

# KM-1750

Direct Drive, High-speed, 2-needle,  
Needle Feed Machine with an Automatic Thread Trimmer

**KM - 175** 

Code	Lubrication	Type	Code	Application	Code	Hook	Code	Trimming
0	S	Semi-Dry Type	F	Foundation	None	Standard Hook	None	None -Trimming
	M	Micro Lubrication Type	G	General materials	L	Large Hook	7	Trimming
1		Auto Lubrication Type	B	Heavy materials				

## Specifications

Model	KM-1750			KM-1751
	SF	MG	MBL	BL
Application	Foundation	General	Heavy	
Lubrication	Semi Dry	Micro Lubrication		Auto Lubrication
Max. Sewing Speed	3,000 spm	4,000 spm	3,000 spm	
Max. Stitch Length	4 mm	5 mm	7 mm	
Needle Bar Stroke	33.4 mm			
Thread Take-Up Stroke	52 mm		62.4 mm	
Height of Feed Dog	1 mm			
Height of Presser Foot Lifter	7 mm(by Hand) / 15 mm(by Knee) /13 mm(by Automatic)			
Hook	Standard		Large Hook	
Needle (DPX5)	#9-#14(#11)	#11-#16(#16)	#14-#22(#22)	
Sewing Area	257 mm(Width), 120 mm(Height), 87 mm(Arm Jaw)			
Bed Size	518 mm × 178 mm			
Bobbin Thread Winder	Built-in the Machine Head (Upper Arm part)			
Automatic Back-tack Device	Provided			
Motor	AC Servo Motor(500W)			
Power	1-Phase (100~240V), 3-Phase (200~240V, 50/60Hz)			

## Option Gauge (Standard: 1/4")

In Cse of using over 1-1/2"(38.1mm)Guage parts, it is required to make special matching on the arm bed.

Spec	1/16"	3/32"	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1*1/4"	1*3/3"	1*1/2"	2"	2* 1/16"
Model	1.6mm	2.4mm	3.2mm	4mm	4.8mm	6.4mm	7.9mm	9.5mm	11mm	12.7mm	15.9mm	19mm	22.2mm	25.4mm	31.8mm	34.9mm	36mm	50.8mm	52.4mm
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KM-1750BL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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



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AGENT:

Direct Drive, High-speed, 2-needle,  
Needle Feed Machine with an Automatic Thread Trimmer

# KM-1750 Series





# KM-1750 Series

## New, Twin Needle 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 IV AC SERVO MOTOR, equipped with the most up-to-date function, to our new twin-needle sewing machine ; varied functions created for operational convenience. This new product will contribute greatly to upgrading variable of sewing pattern quality and to increased productivity.

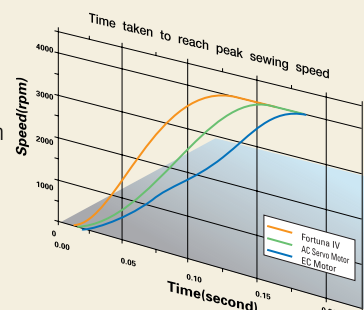


### Direct Drive



**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.

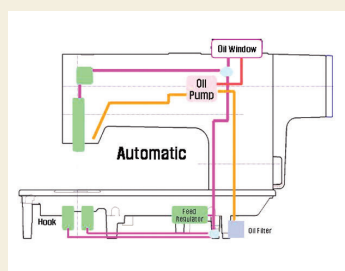
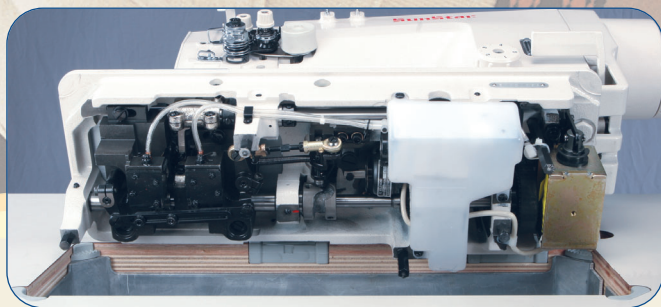




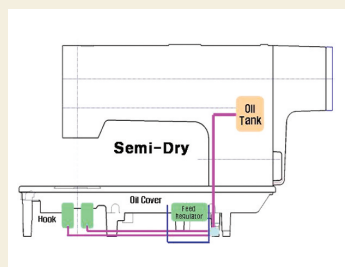


## >> Dry Head Lubrication

Dry Head Type is classified into SEMI-DRY and MICRO LUBRICATION TYPE to minimize risk of polluting sewing material, and special coating is applied to main parts to enhance endurance and wear resistance.

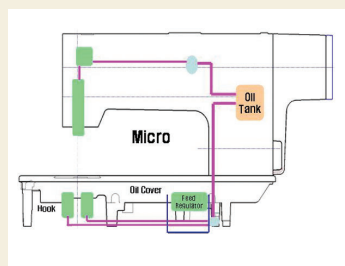


► Automatic-Lubrication Type



► Semi-dry Type

The oil circulation system involving oil tank is used to supply oil through hook only. Oil has been completely removed from the needle bar and the thread take-up.

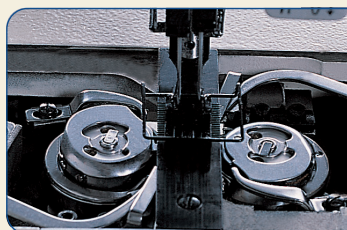
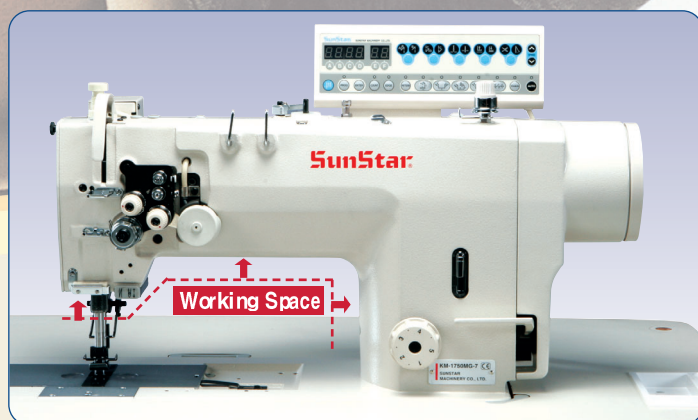


► Micro-Lubrication Type

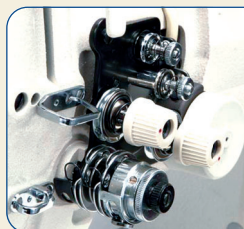
The oil tank supplies oil to hook with the oil circulation method. Very tiny volume of oil is provided to needle bar, enhancing productivity and minimizing the sewing material tainting

## >> Enlarged Working Space

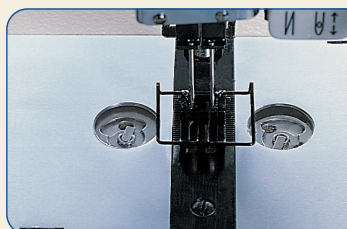
Wider working space leads to productivity elevation.



- The blades carry out horizontal movement so that they are not subject to readjustment when the needle distance changes, since it can cut any types of thread regardless of its thickness. The trimmer blades which have wide operating section can be easily assembled or disassembled.



- The thread adjusting device is able to control the tension of left and right upper threads separately. In any conditions, clean and high-quality sewing is guaranteed.



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