

LU-2200N Series

High-speed, Unison-feed, Lockstitch Machine
with Vertical-axis Large Hook and Automatic Thread Trimmer

high speed

powerful



From the library of: Diamond Needle Corp

high performance

LU-2200N Series

Capabilities for sewing car seats have been
significantly improved.

Efficiency of feed and sewing capabilities for supporting sewing performance at a higher speed of 3,500rpm



LU-2210N-7

High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook and Automatic Thread Trimmer

LU-2210N-7 1.6 fold-capacity hook

LU-2210W-7 Double-capacity hook

The machine demonstrates outstanding performance when sewing heavy materials, with its "high-quality consistent sewing capabilities", as well as with its remarkably powerful feed.



From the library of: Diamond Needle Corp



LU-2260N-7

High-speed, 2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook and Automatic Thread Trimmer

LU-2260N-7 1.6 fold-capacity hook

LU-2260W-7 Double-capacity hook

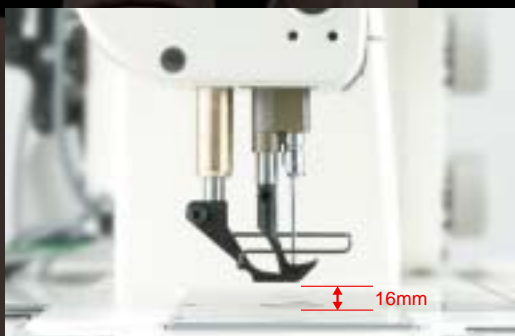
The machine is the standard type 2-needle machine, which is essential for topstitching processes. As with the aforementioned 1-needle machine, the standard 2-needle machine has an outstanding high-speed capability and promises consistent sewing performance.

3,500rpm

LU-2200N Series

Higher lift of the presser foot

- The machine is provided as standard with a pneumatic auto-lifter.
- The high, 16mm presser foot lift enables easy material handling.



The walking foot and presser foot's alternating vertical movement can be set and changed with ease.

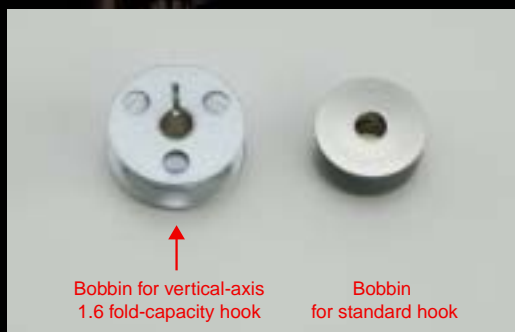
- The vertical strokes of the presser foot and walking foot (alternating vertical movement) can be easily changed using a large dial mounted on the top surface of the machine head.
- In addition the sewing speed is automatically adjusted with the set value. With this feature, ideal sewing conditions are maintained at all times.



The machine promises outstanding adaptability and ease of use with its full-fledged functions.

The highly efficient vertical-axis 1.6 fold-capacity hook is provided as standard.

- With the adoption of this vertical-axis 1.6 fold-capacity hook, the frequency of bobbin thread winding is reduced, promising sewing work of increased efficiency.

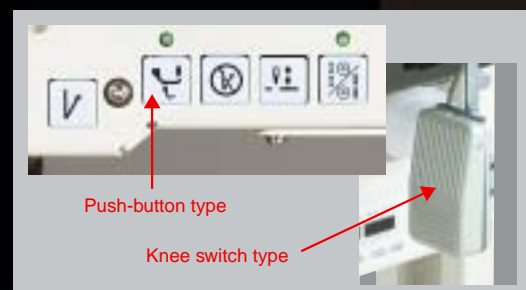


Bobbin for vertical-axis
1.6 fold-capacity hook

Bobbin
for standard hook

Instantaneous change-over device for the alternate vertical movement amount (DL device) is provided as standard.

- The alternate vertical movement amount can be instantaneously maximized in a process for sewing a hard-to-feed part of material, such as a multilayered part, finishing with beautiful seams free from stitch gathering.
- The machine is provided with both a hand switch and knee switch.



Push-button type

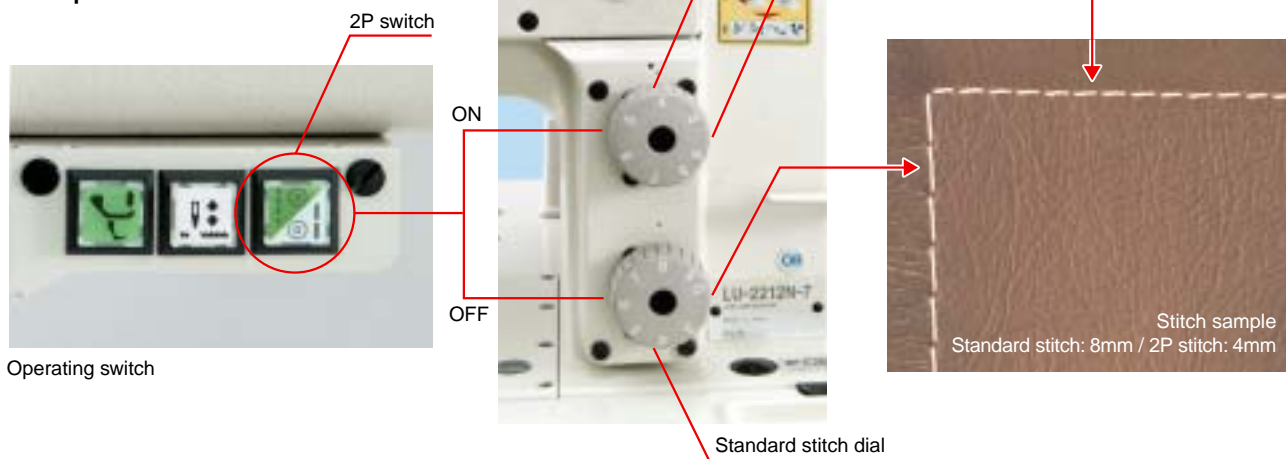
Knee switch type

High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook and Automatic Thread Trimmer

LU-2212N-7 1.6 fold-capacity hook / 2-pitch dial type

One of two different stitch lengths can be selected according to the application.

The stitch length can be instantaneously changed over by pressing the stitch selector switch mounted on the lower part of the machine arm.



High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook and Automatic Thread Trimmer

LU-2220N-7 1.6 fold-capacity hook / 2-pitch dial / Shorter thread remaining type

Thread nipping work required at the beginning and end of sewing is reduced. This is a high-performance machine which contributes to both increased productivity and improved quality for sewing car seats. Frequency of the use of scissors by the operator is reduced, thereby helping prevent the material from being damaged.



[Comparison of the remaining thread length]

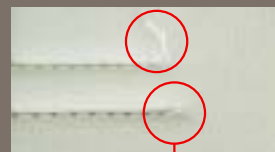
Upper side: LU-2210N-7 / Lower side: LU-2220N-7

Right side of the material at the beginning of sewing



The needle thread does not remain on the right side of the material.

Wrong side of the material at the end of sewing



Remaining-thread length: 5mm



Operating switch



Needle thread clamping at the beginning of sewing can be turned ON/OFF.

The thread trimming mechanism has been totally redesigned to shorten the length of thread remaining on the material at the end of sewing down to 5 mm.





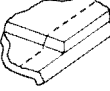














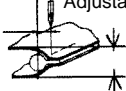





ATTACHMENTS

Description	Part No.
Suspended ruler (asm.) H152	MAH-152010A0
Suspended ruler mounting base (asm.)	107-35868

*Suspended ruler mounting base (asm.) is required to mount the suspended ruler.

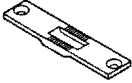
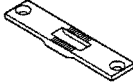
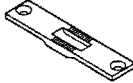
INTERCHANGEABLE GAUGE PARTS

[LU-2210N-7 □ LU-2210W-7 □ LU-2212N-7 □ LU-2220N-7]

Application		Walking foot		Presser foot	
Standard 		A	Standard	A	Standard 
		107-11653		107-12552	
				K Standard (pressing face is reduced)	
				107-58456	
For material with overlapped section Allows the smooth feed of multi-layered portions of the material 		107-11653		B For material with overlapped section	
For light-weight sponge Used for resilient materials including sponge 				107-12651	
For heavy-weight sponge Used for more resilient materials Thick 				C For urethane	
		107-12750			
Right single-sided presser Used for sewing material edges 		B	For urethane	D Right single-sided	
		107-11752		107-12859	
Left single-sided presser Used for sewing material edges 		C	Right single-sided	E Left single-sided	
		107-11851		107-12958	
For piping Used for the general piping process 		D	Left single-sided	F ~ J For piping	
		107-11950		3 107-47350 4 107-47459 5 107-47558 6 107-47657	
For piping The position of the needle can be adjusted according to the pipe to be sewn 		E ~ H	For piping		
		Adjustable presser for piping			
Wide type To be used when a sewing product cannot be smoothly fed 		J ~ M	Adjustable presser for piping	(special order)	
		3 107-46352 4 107-46451 5 107-46550 6 107-46659		107-12057	
				107-13055	

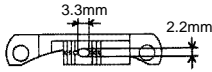
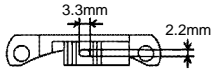
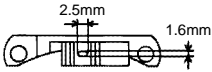
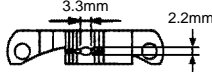
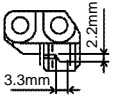
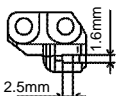
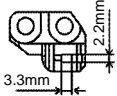
INTERCHANGEABLE GAUGE PARTS

●Throat plate



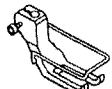

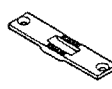
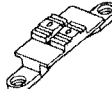

For LU-2210N-7 / 2212N-7		For LU-2220N-7*
		
107-01704	107-02009	400-58071
Standard	Wide type (special order)	Standard

*Throat plate (400-58071) for the LU-2220N-7 is also applicable to the LU-2210N-7/LU2212N-7.

●Feed dog

For LU-2210N-7 / 2212N-7			
			
107-17106	107-17205	107-17304	107-39001
S Standard (thread groove width: 1.0mm)	A Without groove (To be used if the needle thread and bobbin thread do not intertwine with each other at the beginning of sewing)	B For thin thread (thread groove width: 1.0mm)	Wide type (special order)
For LU-2220N-7			
			
400-58070	400-64353	400-62827	
S Standard (thread groove width: 1.0mm)	B For thin thread (thread groove width: 1.0mm)	C For thick thread (thread groove width: 1.9mm)	

[LU-2260N-7 [LU-2260W-7]

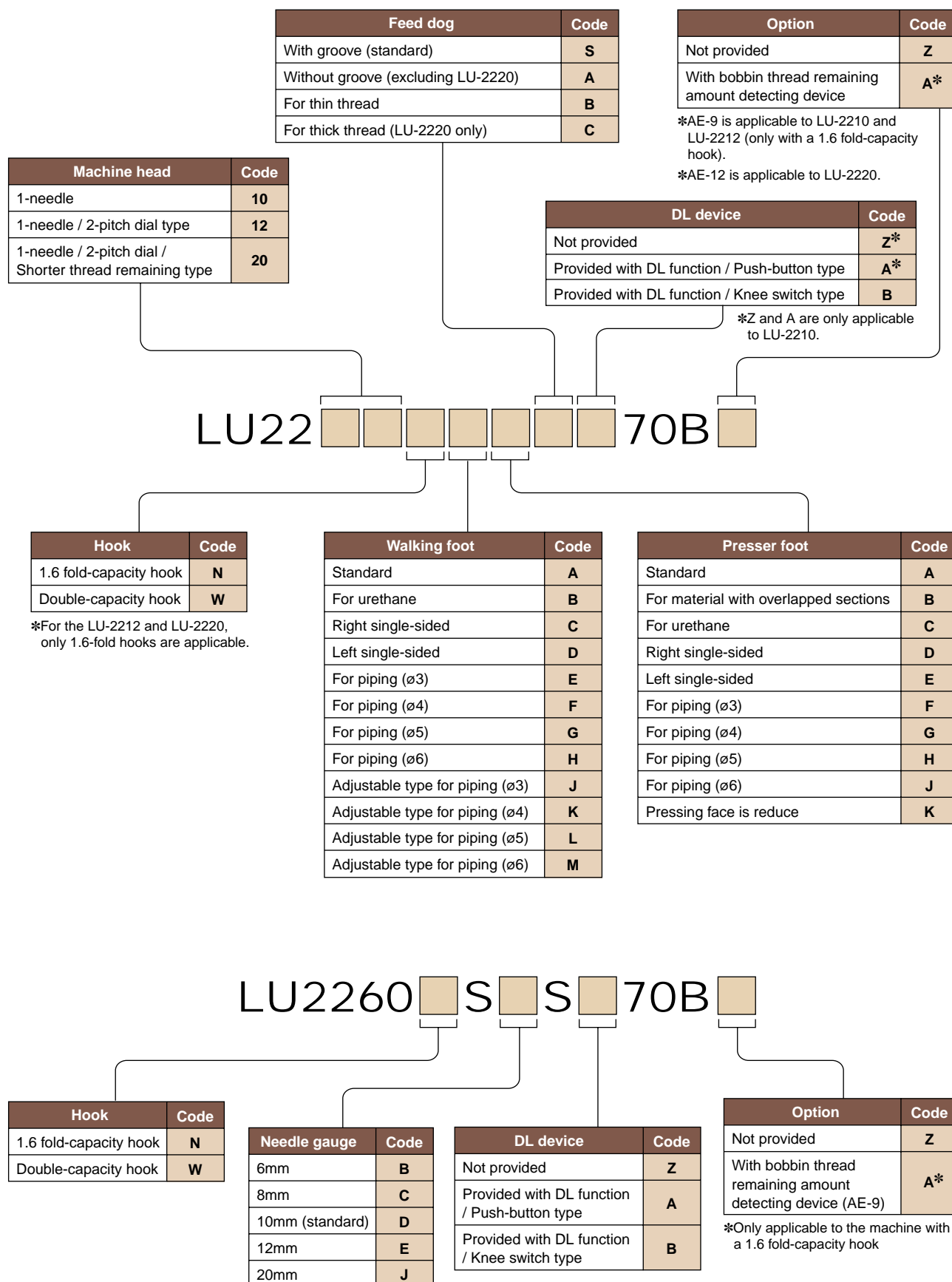
Needle gauge	Gauge* set No.	Needle clamp	Presser foot	Walking foot	Throat plate	Feed dog	Slide plate*	
							Left	Right
								
6mm	107-84650	107-77654	107-81656	107-83157	107-84601	107-80104	107-86309	107-01803
8mm	107-84759	107-77753	107-81755	107-83256	107-84700	107-80203		
10mm (standard)	107-84858	107-77852	107-81755	107-83355	107-84809	107-80302	107-86408	107-86002
12mm	107-84957	107-77951	107-80401	107-83454	107-84908	107-80401		
20mm	107-85350	107-78355	107-82357	107-83850	107-85301	107-80807	107-86507	107-86101

Note) Applicable to gauges "4 mm to 36 mm" (LU-2260N-7) and "4 mm to 30 mm" (LU-2260W-7).

Any gauges other than the forementioned are available through special order.

*The right and left slide plates are not included in the parts represented by the gauge set number.

WHEN YOU PLACE ORDERS



SPECIFICATIONS

Model name	LU-2210N-7 LU-2210W-7	LU-2212N-7	LU-2220N-7	LU-2260N-7 LU-2260W-7
	1-needle	1-needle / 2-pitch dial type	1-needle / 2-pitch dial / Shorter thread remaining type	2-needle
Max. sewing speed	3,500rpm			
Max. stitch length	9mm (forward/backward)			6mm (forward/backward)
Needle bar stroke	33.8mm			
Max. lift of the presser foot	Auto: 16mm, By hand: 9mm			
Alternating vertical movement	1mm ~ 6.5mm (by dial)			
Thread take-up	Link type			
Hook	N: Vertical-axis 1.6 fold-capacity hook W: Vertical-axis double-capacity hook	N: Vertical-axis 1.6 fold-capacity hook		N: Vertical-axis 1.6 fold-capacity hook W: Vertical-axis double-capacity hook
Needle	134 × 35R (Nm140) Nm110 ~ Nm160			
Thread	#30 ~ #4, B46 ~ B138, Nm60/3 ~ 20/3			#20 ~ #5, B64 ~ B138, Nm40/3 ~ 20/3
Distance from needle to machine arm	263.5mm			
Lubrication	Automatic			
Bobbin thread winder	Built on the machine head			
Safety mechanism	Provided as standard			
Automatic reverse feed function	Provided as standard			
Auto-lifter	Provided as standard (pneumatic auto-lifter)			
Compressed air	0.5MPa			
Air consumption	0.763dm ³ /min (ANR)	1.078dm ³ /min (ANR)	1.337dm ³ /min (ANR)	0.736dm ³ /min (ANR)
Weight of the machine head	55kg			58kg
Power requirement	Single-phase 100 ~ 120V, 200 ~ 240V 3-phase 200 ~ 240V			
Power consumption	425VA			



JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- ①The development of products and engineering processes that are safe to the environment
- ②Green procurement and green purchasing
- ③Energy conservation (reduction in carbon-dioxide emissions)
- ④Resource saving (reduction of papers purchased, etc.)
- ⑤Reduction and recycling of waste
- ⑥Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

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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.
* This catalogue prints with environment-friendly soy ink on recycle paper.