KM-857 Series

High Post Single Needle Feed Lock Stitch M/C

KM-857 □-□

J	Jean Reinforcing Stitch

Trimming	
No Mark	Non-Trimming Type
7	Trimming Type

Specification

Specification / Model	KM-857	KM-857-7	KM-857J-7
Application	Medium ~ Thick Materials		
Max. Sewing Speed	3,000 spm		
Max. Stitch Length	5mm		
Needle Bar Stroke	33.4mm		
Height of Presser Foot	Hand : 7mm / Knee : 18mm		
Hook	Standard		
Needle	DP X17 #18 (#14~#22)		
Trimming Device	-	★	★
Thread Wiper	-	★	★
Needle Up Down & Quick Reverse	-	★	★
Automatic Presser Foot Lifter	-	★(Option)	★(Option)

Abundant Peripheral Automating Devices (Option)

Optional Device	Models	Usage	P/U Model
AUTO KNEE LIFTING SYSTEM	SPF-1	Solenoid system by which foot is automatically raised by 1st-stage pedal reverse movement. · Maximum stroke : 34mm · Input voltage : DC 24V (24~46V) · Suction power at 10mm stroke : 24kg	SPU-100 SPU-200 SPU-300
PRODUCTION COUNTER	SCOUN-1	This device is one which displays the number of production items on the program unit panel. The system offers addition, correction and balance display functions, in addition to displaying production rate.	SPU-200 SPU-300
MATERIAL EDGE SENSOR	SEDG-1 SEDG-2	This is a device which, even when the pedal is still in operation, automatically stops the machine by sensing the fabric edge or thickness ; there are two types available, viz., fabric edge sensor, type SEDG-1, and fabric thickness sensor, type SEDG-2.	SPU-200 SPU-300
STANDING PEDAL	SPDL-1 SPDL-2	This is an essential device when one operator operates a number of sewing machines, and is subdivided into ; acceleration pedal, thread trimming pedal and foot raising pedal. There are two types available, viz, speed fixed type, SPDL-1, and speed variable type, SPDL-2.	SPU-100 SPU-200 SPU-300

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SUNSTAR MACHINERY CO., LTD.



KM-857 Series

High Post Single Needle Feed Lock Stitch M/C

Beyond Your Expectation

SunStar®

KM-857 Series



Beyond Your Expectation

New, High Post sewing machine series developed through the advanced technology of SUNSTAR.

A new, higher level of advanced mechatronics has been ideally achieved by the grafting of the newly developed, automatic thread trimming Fortuna AC servo motor, equipped with the most up-to-date function, to our new twin-needle sewing machine ; total integration of new, varied functions created for operational convenience. This new product will contribute greatly to upgrading variable of sewing pattern quality and to increased productivity.

>> Installed the Fortuna AC Servo Motor Series V with Up-to-Date Functions!!

CONTROLLER SPEC.

Model	Input Phase	Main Functions	Standard Parts
S3AC55 - 1 ☐	1ø 110V	• Simple speed changing function using the program unit • Categorized speed adjustment of start/end back tack • Adjustment of sewing machine speed increase curve • Adjustment of the remaining upper thread's length after thread trimming • Adjustment of the pressure for pedal operation	• Synchronizer • Pedal connecting rod • Power switch box etc.
S3AC55 - 2 ☐	1ø 220V		
S3AC55 - 3 ☐	3ø 220V		



MOTOR SPEC.

Model	Motor Spec.	Standard
S3M55-S	Straight Type	550W 3,000rpm 0.18kgfm
S3M55-T	Taper Type	

PROGRAM UNIT FUNCTIONS

Function \ Model	Basic Type	Option Type
Start and end back-tack work	○	○
Selection of needle's Up/Down stop position	○	○
Selection of presser foot Up/Down stop position	○	○
Selection of thread trimmer and wiper performance	○	○
Correction or change of needle Up/Down stop position	○	○
Input of various sewing conditions	○	○
Programed number of sitches and programed sewing speed pattern work		○
Pattern connection function (Chain function)		○
Counter installment possible		○
Sewing material edge sensor installment possible		○

SPECIFICATIONS

- Quick and accurate position control. Swift response (Superbly fast acceleration and deceleration)
- Powerful program unit
- Easy to use speed change function
- Enhanced pattern sewing function
- Accurate back tack stitch number correction function
- Easy installment in any sewing machine
- Well-adaptable machine that fits any sewing environment
- Designed to meet the standard requirements of developed countries such as those of the US and European countries.
- Input/output as well as sequence changing functions appropriate for special equipment development.

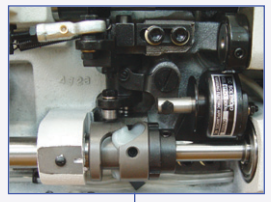
>> KM-857J-7





Attachment for reinforcing stitches

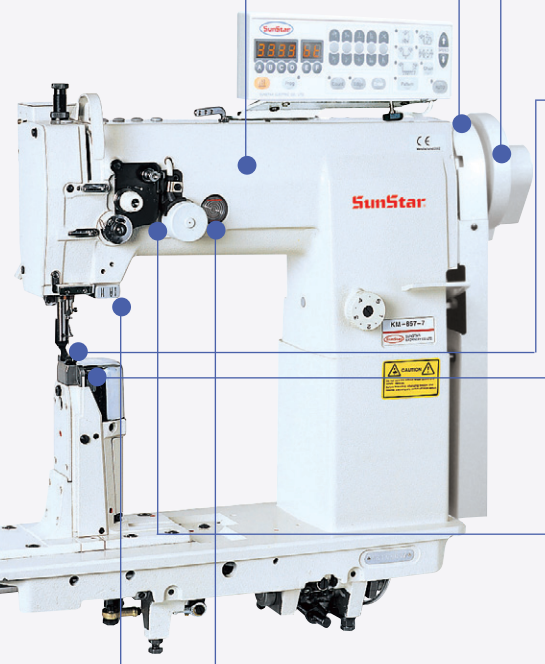
By using the attachment appropriate for reinforcing stitches, sewing work has become easier, enhancing work productivity and efficiency.

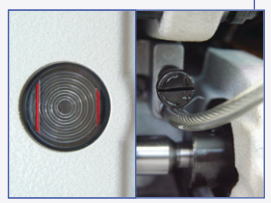


>> Simply structured thread trimming drive system

Superior anti-abrasive characteristics and high accurate knife operation.

Simplicity of structure offers extremely easy adjustment, assembly and disassembly procedures.





>> Automatic low-pressure, circulations type lubrication system.

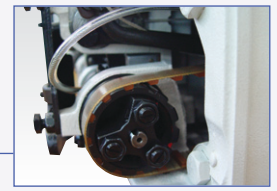
The nuisance of having to frequently lubricate important parts by hand has been eliminated owing to the machine's automatic lubrication system.

The tiny lubrication in hook control device is simply adjusted, and is capable of accurate lubrication in both left and right side hooks.



>> Convenient belt cover system

Belts can be changed without necessity of totally disassembling belt cover.



>> Protection device for left and right hook

Damage to hooks caused by overload occuring during sewing operations is prevented with safety device of a ball-clamp type.

Pressure control system operates as safety device by the simple bolt-adjustment.



>> Highly reliable thread trimming knife construction.

Long-lift moving and fixed knives can clearly cut even very thick threads.

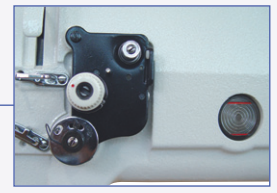
Knives can be easily disassembled, assembled and adjusted.



>> Strong post and saddle structure

Strong, wide bed-surface, fixed-type post and saddle structure.

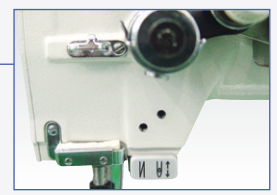
Post structure makes for easy and accurate curve sewing within narrow confines.



>> Solenoid controlled thread tension easing device (thread trimming type)

The length of upper thread remaining in the needle after thread trimming is freely adjustable simply by simple adjustment of volume control in control box.

Simple solenoid type structure does not require cable connection.



>> Feed back button offering funonctial variety

Sensitive touch-button operation allows smooth reverse stitching as well as needle bar movement from top to button or vice versa.



>> Bed direct-connection type, smoothly operating knee lifting system.

Knee lifting system not only operates smoothly, but raises the foot high.

No extra knee lifting system installation is required on table.