

KM-2070P/2070

SERIES

Electronically controlled, 1-needle, pattern zigzag, lock stitch sewing machine with automatic thread trimmer



For W24H service
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ZIGZAG

KM - 2070P -

KM - 2070P -

Thread trimming	
None	Non-thread trimming type
7	Auto-thread trimming type

KM - 2070 -

KM - 2070 -

Thread trimming		Application	
None	Non-thread trimming type	L	Light material
7	Auto-thread trimming type	M	Medium material

Specification

Model	KM-2070P-7	KM-2070P	KM-2070-7L	KM-2070-L	KM-2070-7M	KM-2070-M
Application [material]	Light-Medium	Light-Medium	Light	Light	Medium	Medium
Max. sewing speed [spm]	5,000 (L-Stitch:3,000)	5,000 (L-Stitch:3,000)	5,000	5,000	5,000	5,000
Stitch length [mm]	0~2.5	0~2.5	0~2.5	0~2.5	0~5	0~5
Lift of the presser foot [mm]	Hand	6	6	6	6	6
	Knee	10	10	10	10	10
	Auto [Option]	7	7	7	7	7
Needle bar stroke [mm]	33.3	33.3	33.3	33.3	33.3	33.3
Height of the feed dog	1	1	1	1	1	1
Zigzag width [mm]	8 / 10 [2-Step, 3-Step]	8 / 10 [2-Step, 3-Step]	8 / 10 [2-Step, 3-Step]	8 / 10 [2-Step, 3-Step]	8 / 10 [2-Step, 3-Step]	8 / 10 [2-Step, 3-Step]
No. of input patterns	99 [Standard 16 / 8 Kinds]	99 [Standard 16 / 8 Kinds]	99 [Standard 16 / 8 Kinds]	99 [Standard 16 / 8 Kinds]	99 [Standard 16 / 8 Kinds]	99 [Standard 16 / 8 Kinds]
No. of input stitches	256/1-Pattern	256/1-Pattern	256/1-Pattern	256/1-Pattern	256/1-Pattern	256/1-Pattern
Needle	SY 1965 Nm 70, DPx5 #10	SY 1965 Nm 70, DPx5 #10	SY 1965 Nm 70, DPx5 #10	SY 1965 Nm 70, DPx5 #10	SY 1965 Nm 70, DPx5 #10	SY 1965 Nm 70, DPx5 #10
Hook	Drive type	Rotary	Rotary	Rotary	Rotary	Rotary
	Position	Vertical	Vertical	Vertical	Vertical	Vertical
Lubrication	Auto	Auto	Auto	Auto	Auto	Auto
Thread roll	○	○	○	○	○	○
Wiper	○	—	○	—	○	—
Auto backtack	○	○	○	○	○	○
Upper Thread Feeding	○	—	○	—	○	—
Auto thread trimming	○	—	○	—	○	—
Motor	Servo motor	Servo motor	Servo motor	Servo motor	Servo motor	Servo motor

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



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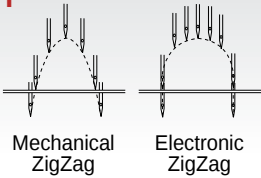
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FEATURES

01



The needle moves up and down with the exact vertical angle to sewing materials, which prevents from damaging the sewing materials and deforming the needle.

02



Operation box

Various functions can be used by clicking icons on the operation panel, so that all functions are just one-touch away. Without the need to use an additional input device, it is possible to create zigzag patterns by pressing buttons.

03



Electronic stitch count control dial (Patented)

Stitch count can be adjusted with the stepping motor. As such, it is suitable for sample production by fashion and sewing industrial designers and the production of unique patterns. (KM-2070P Series)

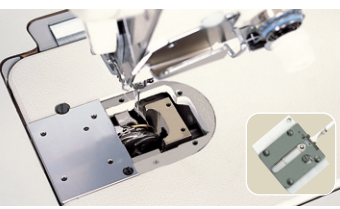
04



The presser foot minute-lifting control mechanism

The presser foot minute-lifting control mechanism effectively prevents the sewing materials from slipping and being damaged as that it implements fine stitches.

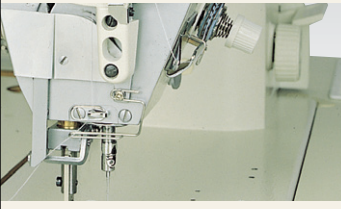
05



The optimized thread trimming mechanism

The optimized thread trimming mechanism minimizes the cutting error. And the cutting section is assembled in one unit so that user can do its maintenance and repair easily and simply.

06



The upper thread feeding device

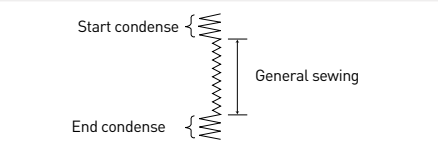
The machine is equipped with the upper thread feeding device to effectively adjust the length of the remaining thread after trimming the thread.



EXAMPLES OF THE PATTERNS

Condense patterns

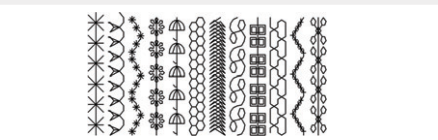
User can set up the stitch numbers and width for start & end condense patterns in order to prevent the thread on the starting and ending points from being untied.



User pattern

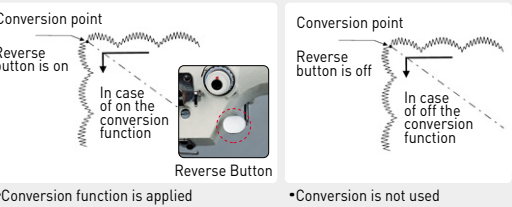
User can input its own patterns up to 99 by using the program unit box. (Total 25,344 stitches available)

Maximum patterns to be input : 99 patterns
Stitch range of each pattern : 1~256 stitches



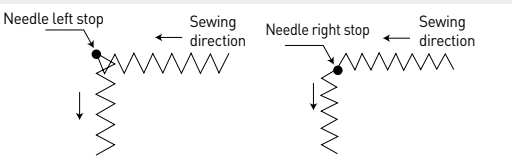
Conversion function

User can do fine work at the turning point as shown below by using the function.



Left and right positioning of needle

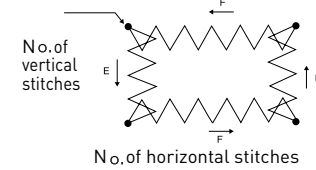
User can control the (left and right) stop position of needle so that fine stitches can be implemented in stitching a name tag.



Name tag stitching

User can set up the numbers of vertical & horizontal stitches, then can sew the materials automatically as to the set-up and cut the thread at the ending point by stepping a foot pad only one time.

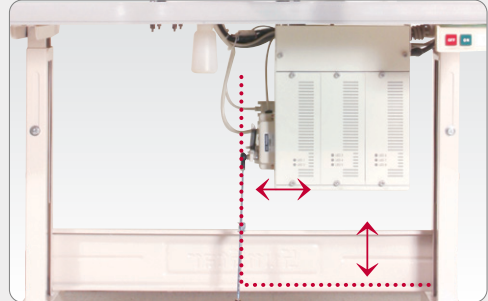
Start point & end point
(Automatic thread trimming is possible)



CONTROL BOX

Smaller and lighter control box

It is 30% smaller and 50% lighter than the previous control box, so that the space under the sewing table is dramatically expanded.



Easy breakdown recognition

When machine errors occur, the LED lamp blinks to help users easily pinpoint and check problematic areas.

Rack type design

With wireless rack-type structure, it is highly durable, reduces heat generation, and supports easy A/S service.



BASIC PATTERNS

	Straight	Standard ZigZag	2-Step ZigZag	3-Step ZigZag	Scallop (Left)				Scallop (Right)				Blind (Left)		Blind (Right)		User pattern
Sewing pattern	—	—	—	—	1	2	3	4	1	2	3	4	Normal	L-stitch	Normal	L-stitch	99 Patterns
Number of stitches	—	2	4	6	24	12	24	24	24	12	24	24	Up to 99 Stitches for straight line				256 Stitches per pattern

* User can program and memory up to 99 zigzag patterns on user's own except the above 16 basic patterns. (Please refer to the user's pattern)

SSP 5.0

Applicable machine : Pattern / Bartack / Zigzag / Pocket Setter / Belt Looper / Cap Visor

- Convenient data management
- Support of dedicated pattern creation tool
- Created data check

- Convenient data creation and editing
- Simple embroidery design punching
- 3D view for actual sewing result

- Support of various external data formats (DST, DSB, DXF, BMP, JPG)