

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

LU-2210N -7 (1.6 fold-capacity hook)

LU-2210W-7 (double-capacity hook)

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

LU-2260N -7 (1.6 fold-capacity hook)

LU-2260W-7 (double-capacity hook)



LU-2260N-7



LU-2210N-7-0B/XC-E500



LU-2260N-7-0B/XC-E500

* XC-E500 operation panel is optionally available.



JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct
①the technological and technical research, the development and
design of the products in which the environmental impact is
considered,

②the conservation of the energy and resources, and the recycling,
in the research, development, design, distribution, sale and
maintenance service of the industrial sewing machines,
household sewing machines and industrial-use robots, etc. and
in the purchase, distribution and sale of the household
commodities including the healthcare products.

Excellent responsiveness when sewing heavy materials such as car seats and sofas.

The LU-2200N/W-7 Series, JUKI's top-grade line of unison-feed lockstitch machines equipped with automatic thread trimmers, has earned a solid reputation for powerful feed, consistent sewing, and reliable thread trimming. In addition to the conventional 1-needle and 2-needle types, the LU-2200N/W-7 models provided with double- and 1.6 fold-capacity hooks have now been launched to fill out the Series. Furthermore, the AC servomotor/control box has been totally redesigned. The extensive variety of models in the LU-2200N/W-7 Series offers you the optimal choices for your sewing needs.

The LU-2200N/W-7 Series has been designed for improved operability by providing a higher lift for the presser foot and easy adjustment of the amount of alternating vertical movement of the walking foot and presser foot. With its outstanding responsiveness in the sewing of heavy materials such as car seats and sofas, the machine guarantees increased productivity and upgraded quality.



LU-2210N-7/XC-E500

* XC-E500 operation panel is optionally available.



LU-2260N-7/XC-E500

* XC-E500 operation panel is optionally available.

Consistent sewing performance at a high speed

Thanks to its remarkable feed efficiency and improved feed cam unit, the machine smoothly feeds materials at high speeds while preventing stitch gathering. The machine is also equipped with a new box-type feed locus that enables the production of beautifully finished seams free from material flopping.

Thread trimming without fail

The rigid movement of the knife-driving shaft and ideal shape of the cam enable the thread trimmer to trim thread as thick as #5. Further-more, no adjustment is necessary after chan-ging the thread count.

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 (their 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.



LU-2260N-7



LU-2260N-7



LU-2260N-7

AC SERVOMOTOR/CONTROLLER

SC-380

Multi functioned, powerful, and smooth to operate

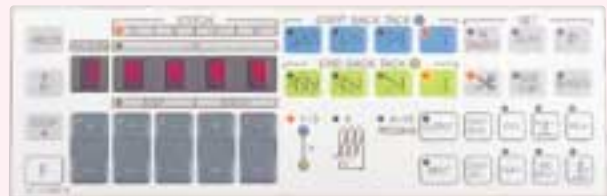
- The SC-380 is provided with many different standard functions, including speed-control, soft-start, automatic reverse stitching with the specified number of stitches, constant-dimension stitching, and overlapped (multi-layered) stitching. These functions ensure sewing performance optimally suited to the material and process.
- With its higher torque under low-speed sewing, the SC-380 enables the machine to smoothly start sewing operation. The unit is also provided with additional capabilities to enhance the sewing of extra-heavy materials by increasing the cloth-penetrating force of the needle for the first stitch, reversing the rotation direction of the motor to bring the needle to its upper end position after thread trimming, etc. With these capabilities, the sewing machine is able to demonstrate optimal sewing performance both widely and smoothly when working with heavy materials.



Operation panel that improves functions of the sewing machine (optional)

- The XC-E500 is provided with program sewing and a host of other functions that contribute to increased efficiency.
- The XC-E500 can be installed on the top of the sewing machine. All functions provided by the XC-E500 can only be specified through the operation panel.
- Data programmed in the operation panel can be transferred to another sewing machine unit.

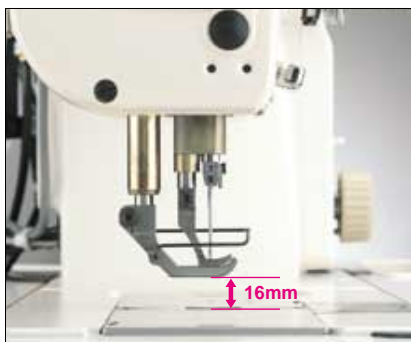
●XC-E500



Sufficiently large presser foot lift

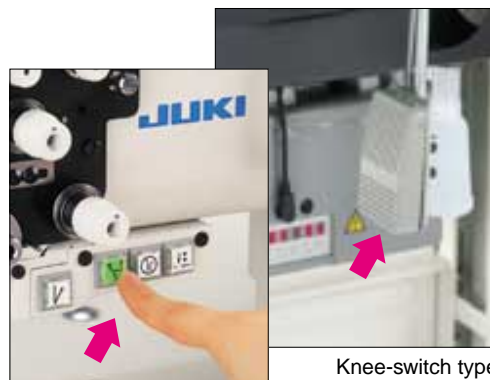
The machine is equipped as standard with a pneumatic auto-lifter. The lift of the presser foot is 16mm, allowing the operator to handle the material under the presser foot with ease.

The auto-lifter is controlled by a light-to-the-touch pedal, thereby helping reduce operator fatigue.



The instant changeover of the walking foot and presser foot's alternating vertical movement is especially effective when sewing over-lapped sections of materials

A function to instantaneously change over the alternating vertical movement of the walking foot and presser foot (DL) is provided as standard with the machine. With this function, the alternating vertical movement of the walking foot and presser foot can be changed over to the maximum value simply by turning on the switch.



Push-button type

Knee-switch type

Bobbin thread remaining amount detecting device (optional) AE-9








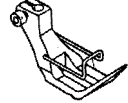
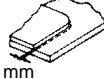
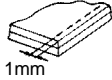


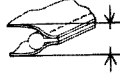

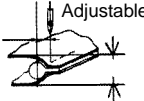


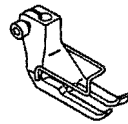
Part No.

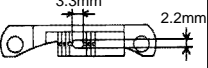
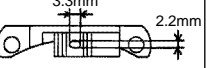
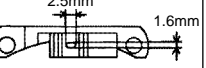
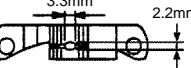
AE-9 (kit C)	GAE09000CA0	for LU-2210N-7
AE-9 (kit D)	GAE09000DA0	for LU-2260N-7

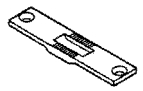
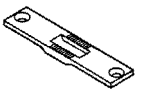
The bobbin thread remaining-amount detecting device warns the operator with a buzzing sound and lamp indication of the time for bobbin thread replacement. This allows the operator to concentrate on sewing work without concern for the remaining amount of bobbin thread. Since the device directly detects the bobbin thread amount remaining, cumbersome setting is no longer required regardless of the material, thread and process.

■ INTERCHANGEABLE GAUGE PARTS

● LU-2210N-7, LU-2210W-7



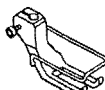


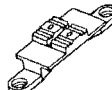


Sewing conditions		Walking foot		Presser foot				
Standard 		A	Standard		A	Standard		
		107-11653			107-12552			
		K	Standard (pressing face is reduced)		107-58456			
		B	For material with overlapped section		107-12651			
For light-weight sponge Used for resilient materials including sponge				C	For urethane	107-12750		
For heavy sponge Used for more resilient materials	Thick 	B	For urethane		107-11752			
Right single-sided presser Used for sewing material edges	 1mm	C	Right single-sided presser		D	Right single-sided presser		107-12859
Left single-sided presser Used for sewing material edges	 1mm	D	Left single-sided presser		E	Left single-sided presser		
For piping Used for the general piping process		E ~ H For piping			F ~ J For piping			
For piping The position of the needle can be adjusted according to the pipe to be sewn	Adjustable 	J ~ M Adjustable presser for piping		3 107-47350 4 107-47459 5 107-47558 6 107-47657				
Wide type To be used when a sewing product cannot be smoothly fed		(special order)			(special order)			
		107-12057			107-13055			

Feed dog			
			
107-17106	107-17205	107-17304	107-39001
S	Standard	A	Without a groove Used when the needle thread does not interlace consisting with the bobbin thread at the start of sewing.
		B	For thin thread
			Wide type (special order)

Throat plate	
	
107-01704	107-02009
Standard	Wide type (special order)

■ INTERCHANGEABLE GAUGE PARTS

● LU-2260N-7 • LU-2260W-7

Needle gauge	Typical part Nos. *	Needle clamp	Presser foot	Walking foot	Needle plate	Feed dog	Slide plate	
							Left	Right
								
4mm (Special order)	107-84551	107-77555	107-81557	107-83058	107-84502	107-80005	107-86309	107-01803
6mm	107-84650	107-77654	107-81656	107-83157	107-84601	107-80104		
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		
14mm (Special order)	107-85053	107-78058	107-82050	107-83553	107-85004	107-80500		
16mm (Special order)	107-85152	107-78157	107-82159	107-83652	107-85103	107-80609		
18mm (Special order)	107-85251	107-78256	107-82258	107-83751	107-85202	107-80708	107-86507	107-86101
20mm	107-85350	107-78355	107-82357	107-83850	107-85301	107-80807		
22mm (Special order)	107-85459	107-78454	107-82456	107-83959	107-85400	107-80906		
24mm (Special order)	107-85558	107-78553	107-82555	107-84056	107-85509	107-81003		
30mm (Special order)	107-85657	107-78652	107-82654	107-84155	107-85608	107-81102		
36mm (Special order)	107-85756	107-78751	107-82753	107-84254	107-85707	107-81201	107-86606	107-86200

* The right and left slide plates are not included in the parts represented by the typical part numbers.

■ SPECIFICATIONS

Model name	LU-2210N-7	LU-2210W-7	LU-2260N-7	LU-2260W-7
	1-needle		2-needle	
Max. sewing speed	3,500rpm			
Max. stitch length	9mm (normal/reverse feed)		6mm (normal/reverse feed)	
Needle bar stroke	33.8mm			
Needle gauge (mm)			6, 8, 10 (standard), 12, 20*	
Lift of the presser foot	By hand: 9mm, By knee: 16mm (max)			
Auto lifter	Provided as standard (pneumatic auto-lifter: AK79)			
Thread take-up	Link type			
Alternating vertical movement	1 ~ 6.5mm			
Hook	Vertical-axis 1.6 fold-capacity hook	Vertical-axis double-capacity hook	Vertical-axis 1.6 fold-capacity hook	Vertical-axis double-capacity hook
Needle (at the time of delivery)	134 x 35 (Nm140) Nm100 ~ Nm180		134 x 35 (Nm140) Nm100 ~ Nm160	
Thread	#30 ~ #4, B46 ~ B138, Nm=60/3 ~ 20/3		#20 ~ #5, B64 ~ B138, Nm=40/3 ~ 20/3	
Safety mechanism	Provided as standard			
Lubrication	Automatic			
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)			
Distance from needle to machine arm	264mm			
Bed size	517mm x 178mm			
Weight of the machine head	55kg		58kg	
Automatic reverse feed function	Provided as standard			
Compressed air and air consumption	0.5MPa (5kgf/cm ²), 0.3Nℓ/min			
Power requirement	Single-phase 100 ~ 120V, 220 ~ 240V 3-phase 200 ~ 220V, 220 ~ 240V			

* Configured for needle gauge widths from 4mm to 36mm (LU-2260N-7) and 4mm to 30mm (LU-2260W-7).
Note that gauges not given above are also available on special order.

■ WHEN YOU PLACE ORDERS

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

Hook	Code
1.6 fold-capacity hook	N
Double-capacity hook	W

Feed dog	Code
Standard (with groove)	S
Without groove	A
For thin thread (2.5mm x 1.6mm)	B

DL function	Code
Provided with DL function/ knee switch type	B

LU2210 B70B

Walking foot	Code
Standard	A
For urethane	B
Right single-sided presser	C
Left single-sided presser	D
For piping 3mm	E
For piping 4mm	F
For piping 5mm	G
For piping 6mm	H
Adjustable type for piping 3mm	J
Adjustable type for piping 4mm	K
Adjustable type for piping 5mm	L
Adjustable type for piping 6mm	M

Presser foot	Code
Standard	A
For material with overlapped sections	B
For urethane	C
Right single-sided presser	D
Left single-sided presser	E
For piping 3mm	F
For piping 4mm	G
For piping 5mm	H
For piping 6mm	J
Pressing face is reduce	K

Option	Code
Not provided	Z
AE-9 (Bobbin thread remaining amount detecting device)	A*

* For the hook group N (1.6 fold-capacity hook) only, the option group A (equipped with a AE-9) can be selected.

LU2260 S SB70B

Hook	Code
1.6 fold-capacity hook	N
Double-capacity hook	W

Needle gauge	Code
6mm	B
8mm	C
10mm (standard)	D
12mm	E
20mm	J

Walking foot/ Presser foot/feed dog	Code
Standard	S

Option	Code
Not provided	Z
AE-9 (Bobbin thread remaining amount detecting device)	A*

* For the hook group N (1.6 fold-capacity hook) only, the option group A (equipped with a AE-9) can be selected.

Stitch length	Code
6mm	S

DL function	Code
Provided with DL function/ knee switch type	B

● PSC box/operation panel for SC

SC380

PSC box			Code
For General Export	Single-phase	220 ~ 240V	07
	3-phase	200 ~ 220V	11
For JUS (LA)*	Single-phase	110 ~ 120V	37
	3-phase	220 ~ 240V	38
For CE	Single-phase	220 ~ 240V	34

Operation panel		Code
Not provided		00000
Operation panel display language: English. Instruction manual comes in three different languages.		E500B
Operation panel display language: English. Instruction manual comes in five different languages.		E500C

● Motor for SC

M

Motor			Code
For General Export	Single-phase	220 ~ 240V	60
	3-phase	220 ~ 240V	60
For JUS (LA)*	Single-phase	110 ~ 120V	61
	3-phase	220 ~ 240V	62
For CE	Single-phase	220 ~ 240V	63

* JUS: North America and Central and South America.

■ ATTACHMENT

Part name	Part No.
H152 (suspended ruler)	MAH-152010A0

● To order, please contact your nearest JUKI distributor.

JUKI
JUKI CORPORATION
INTERNATIONAL SALES H.Q.

8-2-1, KOKURYO-CHO, CHOFU-SHI,
TOKYO 182-8655, JAPAN
PHONE : (81) 3-3480-2357, 2358
FAX : (81) 3-3430-4909, 4914
http://www.juki.com

* 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 catalog is printed on recycle paper.