SC7900 SERIES

Direct drive, feed-off-the-arm, 4-needles,
flat seamer, interlock sewing machine

For W24H service
www.swf-service.com

SC7900 - ■ M ■ ■

SC	7900 – ■	M ■	■
SunStar chain stitch M/C	**Trimming type**	**Needle distance**	**Application** [material]
	01 One side trimming	5 5.2mm	A Light material
	02 Both side trimming	6 6.0mm	B Medium heavy material

⦿ Specification

Model	SC7900-01M5A	SC7900-01M5B	SC7900-01M6A	SC7900-01M6B
Application [material]	Light	Medium~Heavy	Light	Medium~Heavy
Max. sewing speed [spm]	4,200	4,200	4,200	4,200
Stitch length [mm]	1.6~2.5	1.6~2.5	1.6~2.5	1.6~2.5
Lift of the presser foot [mm] Auto	6	6	6	6
Needle bar stroke [mm]	30	30	30	30
No. of needles	4	4	4	4
Needle distance [mm]	5.2 (13/64")	5.2 (13/64")	6.0 (15/65")	6.0 (15/65")
Differential feed Ratio	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5
Stitch type	ISO #607	ISO #607	ISO #607	ISO #607
Needle	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA
Lubrication	Auto	Auto	Auto	Auto
Trimming type	One-side trimmer	One-side trimmer	One-side trimmer	One-side trimmer
Auto thread trimming	○	○	○	○
Motor	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)	Servo motor (Direct)

Model	SC7900-02M5A	SC7900-02M5B	SC7900-02M6A	SC7900-02M6B
Application [material]	Light	Medium~Heavy	Light	Medium~Heavy
Max. sewing speed [spm]	4,200	4,200	4,200	4,200
Stitch length [mm]	1.6~2.5	1.6~2.5	1.6~2.5	1.6~2.5
Lift of the presser foot [mm] Auto	6	6	6	6
Needle bar stroke [mm]	30	30	30	30
No. of needles	4	4	4	4
Needle distance [mm]	5.2 (13/65")	5.2 (13/65")	6.0 (15/65")	6.0 (15/65")
Differential feed Ratio	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5	1.0:0.7 ~ 1.0:1.5
Stitch type	ISO #607	ISO #607	ISO #607	ISO #607
Needle	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA	GROZ-BECKERT UY 118GKS 4EA, UY 36211 1EA
Lubrication	Auto	Auto	Auto	Auto
Trimming type	Both-side trimmer	Both-side trimmer	Both-side trimmer	Both-side trimmer
Auto thread trimming	○	○	○	○
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.

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tel: 55-11-3362-3434 fax: 55-11-3362-3444

| SUNSTAR MACHINERY EUROPE GMBH |
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| SUNSTAR MACHINERY SINGAPORE PTE LTD. |
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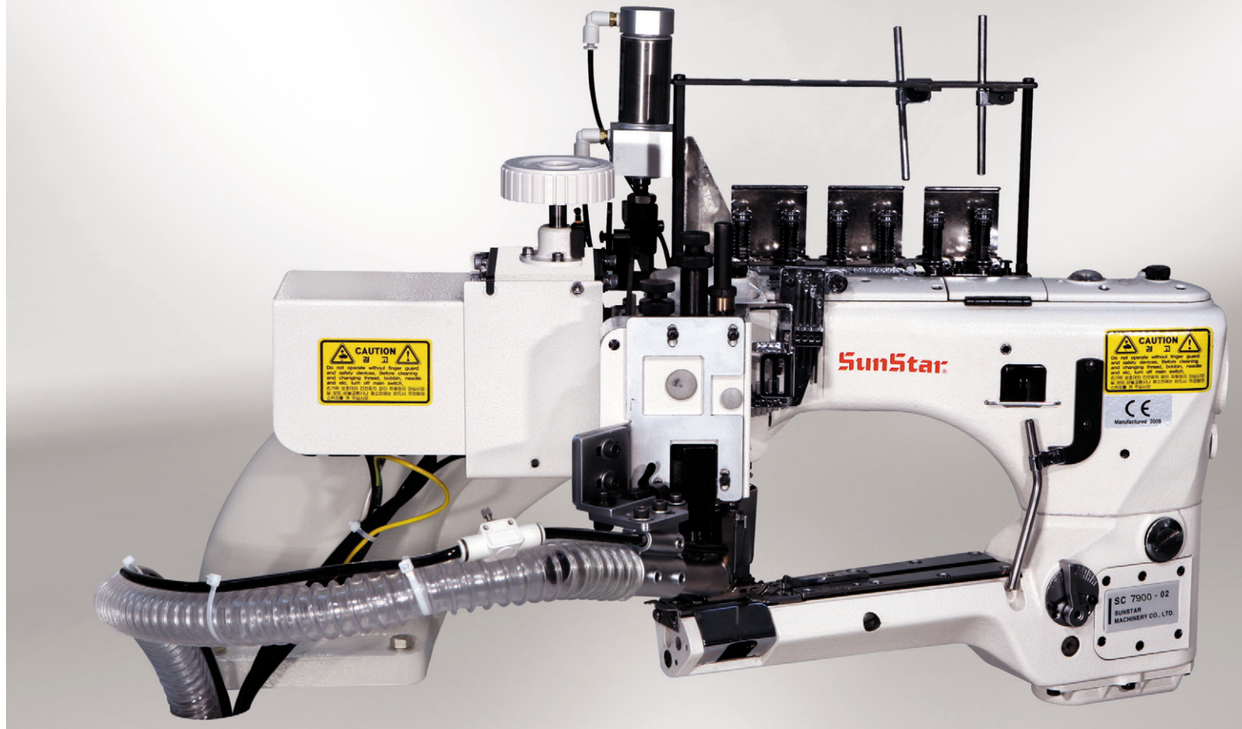
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SunStar SunStar CO., LTD.

Registered ISO 9001:2000 127-A



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FEATURES

01



Main shaft motor

(Direct connection type)

- We make this machine to be dealt with heavy materials by installing a 500W AC servo motor.
- We realize the low noise and vibration with the motor direct connection type and promote the productivity improvement through the stop accuracy and soft responsiveness.

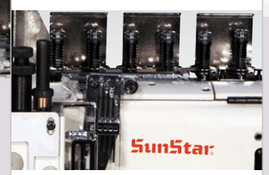
02



Availability of maintenance by the hand pulley

We designed to make sewing machine repaired easily by installing the hand pulley in the direct drive motor.

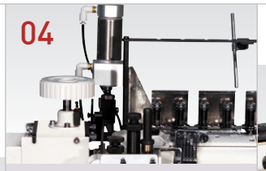
03



Thread tension fine-adjusting structure

The thread tension can be minutely adjusted independently so that we realize more improved sewing quality.

04



Air-compressed presser foot

We promote the working convenience through adopting the up-down type of presser foot using compressed air.

05



Differential feed ratio adjustment by the lever

Differential feed ratio can be simply adjusted by the lever so it is easy to apply to the various working conditions.

06



Expanded work space

We have secured large work space through the designing on the optimal arm support bar of operation.

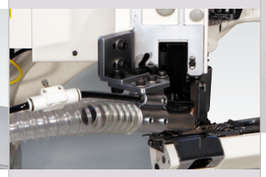
07



Optimal arm support bar design

Machine operation and the working environment are improved in great by realizing the low noise and vibration through the arm support bar design conducting the structural analysis.

08



Suction device

(Standard features)
We promote a pleasant working environment through cutting and taking in the edge pieces of the sewing materials cut by the upper blade drive.

09



Application

For the seamless sewing operation of swimming & hiking apparel



Sunstar noise and vibration caused by the high speed of the sewing machine are reduced due to the optimal design for the 4-needle, transmission arm type, interlock sewing machine

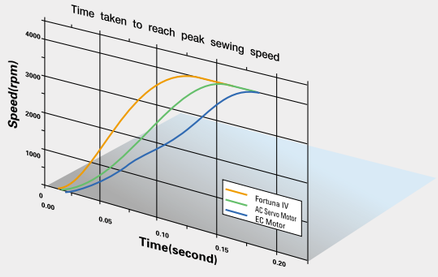
Drive through the motor direct connection type, 4-needle, transmission arm type, interlock sewing machine, 3D motion test and 3D structural analysis that are developed by the advanced technology of SunStar.

DIRECT DRIVE

- 500W AC servo motor installation, strong power dealing with heavy materials

We apply the more stable motor installation structure than competitors' products (patent pending).

We realize the low noise and vibration by the 3-D CAD&CAE analysis and promote productivity improvement through the stop accuracy and soft responsiveness.



SunStar noise and vibration caused by the high speed of the sewing machine are reduced due to the optimal design for the 4-needle, transmission arm type, interlock sewing machine

NEXT GENERA CONTROL FORTUNA 4



Refined appearance and practical design for easy attachment
The control box with western edge has the refined appearance and easy attachment can set up the basic functions without a control panel, and is easy to attach to the place users want.

Improved working environment of low noise and vibration
Worker's displeasure is eliminated by reducing electrical noise and vibration effectively using optimal control system.

Acceleration/Deceleration performance and Excellent stop with accuracy
Precise Up-Down stop is possible by responding immediately to user's pedal movement because the acceleration/deceleration feature and the stop accuracy are outstanding