 spm)		
Needle	DP × 17 #14		
Hook	Standard Shuttle Hook		
Lift of Button Clamp	Max. 13mm		
Trimming Device	Provided		
Memory	EP-RQM		
No. of Patterns	Max. 99 Patterns (Standard 33 Patterns)		
No. of Stitches	10,000 Stitches		
Enlarging/Reducing	20~200%		
Main Motor	SPS/B Series : 500W Direct Drive AC Servo Motor		
Feeding System	SPS/A Series : 550W AC Servo Motor		
Power	Feeding by Stepping Pulse Motor 1-Phase 100V~240V, 3-Phases 200V~440V, 50/60Hz		

Application

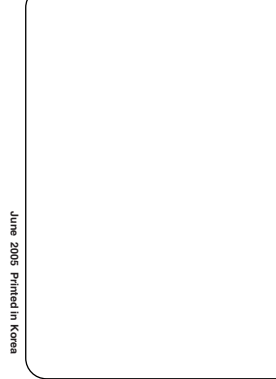
Snail and large Button Sewing for Y-Shirt, Blouse, Working Uniform, Lady Clothes, Jacket, Coat (for Two, Three and Four Button Holes)

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

Sunstair SUNSTAR MACHINERY CO., LTD.

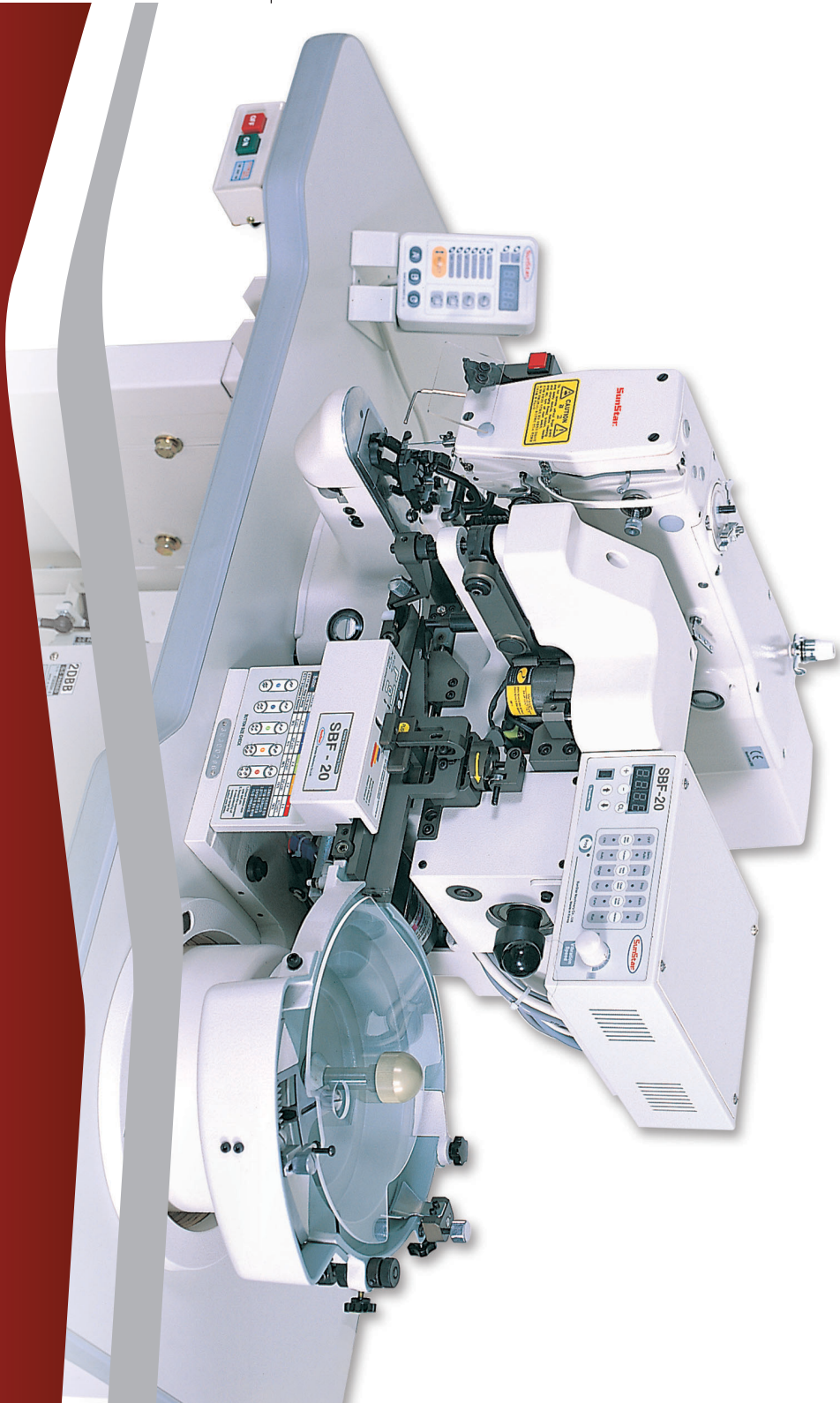
SPS / B(A) - B1202/TRADE OFFICE		OVERSEAS NETWORK	
# 175-4HONGKONG, HONGKONG(SH-JK)WINGHEON, KOREA		SUNSTAR TIANJIN BRANCH	
TEL : (82-32)580-5740-60 FAX : (82-32)584-3025-6		TEL : 86-22-2445-8882 FAX : 86-22-2445-2400	
WEB-SITE		SUNSTAR HONGKONG LTD.	
http://www.sunstair.co.kr		TEL : 852-2729-7078 FAX : 852-2729-7573	
		SUNSTAR GUANGDONG BRANCH	
		TEL : 86-769-249-1610 FAX : 86-769-234-4042	
		SUNSTAR GUANGDONG BRANCH	
		TEL : 86-769-249-1610 FAX : 86-769-234-4042	
		SUNSTAR U.S.A. INC.	
		TEL : 1-305-591-9596 FAX : 86-555-659-8872	
		SUNSTAR HONGKONG OFFICE	
		TEL : 84-8-817-0302 FAX : 84-8-817-0302	
		SUNSTAR HANOI BRANCH OFFICE	
		TEL : 84-4-734-0288 FAX : 84-4-734-0278	
		SUNSTAR MANILA OFFICE	
		TEL : 63-2-424-2400 FAX : 91-124-280-3007	
		SUNSTAR JAKARTA BRANCH OFFICE	
		TEL : 62-21-4584-5517 FAX : 62-21-451-3870	

AGENT:



Electronically Controlled Lock Stitch Button Sewing Machine with an Automatic Button Feeder

SPS/B(A)-B1202 / SBF-20



Sunstair®

SPS/B(A)-B1202

SPS/B(A)-B1202 made by SunStar high technology!
Realize more improved and developed automatic sewing system



>> Various Patterns

This machine basically provides 33 patterns of electronic control in comparison with mechanical button sewer types, which is exchanged by a cam upon change of patterns, and can reduce and extend the sewing range with simple operation to easily cope with various sewing conditions.

Option : Button spacer(Ass'Y)
It enhances convenience by making button sewing at the same distance possible.



>> Excellent Operation Box

The operation box, which is moved and installed according to sewing environment, can operated with one-touch various functions such as pattern selection, speed change, reduction, extension and bobbin counter. Also, general and normal patterns are available to use for registration and one-touch-call through three function keys, and quickly performs cycle work combining with various patterns.



>> Excellent Productivity and High Quality

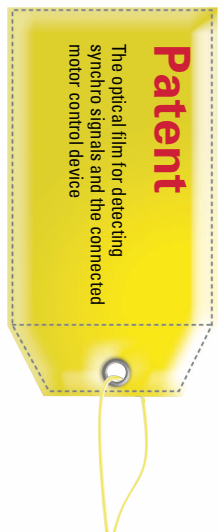
Realizing the Max. sewing speed with 2,500spm, easily adjusting and changing button clamp, the button sewing M/C experts on the excellent performance not only small production of various types but also mass production.
This machine is provided with high quality as the loosen thread is prevented by Bartrack sewing after done each sewing.

>> Easy Maintenance

This machine is minimized of mechanical noise by deleting feed cam and cut off system for emergency stop like old model, and facilitates its maintenance.

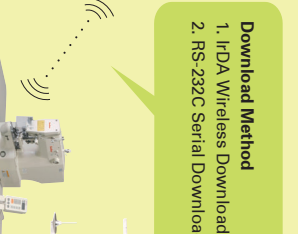
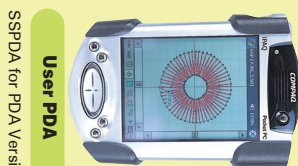


SPS / B(A) - B1202 - 03
Equipped with the solenoid-type wiper



Option

>> Input Sewing Pattern Design Using of PDA/PC



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

User PDA
SSPDA for PDA Version

User PC
SSPDA for PC Version

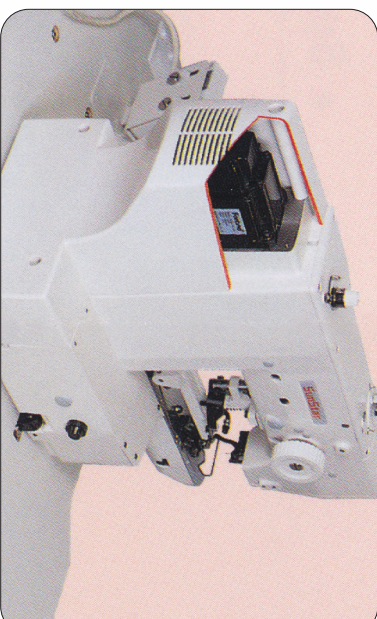
Applicable Machine
SPS 1306 Series
SPS 1611 Series
SPS 5030 Series

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)



>> 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. (SPS/B-B1202)
. 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.



>> Pattern List

Pattern No.	Pattern	No. of Threads	Sewing Area		Pattern No.	Pattern	No. of Threads	Sewing Area	
			X (mm)	Y (mm)				X (mm)	Y (mm)
1		6-6	3.4	3.4	18		6	3.4	0
2		8-8	3.4	3.4	19		8	3.4	0
3		10-10	3.4	3.4	20		10	3.4	0
4		12-12	3.4	3.4	21		12	3.4	0
5*		6-6	3.4	3.4	22		16	3.4	0
6*		8-8	3.4	3.4	23		6	0	3.4
7*		10-10	3.4	3.4	24		10	0	3.4
8*		12-12	3.4	3.4	25		12	0	3.4
9		6-6	3.4	3.4	26		6-6	3.4	3.4
10		8-8	3.4	3.4	27		10-10	3.4	3.4
11		10-10	3.4	3.4	28		6-6	3.4	3.4
12		6-6	3.4	3.4	29*		10-10	3.4	3.4
13		8-8	3.4	3.4	30*		5-5-5	2.9	2.5
14		10-10	3.4	3.4	31		8-8-8	2.9	2.5
15*		6-6	3.4	3.4	32		5-5-5	2.9	2.5
16*		8-8	3.4	3.4	33		8-8-8	2.9	2.5
17*		10-10	3.4	3.4					

Note) 1. Standard Sewing lengths (X and Y) given above are given assuming that scale is 100%
2. In case of the pattern of " * " mark of Sewing Pattern No., a thread is trimmed after finish of first sewing to remove a line through sewing patterns.
. In case of SPS/B(A)-B1202-01 and 02, press the pedal once more after finish of first sewing, or continuously press and release the pedal until second sewing begins.
. In case of SPS/B(A)-B1202-03, just one time pressing of the pedal will do.