

High Speed, 1-Needle,  
Needle Feed, Lock Stitch Machine

# KM-350 Series



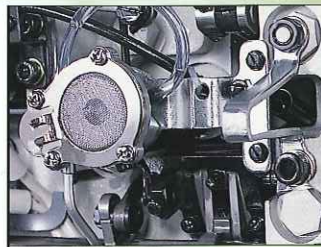
# KM-350 Series

High speed, 1-Needle, needle feed, lock stitch machine with automatic thread trimmer series developed through the advanced technology of SunStar.

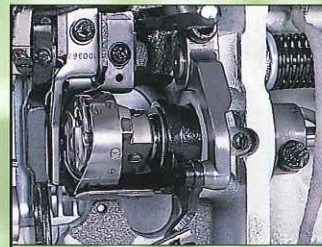
A new, higher level of advanced mechatronics has been ideally achieved by the grafting of the newly developed, automatic thread trimming Fortuna AC servo motor, equipped with the most up-to-date function, to our new KM-350 Series ; total integration of new, varied functions created for operational convenience. This new product will contribute greatly to upgrading variable sewing pattern quality and to increased productivity.



Feed dog and needle transport sewing material at the same time. The mechanism minimizes stretching of clothes and puckering in high-valued materials and synthetic fiber.



The high-performance impeller pump is used to enhance the durability of the internal moving section of the sewing machine.



The unique thread-trimming mechanism has a simple design and an easy control system.



The thread-trimming mechanism guarantees strong cutting power, increases abrasion, and durability with special material of moving and fixed knife. Thread-trimming super heavy-materials is perfect because of cutting power control.

## Installed the Fortuna AC Servo Motor Series III with Up-to-Date Functions!!

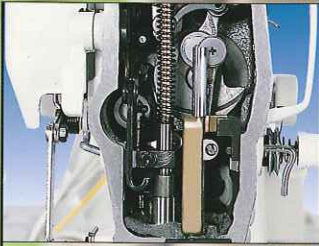
### CONTROLLER SPEC.

Model	Input Phase	Main Functions	Standard Parts
S3AC55 - 1 <input type="checkbox"/>	1 $\phi$ 110V	<ul style="list-style-type: none"> <li>Simple speed changing function using the program unit</li> <li>Categorized speed adjustment of start/end back tack</li> </ul>	<ul style="list-style-type: none"> <li>Synchronizer</li> <li>Pedal connecting rod</li> <li>Power switch box etc.</li> </ul>
S3AC55 - 2 <input type="checkbox"/>	1 $\phi$ 220V	<ul style="list-style-type: none"> <li>Adjustment of sewing machine speed increase curve</li> <li>Adjustment of the remaining upper thread's length after thread trimming</li> </ul>	
S3AC55 - 3 <input type="checkbox"/>	3 $\phi$ 220V	<ul style="list-style-type: none"> <li>Adjustment of the pressure for pedal operation</li> </ul>	

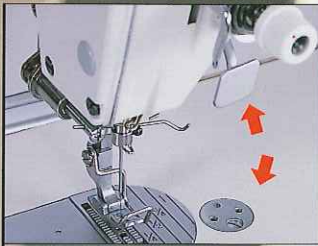


[Full Function Type]

[Economic Type]



The thread take-up made of special aluminum enables quiet sewing even at the maximum speed.



A number of accessories are offered to improve productivity. The Soft-touch reverse button and the attachment sheet.



14mm lift of presser foot, highest record among the sewing machines of similar grade



Auto knee lifter solenoid attached directly to the machine head in the back minimize loss of power. It is connected and disconnected easily. It also helps for better operation by providing enough space in the lower part of table. (Option)

### PROGRAM UNIT FUNCTIONS

Function	Model	Basic Type	Option Type
Start and end back-tack work		<input type="radio"/>	<input type="radio"/>
Selection of needle Up/Down stop position		<input type="radio"/>	<input type="radio"/>
Selection of presser foot Up/Down stop position		<input type="radio"/>	<input type="radio"/>
Selection of thread trimmer and wiper performance		<input type="radio"/>	<input type="radio"/>
Correction or change of needle Up/Down stop position		<input type="radio"/>	<input type="radio"/>
Input of various sewing conditions		<input type="radio"/>	<input type="radio"/>
Programed number of stitches and programed sewing speed pattern work			<input type="radio"/>
Pattern connection function (Chain function)			<input type="radio"/>
Counter installment possible			<input type="radio"/>
Sewing material edge sensor installment possible			<input type="radio"/>

### 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

### MOTOR SPEC.

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



## HEC 470 Series II N.P Motor

Non-contact (Eddy Current)  
automatic trimming motor

# KM-350 Series

**KM-350A** High Speed, 1-Needle, Needle Feed, Lock Stitch Machine

**KM-350A-7** High Speed, 1-Needle, Needle Feed, Lock Stitch Machine With Automatic Thread Trimmer

**KM-350B**

**KM-350B-7**



Usage	
A	General Materials
B	Heavy Materials

Trimming and Motor	
No mark	Non-Trimming Type : Clutch Motor
7N	Trimming Type : N.P Motor
7S	Trimming Type : Servo Motor

## Specification

Model	KM-350A-7S(N)	KM-350B-7S(N)
Application	General Materials	Heavy Materials
Max. Sewing Speed	5,000 spm(Commercial Use : 4,000)	4,000 spm(Commercial Use : 3,500)
Max. Stitch Length	4mm	5mm
Needle Bar Stroke	30.7mm	34.6mm
Thread Take-up Stroke	59.2mm	67mm
Height of Presser Foot	Hand : 5.5mm / Knee : 14mm	
Height of Presser Foot(Automatic)	14mm(Optional)	
Hook	Full Rotary Standard Hook	
Needle	DB x 1 #9~#18	DB x 1 #20~#23
Trimming Device	Trimming(-7S/-7N) : Provided	
Motor	Trimming(-7S) : Servo Motor	
	Trimming(-7N) : N.P Motor	
	Non-Trimming(No Mark) : Clutch Motor	

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



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