

# M1 Series

Direct-drive, High-speed, Overlock / Safety Stitch Machine

*The maximum sewing speed of the M1 series is 7,000 sti/min.*

M1-SF type

M1-AE type

M1-NS type

M1-NL type

M1-SF type



M1-424SF

## Features

- The direct drive system has been adopted.
- Both the control box and the operation panel are integrated with the machine head.

M1-NS type



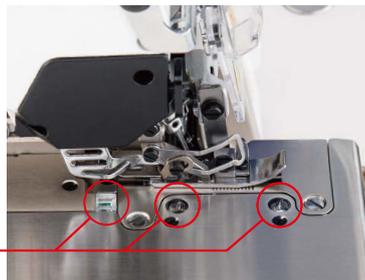
M1-424NS

## 3-point sensor auto thread trimmer

The M1-SF type sewing machine is equipped with a 3-point sensor auto thread trimmer. This prevents the operator from accidentally cutting the cloth.

- M1-AE type is a 2-point sensor auto thread trimmer.

Sensor



M1-SF type M1-AE type

## Operation panel and control box are integrated with the machine head

M1-SF type M1-AE type



Speaker

- **Voice guidance for assisting the operator**  
This sewing machine is provided as standard with the voice guidance.

M1-NS type M1-NL type



## LED hand light

The illuminance of the LED hand light can be adjusted in 2 steps for the SF type / AE type. (NS type is on/off). It can be adjusted to the illuminance to help the operator to easily carry out work around the needle, thereby helping increase work efficiency.

M1-SF type M1-AE type M1-NS type M1-NL type



M1-424SF

## Chain-off thread trimmer Solenoid type Auto lifter Solenoid type

- M1-AE is a pneumatic type auto lifter and a side cutter.

Chain-off thread trimmer

Auto lifter



M1-SF type M1-AE type

M1-SF type M1-AE type M1-NS type M1-NL type



USB Port

- **Multi function USB connector**  
Since the USB port is provided as standard for the control box, software can be upgraded with ease.

## OPTION DEVICE <For SF Type>

Chain-off thread suction device (Blower fan motor type): JINBFX5DXFZZ  
Chain-off thread suction device (Pneumatic type): JINBF889UT-DCFZJ-1

## SUBCLASS MACHINE LIST

Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge (mm)	Overedging width	Number of feed dog rows	Stitch length (mm)	Bottom differential feed ratio	Presser lifting amount (mm)	Needle system	(sti/min) Max sewing speed	Remarks
	For runstitching in medium-weight material												
<b>M1-304SF/NS/NL</b>	L~M	1	3	—	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000		
	For runstitching in medium-weight material												
<b>M1-424SF/AE/NS/NL</b>	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000		
	For runstitching in medium-weight material												
<b>M1-534SF/NS/NL</b>	L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #14	7,000		
<b>M1-556SF/NS/NL</b>				5.0	6.0					DCx27 #18			
<b>M1-634SF/NS/NL</b>		3	6	3.0+2.0	4.0	DCx27 #14							
<b>M1-654SF/NS/NL</b>				5.0+2.0									

### Sewn product pictogram



## SPECIFICATIONS

Model name	M1-304SF, M1-304NS, M1-304NL	M1-424SF, M1-424AE, M1-424NS, M1-424NL	M1-534SF, M1-534NS, M1-534NL	M1-556SF, M1-556NS, M1-556NL	M1-634SF, M1-634NS, M1-634NL	M1-654SF, M1-654NS, M1-654NL
Stitch type	1-needle overlock	2-needle overlock	Safety stitching			
Max. sewing speed	7,000 sti/min*					
Stitch length	3.8 mm					
Needle gauge (mm)	—	2.0	3.0	5.0	3.0+2.0	5.0+2.0
Overedging width (mm)	4.0		6.0		4.0	
Needle bar stroke	23.0 mm					
Needle	DCx27 #11		DCx27 #14	DCx27 #18	DCx27 #14	
Max. lift of the presser foot	5.0 mm					
Lubrication	Automatic					
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)					
Cartridge oil filter	Provided as standard					
Power requirement	Single-phase 220V / Single-phase 110V					
Power consumption	1.51kwh					

\*sti/min is the abbreviation for "stitches per minute" \*M1-SF type is equipped with Sensor control / Tape cutter / Auto-lifter.

## WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Stitch type	U.S.A	Code
1-needle, 3 thread overlock	504	<b>3</b>
2-needle, 4 thread overlock	514	<b>4</b>
2-needle, 5 thread safety stitch	516	<b>5</b>
3-needle, 6 thread safety stitch	—	<b>6</b>

\*SUBCLASS MACHINE LIST combinations only

Needle gauge (mm)	Overedging width (mm)	Feed dog	Code
—	4.0	3-row	<b>04</b>
2.0	4.0	3-row	<b>24</b>
3.0	4.0	3-row	<b>34</b>
3.0+2.0	4.0	3-row	<b>34</b>
5.0+2.0	4.0	3-row	<b>54</b>
5.0	6.0	3-row	<b>56</b>

\*M1-534 is Needle gauge 3.0mm. \*M1-634 is Needle gauge 3.0 + 2.0mm.

Chain-off thread trimmer / auto lifter	Control box	Code
Solenoid type	with Chain-off thread trimmer (1-phase 220V)	<b>SF</b>
Pneumatic type	with side cutter (1-phase 220V)	<b>AE</b>
Not provided	without Chain-off thread trimmer (1-phase 220V)	<b>NS</b>
Not provided	without Chain-off thread trimmer (1-phase 110V)	<b>NL</b>

**M 1 -**

**JUKI**  
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\* Specifications and appearance are subject to change without prior notice for improvement.  
 \* Read the instruction manual before putting the machine into service to ensure safety.  
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