

B. Main Control Features

Easy and simple to operate

- The LCD screen allows understanding of setup and program data input status at a glance.
  Therefore the sewing data input state and errors such as thread breaks can be conveniently checked.
- The dialogue menu makes entry operation effort-free even to the first machine users.
- Frequently used command keys are turned into icons and deployed in the entry mode. This has reduced entry time.
- With no need of additional entry device, only the control panel is necessary for machine operation and program setup.
  It allows more convenient operation to machine users.

Superior scalability

- Extra input/output ports are installed outside the control box, so that when attaching accessories or air-pressure devices, machine retooling is unnecessary.
  The power supply type can be easily changed only by altering the location of connector inside the control box.

Major input function

- Can input straight line, circular arc, spline and circular stitch.
- Zigzag, offset, auto (Backtack), choice among different stitches including double forward/backward stitch, simplified stitch & overlap stitch, and the editing functions including copying, removal, symmetry, and zoom-in/zoom-out.
- Can change the sewing speed and jump speed.
- Can input data use of function number.



SPS/C-5050H

SPS / C - 50 50 H

- SPS — Sunstar Pattern System
- C — Series
- 50 — X-Direction Sewing Area 500mm
- 50 — Y-Direction Sewing Area 500mm
- H : Heavy

Specification

Sewing Area		X : 500 mm, Y : 500 mm
Sewing Speed		Max. 2300 spm (Stitch Length : 3mm or below)
Stitch Length		0.1~12.7mm
Needle Bar Stroke		41.2mm
Needle		DP×17 , DP×15
Height of Feed Plate		80mm
Presser Foot Stroke		Standard 4mm(0.7~7mm)
Height of Presser Foot		22mm
Hook		Full rotary large hook
Memory Device		3.5" floppy disk (2HD) storage : Max. 691 patterns / diskette
Safety Device	**Emergency Stop Function**	Emergency stop during sewing
	Max. Speed Limit	Speed can be controlled at the range from 180 to 2500 spm with the external controlling switch
Pattern Selection Function		Choose desired pattern numbers from 1 to 999
Thread Trimming		Rotary mes thread trimming
Memory Backup		Work points are stored in memory when sewing is stalled due to power outage
2nd Original Point Function		Set the needle position during sewing by using jog key
Feed Plate Transfer Method		Transfer by servo motor
Main Motor		Upper-shaft drive motor 500W Servo motor
		Lower-shaft drive motor 400W Servo motor
Voltage		Rated voltage ±10%, 50/60㎐
Power Consumption		600VA
Proper Operating Temperature		5℃ ~ 40℃
Proper Operating Humidity		20%~80%
Used Air Pressure		5.0~5.5kgf/㎠(0.49~0.54㎫)

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

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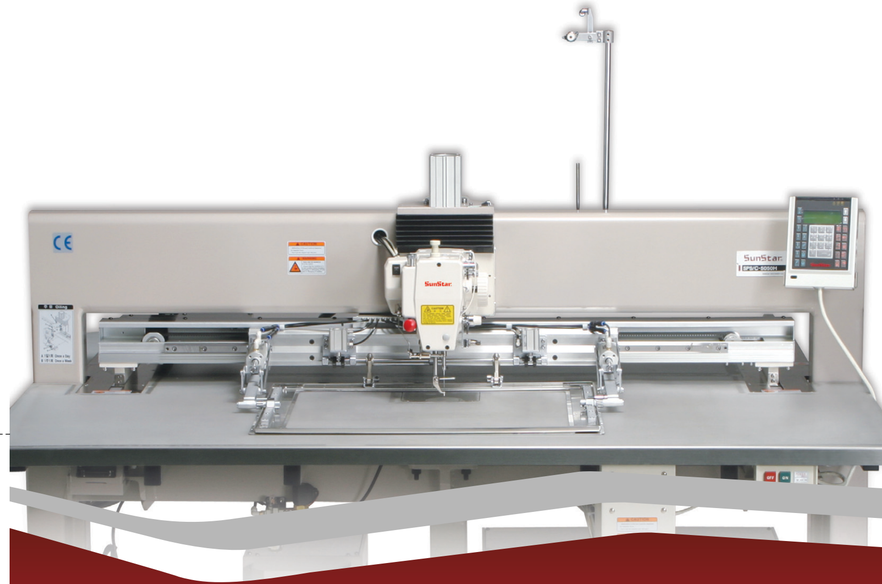
AGENT:

December 2005 Printed in Korea

W24H The Spirit of Service

Independent Direct Drive, Electronically Controlled Pattern Sewing Machine

SPS/C-5050H (500 × 500)
SPS/C-8050H (800 × 500)



SunStar

SPS/C-5050H

World First Innovative Concept for Large Pattern Sewing [Patent Granted]

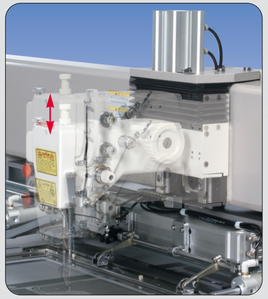
1. Overcomes the limit in handling large sewing materials
2. Flexibly expendable depending on consumer demands
3. Overcomes the difficulty in handling heavy materials



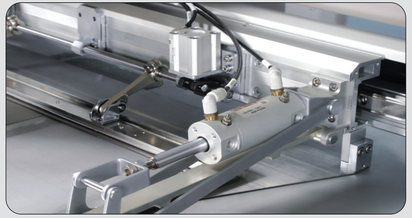


>>Structural Features

A. Ideal for Handing Heavy Materials



Head lifter
The air cushion-imbedded cylinder and the LM-guide for even weight distribution help lift arm in a stable manner. When dealing with heavy sewing materials, 50mm sewing range can be secured. It makes various types of works carried out easily.



Clamp for sewing materials
Equipped to lift the press plate by 80mm, the large-capacity press cylinder, and the auxiliary cylinder, it is optimized to handle heavy sewing materials.

B. Ready for Multiple Conditions



Cassette type
The cassette we offer is more simplified and durable.
When a palette is inserted, it is automatically detected by sensor and operated. As such, it is safe and conductive to higher productivity.

Easily applicable
It can be rearranged for consecutive handling of large materials with special purposes. It can easily host application devices and other functions as well.

C. Link with the Automobile Air Bag Sewing Dedicated System[Optional]

When dealing with large cassette such as vehicle air bags, it can be linked with the palette exchange device, significantly improving productivity.

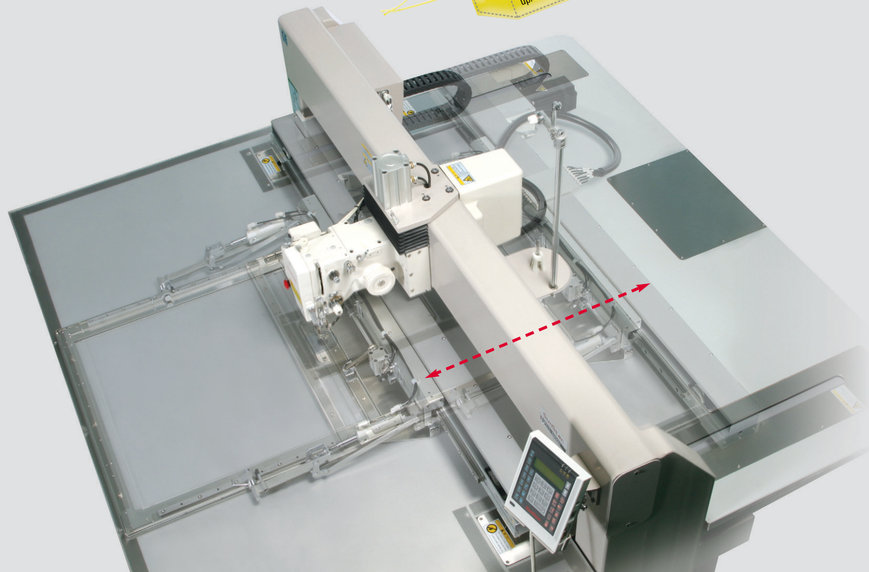
D. Low Vibration / Silent Operation

Optimally designed for high-speed operation, the sewing machine produces low vibration and little noises during fast operation.

E. Ideal for Large-size Sewing Materials

The space under the machine body is expanded, so that even large-size sewing materials can be easily placed.

Patent
The structure to provide unlimited sewing range by using the arm lift device and the independent up/down drive



>>Functional Features

A. Mechanism



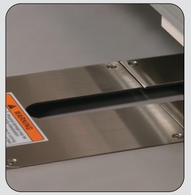
Upper thread holder
It maintains same length of remaining upper thread for the first stitch after thread trimming regardless of thread type. It makes sewing work stable and reduces defect rate.



Rotary large hook
Rotary thread trimmer
The adoption of large hook makes frequent bobbin exchange unnecessary during sewing, thereby enhancing productivity. The Rotary Mes-type thread trimmer is simple in structure and easy to use.



Hook lubrication device
Air pressure-based hook lubrication device is used.
It can remove foreign materials from hook and supply oil at the same time.



Y-rail guard
The Y-rail guard prevents foreign materials from entering the Y-rail, protecting Y-rail and Y-timing belt against damage.