

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

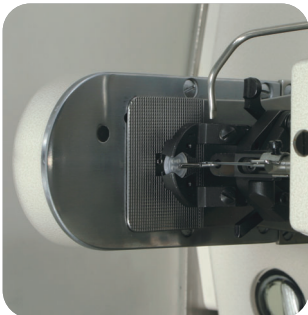
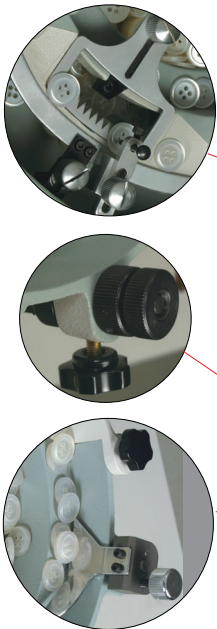
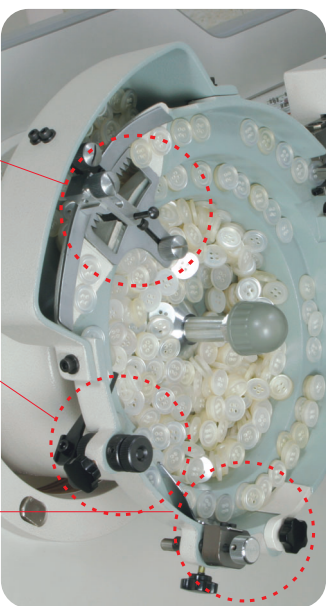
Automatic Button Feeding System

SBF-20

Specification	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.



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

>> 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/E-BR1202-01

SPS / E - B 1202

Sunstar Pattern System			
Series			
Code	Type	Code	Button Size
S	Shuttle Hook	01	Small Size Button
R	Footy Hook	02	Large Size Button
		03	Small & Large Size Button

Specification

Model	SP S/BR(S) -1202-01	SP S/BR(S) -1202-02	SP S/BR(S) -1202-03
Application	Small Size Button	Large Size Button	Small & Large Size Button
Wiper	Motor Type		
Button Size	φ8 ~ φ32		
Sewing Area(X, Y)	X : 6.5mm Y : 6.5mm		
Sewing Speed	Max. 2700 spm		
Needle	DP-X17#23(19~23)		
Hook	Double Footy Hook / Shuttle Hook		
Height of Presser Foot	Max. 13mm		
Trimming Device	Electronic Solenoid Type		
Memory	EP-ROM		
No. of Patterns	Max. 99 Patterns(Standard 33 Patterns)		
No. of Stitches	Max. 10,000 Stitches		
Enlarging/Reducing	20~200%		
Feeding System	R-Ø(Use Step Motor)		
Motor	500W Direct Drive AC Servo Motor		
Power	Free Voltage(110V / 220V)		

Option

>> Input Sewing Pattern Design Using of PDA/PC

Download Method

1. HDA Wireless Download
2. RS-232C Serial Download

User PDA

SPSDA for PDA Version

User PC

SPSDA for PC Version

Bar tack Series

- Applicable Machine
- SPS-1201 Series
- SPS-1202 Series
- SPS-1203 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(Option)

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

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

SPS/E-BR1202



SPS/E-BR1202 Series

SPS/E-BR1202 Series made by SunStar
high technology!
Realize more improved and developed
automatic sewing system

>> Pleasant Working Environment

It can offer a pleasant and quiet working condition since V-belt is not used.

>> Outstanding Productivity

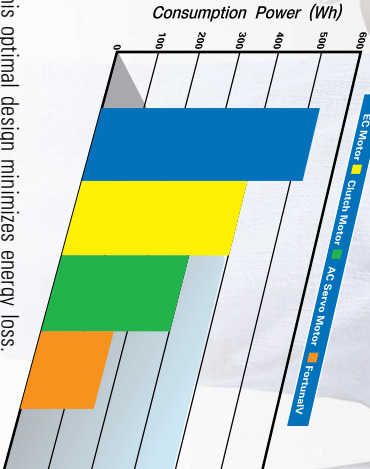
It has the maximum speed of 3200spm, and the direct-motor method enables users to feel less fatigued.

>> Multiple Pattern Supply

You can have 32 basic patterns at the time you purchase this machine. Basic patterns contain various stitches and sizes including large, medium, small and straight line barking. Also, you can see speedy and powerful performance under any kind of condition. (32 basic patterns+67 additional patterns=maximum 99 patterns)

>> Energy Efficiency

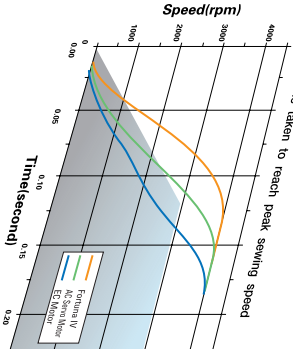
SunStar's Direct Drive AC Servo Motor directly sends power to the upper shaft. This optimal design minimizes energy loss. Compared with existing AC Servo motors, it consumes much less energy.



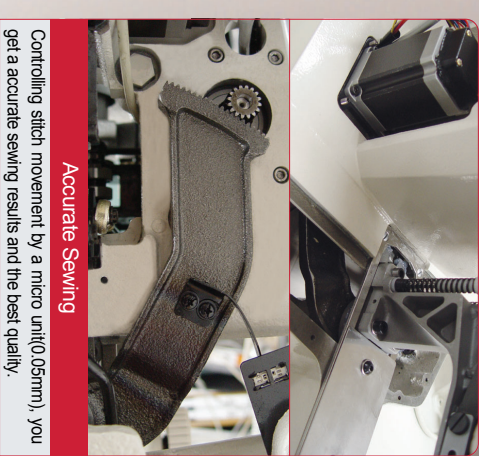
Direct Drive

Equipped with 500W 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



Accurate Sewing
Controlling stitch movement by a micro unit(0.05mm), you get a accurate sewing results and the best quality.



Improved Lubrication System-Semi-Dry
A hermetically sealed oil tanks helps a lubrication to hook.



Max Speed 3200spm
Higher productive with the most fastest sewing speed



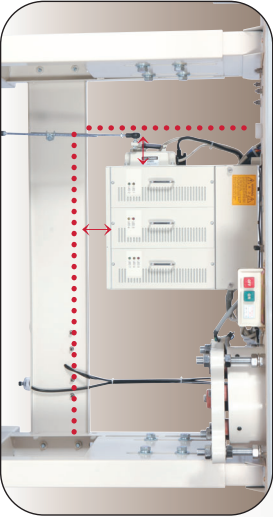
Upgraded Presser Foot System
The motor adopts step control movement.

>> Operation Box



>> 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.



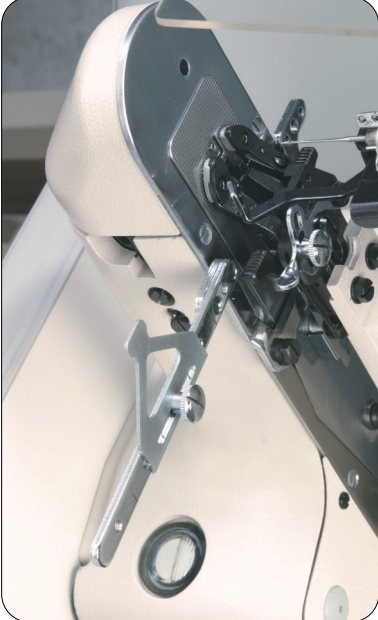
>> Easy Maintenance

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.



Option : Button spacer(Ass'Y)

It enhances convenience by making button sewing at the same distance possible.



>> 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 turned after finish of first sewing to remove a line through sewing patterns.
In case of SPS/BA1202-01 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/BA1202-03, just one time pressing of the pedal will do.