

JUKI

LU-1510NA-7

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



LU-1510NA-7/CP-180

*Photo shown with optional DL device.

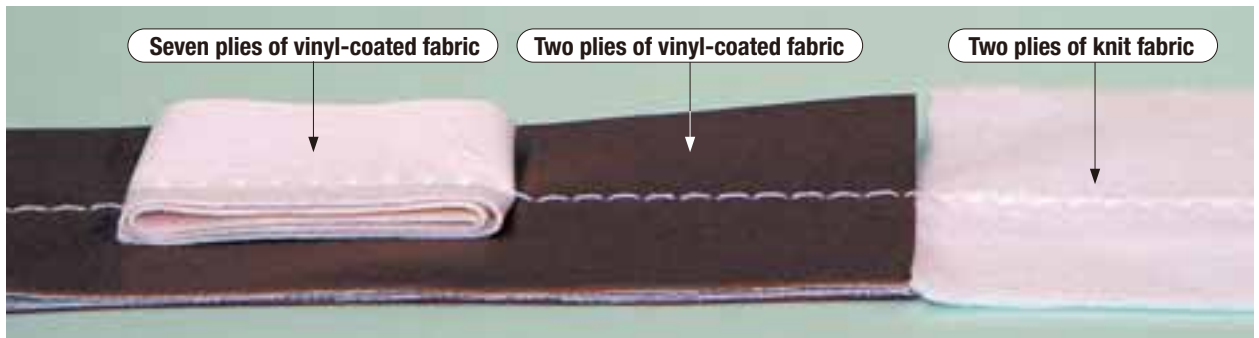
For sewing car seats

LU-1510NA-7

The machine demonstrates sewing capabilities best suited for sewing car seats of light- to heavy-weight materials without using any additional devices.

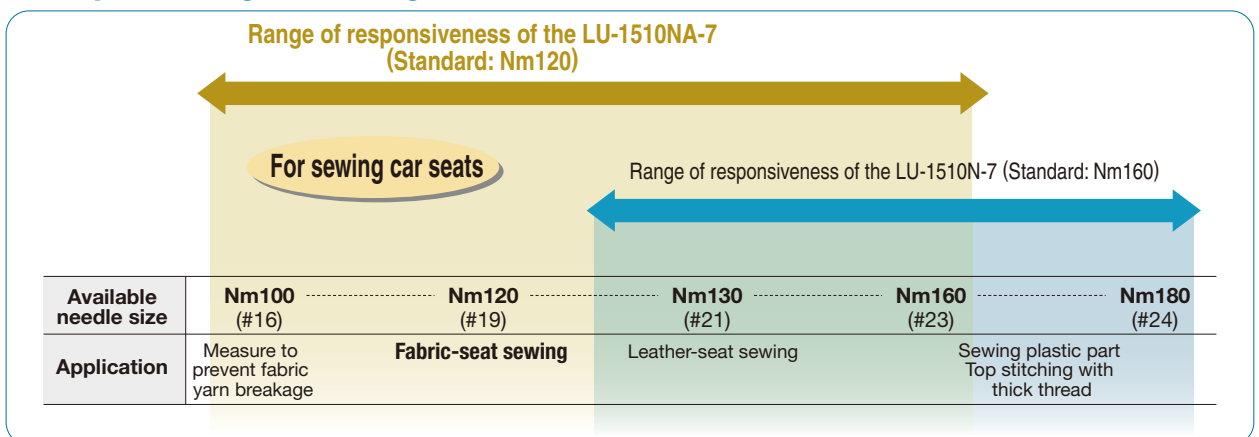


■ Responsiveness to a broader range of materials



Taking an extreme example, in a process where different types of materials are used or where materials that differ in thickness are used, the machine is able to sew the materials in one shot without adjusting the needle thread tension. The machine, therefore, reduces the load applied to the materials and produces uniformly-tensed stitches with consistency.

■ Adaptable range of sewing



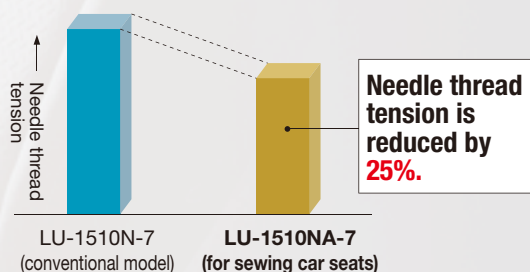
For sewing car seats

Car seats are intended to keep drivers safe and comfortable. To achieve this purpose, car seats of a good design are required. In addition, specially fabricated materials (such as special light-weight materials) are widely used. The machine is capable of sewing a broader range of materials, from light-weight materials, which are hard for conventional feed dogs to handle and gauges designed for medium- to heavy-weight materials.

Features

- The machine prevents fabric yarn breakage when using a thin needle.
- The machine is able to perform low-tension sewing where less of a load is applied to the material.

■ Comparison of needle-thread tension under the same conditions



The LU-1510NA-7 is able to consistently sew adequately-tensed stitches with a needle-thread tension that is **"25%"** lower than that of the conventional models. With this feature, the machine is adaptable to light-weight materials and is capable of reducing puckering.

■ LIST OF GAUGE COMPONENTS

● Feed dog

Classification	Standard	Option	Option
Part No.	40051616	40051615	40041248
Part	Feed dog (2.5×3.5)	Feed dog (φ2)	Feed dog (2×3)
Shape			
Applicable needle size	Nm120~Nm160 #19~#23	Nm100~Nm120 #16~#19	Nm100~Nm130 #16~#21
Applicable thread size	#30~#5	#30~#8	#30~#5
Application	• Prevention of needle breakage when sewing rigid resin parts	• For thin needle	—

● Throat plate

Classification	Standard	Option
Part No.	40041238	40051724
Part	Throat plate	Throat plate (without a groove)
Shape		
Application	—	• Prevention of needle thread breakage caused by the presser foot • Prevention of damage to the materials

● Walking foot

Classification	Standard
Part No.	40041246
Part	Upper feed foot (asm.)
Shape	

● Presser foot

Classification	Standard
Part No.	40041243
Part	Presser foot (asm.)
Shape	

SPECIFICATIONS

Model name	LU-1510NA-7 (for sewing car seats)
Max. sewing speed	2,000sti/min
Max. stitch length	7mm (forward / backward)
Needle	135×17, SY3355 Nm120 (at the time of delivery) Nm100~Nm160
Needle bar stroke	38mm
Pitch changing method	By dial
Thread take-up	Slide type
Hook	Vertical-axis double-capacity hook
Lift of the presser foot	By hand: 9mm, Auto: 16mm
Alternating vertical movement	1~6.5mm
Lubrication	Automatic
Lubricating oil	JUKI New Defrix Oil No.2 (equivalent to ISO VG32)
DL device (option)	DL25: Instantaneous change-over device for the alternate vertical movement amount 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.

* "sti/min" stands for "Stitches per Minute."

WHEN YOU PLACE ORDERS

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

● Machine head

LU1510NA70BAK151B **Z**

Pneumatic auto-lifter	Code
Pedal switch type	AK151B

DL device	Code
Not provided	Z
Provided	A

● Control box

SC922A

Power supply	Code
Single-phase 100~120V	S
3-phase 200~240V	D
Single-phase 200~240V (for general export)	K
Single-phase 200~240V (for ce)	N
Single-phase 200~240V (for china)	U

● Motor for SC

M51N

● Operation panel

CP180C
CP18C

● To order, please contact your nearest JUKI distributor.



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:

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

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