SPS/F-2516/3020 SERIES

Electronically controlled, pattern sewing machine

SPS / F - 3020 ■ - H S - ■

SPS	/ F	– 3020	■	– H	S
SunStar pattern series	Series: F	Sewing area: 3020 300mm x 200mm; 2516 250mm x 160mm	Application: None Standard; J Jean	Application: G Medium material; H Heavy material	Stitch: S Standare stitch

– ■

Feed plate type	
20	Pneumatic monolithic feed plate
22	Pneumatic separately-driven feed plate

⊙ Specification

Model		2516		3020	
		SPS/F-2516G	SPS/F-2516H	SPS/F-3020G	SPS/F-3020H
Application [material]		Medium	Heavy	Medium	Heavy
Max. sewing speed [spm]		2,700	2,700	2,700	2,700
Stitch length [mm]		0.05~12.7	0.05~12.7	0.05~12.7	0.05~12.7
Lift of the presser foot [mm]	Auto	20	20	20	20
Lift of the feed frame		30	30	30	30
Needle bar stroke [mm]		41.2	41.2	41.2	41.2
Sewing area [mm]	X	250	250	300	300
	Y	160	160	200	200
No. of input patterns		2,100	2,100	2,100	2,100
No. of input stitches		360,000	360,000	360,000	360,000
Needle		DPx17, DPx5	DPx17, DPx5	DPx17, DPx5	DPx17, DPx5
Hook	Drive type	Shuttle	Shuttle	Shuttle	Shuttle
	Position	Vertical	Vertical	Vertical	Vertical
	Capacity	x2	x2	x2	x2
Lubrication		Semi-auto	Semi-auto	Semi-auto	Semi-auto
Thread roll		○	○	○	○
Auto thread trimming		○	○	○	○
Feeding system		Pulse motor	Pulse motor	Pulse motor	Pulse motor
Motor		Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)

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

OVERSEAS MARKETING DIVISION

SUNSTAR CO., LTD.

#178-212, Gajwa-dong, Seo-gu, Incheon, Korea
tel: 82-32-580-5600 fax: 82-32-584-3020

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 EUROPE INTERNATIONAL GMBH |
tel: 49-521-5849930 fax: 49-521-58499329

| SUNSTAR BELARUS OFFICE |
tel: 375-17-237-1834

OVERSEAS NETWORK

| SUNSTAR MACHINERY SINGAPORE PTE LTD. |
tel: 65-6227-7545 fax: 65-6227-7905

| SUNSTAR BANGALORE BRANCH OFFICE |
tel: 91-80-2653-0365~6 fax: 91-80-2653-0367

| SUNSTAR DELHI BRANCH OFFICE |
tel: 91-120-4560057~8 fax: 91-120-4560059

| SUNSTAR DHAKA BRANCH OFFICE |
tel: 88-02-881-9153 fax: 88-02-883-5707

| SUNSTAR CHITTAGONG BRANCH OFFICE |
tel: 88-031-255-2497 fax: 88-031-255-2497

| SUNSTAR JAKARTA BRANCH OFFICE |
tel: 62-21-4586-5839 fax: 62-21-4586-5840

| SUNSTAR HOCHIMINH BRANCH OFFICE |
tel: 84-8-3592-3703 fax: 84-8-3592-3704

| SUNSTAR HANOI BRANCH OFFICE |
tel: 86-21-6957-6308 fax: 86-21-6957-6449

|SUNSTAR MACHINERY SHANGHAI CO.,LTD.
tel: 86-21-6957-6308 fax: 86-21-6957-6449

|SUNSTAR QINGDAO BRANCH OFFICE
tel: 86-532-6691-1991 fax: 86-532-6691-2262

|SUNSTAR NANJING BRANCH OFFICE
tel: 86-25-8459-4758 fax: 86-25-8459-4408

|SUNSTAR HANGZHOU BRANCH OFFICE
tel: 86-571-8577-9477 fax: 86-571-8577-9478

|SUNSTAR DONGGUAN BRANCH OFFICE
tel: 86-769-2249-1610 fax: 86-769-2234-4042

|SUNSTAR AR ANHUI BRANCH OFFICE
tel: 86-551-424-8000 fax: 86-551-424-8000

|SUNSTAR ZHENGZHOU BRANCH OFFICE
tel: 86-371-8606-8393 fax: 86-371-8606-8393

|SUNSTAR TIANJIN BRANCH OFFICE
tel: 86-22-6249-6150 fax: 86-22-6089-1737

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|SUNSTAR SHENYANG BRANCH OFFICE
tel: 86-24-2375-1329 fax: 86-24-2375-1329

|SUNSTAR WUHAN BRANCH OFFICE
tel: 86-27-8375-3080 fax: 86-27-8375-0371

WEB - SITE

www.sunstar.co.kr

NNS TEAM
tel: **82-32-580-5740**
e-mail: nnssdms1@sunstar.co.kr

SunStar SunStar CO., LTD.

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PATTERN



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SunStar®

SPS/F-2516/3020 SERIES

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FEATURES

01



J Type

J Type is able to perfectly handle jeans' back-pocket pattern sewing.

02



Graphic operation box (Optional)

1. 6.4" large TFT graphic LCD
2. Keypad-based quick operation
3. Use for operation and input purposes
4. The zoom in/out function

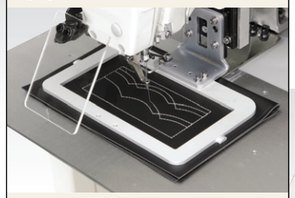
03



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 USB memory enables a large number of patterns to be stored.

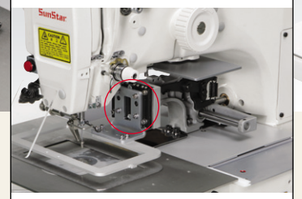
04



Delicate and precise sewing quality by 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 consequently it can produce the better sewing stitch at difficult slant lines and curves.

05



Durable and stable clamp structure

Durable and Stable Clamp Structure can support the sewing materials in a stable manner and helps to produce good-quality sewing outcome.

06



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.



Energy efficiency

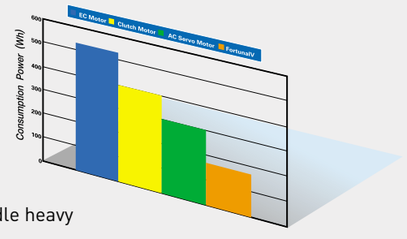
SunStar's direct drive AC servo motor directly sends power to the upper shaft. This optimal design minimizes energy loss. Compared with existing AC Servo motors, it consumes much less energy.

Outstanding productivity

With the maximum speed of 2700spm(Heavy materials 2,000spm), 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

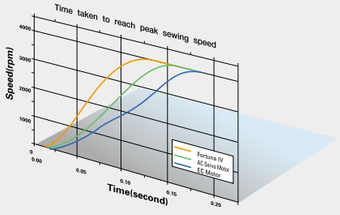
The installation of Fortuna IV 550W(Heavy materials 750W) guarantees high needle penetration, so that the machine has sufficient power to handle heavy materials sewing.



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.



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

