

SPS / HT - 5050 B1 Series

Electronically Controlled, Head Turning,
Pattern Sewing Machine.
(Bridge type)

>> Bridge Type

SPS / HT- □□□□□ BI- 01

Sunstar Pattern System

Head Turning S/M

Number of Needles	
01	1 Needle
02	2 Needle
B1	Bridge Type 1 (with Frame X-Y Feeding Mech)
B2	Bridge Type 2 (with Frame X Feeding, Frame Y Feeding Mech)

Sewing Area		
5050	X = 500mm	X = 500mm
8050	X = 800mm	X = 500mm
50100	X = 500mm	X = 1000mm
80100	X = 800mm	X = 1000mm

Specification

MODEL	SPS/HT-5050B1	
Sewing Area	5050 : X=500mm X Y=500mm	8050 : X=800mm X Y=500mm
	50100 : X=500mm X Y=1000mm	80100 : X=800mm X Y=1000mm
Sewing speed(spm)	Max : 2200spm (Commercial : 2000spm)	
Stitching Length	0.05~12.7	
Needle bar stroke	41.1mm	
Needle	DPX17 , DPX5	
Presser foot stroke	22mm	
Arm lift	50mm	
Rotary hook	Full Rotary Hook (2.5 times)	
Storage media	USB Port	
Motor (Reduction gear ratio)	Main drive	Main shaft motor: 750W/ Lower shaft motor: 500W
	X-feed drive	X : 750w
	Y- feed drive	Y : 1.5Kw
	Rotation	1Kw (7.5 : 1)
Air pressure	4.5~5.5Kg/cm ² (0.44~0.5MPa)	
Voltage	Rated±10% 50/60Hz	
Power	600VA	
Wight	820 Kg	

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

OVERSEAS MARKETING DIVISION

#178-212, GAJWA-DONG, SEO-GU,
INCHEON, KOREA
TEL: 82-32-580-5741~60 FAX: 82-32-584-3025~6

OVERSEAS NETWORK

| SUNSTAR U.S.A. INC |
TEL: 1-305-591-9596 FAX: 1-305-591-0661
| SUNSTAR DO BRASIL LTDA |
TEL: 55-11-3362-3434 FAX: 55-11-3362-3444
| SUNSTAR MACHINERY EUROPE GMBH |
TEL: 43-2236-660-229 FAX: 43-2236-660-2293
| SUNSTAR MACHINERY (SINGAPORE) PTE LTD. |
TEL: 65-6227-7545 FAX: 65-6227-7905
| SUNSTAR JAKARTA BRANCH OFFICE |
TEL: 62-21-4586-5839 FAX: 62-21-4586-5840
| SUNSTAR DHAKA BRANCH OFFICE |
TEL: 88-02-881-9153 FAX: 88-02-883-5707
| SUNSTAR CHITTAGONG BRANCH OFFICE |
TEL & FAX: 88-031-255-2497

OVERSEAS NETWORK

| SUNSTAR BANGALORE BRANCH OFFICE |
TEL: 91-80-2653-0365~6 FAX: 91-80-2653-0367
| SUNSTAR DELHI BRANCH OFFICE |
TEL: 91-11-4057-4207/4209
FAX: 91-11-4057-4235
| SUNSTAR HOCHIMINH BRANCH OFFICE |
TEL: 84-8-3592-3703 FAX: 84-8-3592-3704
| SUNSTAR HANOI BRANCH OFFICE |
TEL: 84-4-3783-1446 FAX: 84-4-3783-4533
| SUNSTAR MACHINERY(SHANGHAI)CO.,LTD. |
TEL: 86-21-6957-6308-6312
FAX: 86-21-6957-6092
| SUNSTAR MACHINERY(SHANGHAI)CO.,LTD. |
TEL: 86-21-6353-2233 FAX: 86-21-6353-8640
| SUNSTAR HANGZHOU BRANCH OFFICE |
TEL: 86-571-8577-9477 FAX: 86-571-8577-9478
| SUNSTAR NANJING BRANCH OFFICE |
TEL: 86-25-8459-4758 FAX: 86-25-8459-4408

| SUNSTAR HEFEI BRANCH OFFICE |
TEL: 86-551-424-8000 FAX: 86-551-424-8000
| SUNSTAR QINGDAO BRANCH OFFICE |
TEL: 86-532-6691-1991 FAX: 86-532-6691-2262
| SUNSTAR ZHENGZHOU BRANCH OFFICE |
TEL: 86-371-8606-8393 FAX: 86-371-8606-8393
| SUNSTAR SHENYANG BRANCH OFFICE |
TEL: 86-24-2366-3268 FAX: 86-24-2366-3268
| SUNSTAR TIANJIN BRANCH OFFICE |
TEL: 86-22-6089-1737 FAX: 86-22-6089-1737
| SUNSTAR DONGGUAN BRANCH OFFICE |
TEL: 86-769-2249-1610 FAX: 86-769-2234-4042
| SUNSTAR SHISHI BRANCH OFFICE |
TEL: 86-595-8858-8814 FAX: 86-595-8855-7874

| SUNSTAR NANCHANG BRANCH OFFICE |
TEL: 86-791-384-9667 FAX: 86-791-384-9663
| SUNSTAR NANNING BRANCH OFFICE |
TEL: 86-771-386-6432 FAX: 86-771-386-7432
| SUNSTAR WUHAN BRANCH OFFICE |
TEL: 86-27-8375-3080 FAX: 86-27-8375-0371
| SUNSTAR CHENH DU BRANCH OFFICE |
TEL: 86-28-8311-7620 FAX: 86-28-8312-7620

WEB - SITE

<http://www.sunstar.co.kr>

E - MAIL

marketing@sunstar.co.kr



Find your Solution
SunStar®



SPS / HT - 5050 B1 Series

Electronically Controlled, Head Turning,
Pattern Sewing Machine.
(Bridge type)

www.SewTrain.com

Collier Equipment Co.
100 Mill Creek Circle / PO Box 175
Lexington, AL 35648
Ph: (256) 229-6595 <> Fx: (256) 229-6779
Email: Parts@CollierEquipment.com

SunStar SunStar CO., LTD.



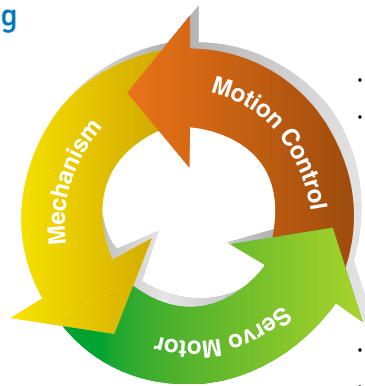
SPS / HT - 5050 B1 Series

Electronically Controlled Head Turning,
Pattern Sewing Machine (Bridge type)

SunStar develops a Head Turning Machine that can make stitch in perfect at the maximum speed of 2200spm with over 30 years' worth of know-how about the motion control and industrial AC Servo development as SunStar's background.

>> CNC Head Turning

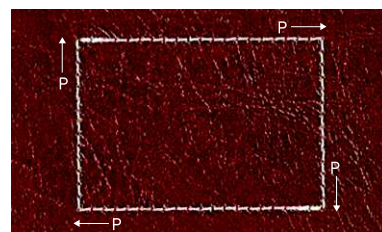
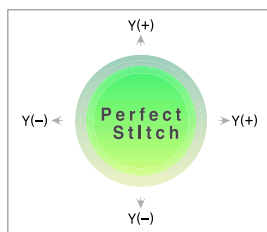
- Sewing Machine
- Embroidering machine
- 3D Modeling
- Structural Analysis



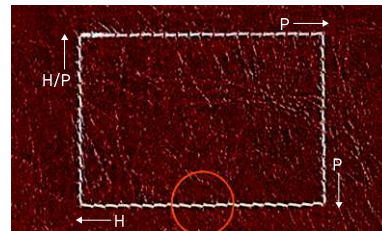
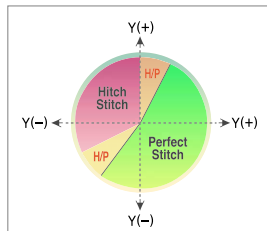
- Pattern Sewing M/C
- Embroidering machine
- Fortuna Series
- 1.5Kw A/C Servo Motor

>> Perfect Stitch

1) Realizing perfect stitch in all sewing area of Head Turning M/C



Head Turning M/C



Pattern M/C

>> Graphic Operation Panel



- 6.4-inch wide screen TFT Graphic LCD : Very clear compared to the products of other companies.
- Fast operation by the Key Type.
- Operation and input function can be used all.

· Modification is possible by using Zoom in / Zoom out function during the editing process.

>> Rack-type Control Box



This is designed to check and replace easily when the error occurred by installing main drive and X-Y drive separately.

>> Upper Thread Sensor System



This minimizes the malfunction by detecting the upper thread cut and supply through the sensor.

>> The 3rd regulator



The realization of stable stitch is possible because the thread tension can be adjusted for the sewing quality of the specific work place.



>> Head Up / Down System

This makes various sewing works easily by securing the additional work area when sewing thick materials through the Head Up/Down.



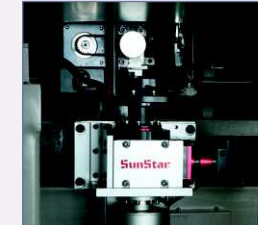
>> Independent Rotation Structure of Head & Bed

The sophisticated sewing is possible because the independent rotation structure of Head & Bed makes perfect stitch possible to all the working section.



>> Accurate Motion Control of Head & Bed

The errors of the rotation according to the independent rotation of Head & Bed are minimized by controlling the rotation angle of 0.1°.



>> Presser foot Fine-tuning Mechanism

The stable sewing quality is realized by moving presser foot up and down with fine-tuning a presser foot using the motor.



>> Adoption of 2.5 times hook and automatic hook lubrication

Work productivity has increased by minimizing frequent bobbin exchange cycles when sewing large patterns. Consumers' convenience and machine durability is increased with automatic hook lubrication.



>> Emergency Stop Switch

An emergency stop switch is installed on the optimal place within the work scope for the consumers' safety and the protection of the machine.



>> Application of USB Port

Easy data entry and mass pattern data input are available through applying the application of USB port.