

JUKI
JUKI CORPORATION
 SEWING MACHINERY & SYSTEMS BUSINESS UNIT

2-11-1, TSURUMAKI, TAMA-SHI,
 TOKYO 206-8551, JAPAN
 PHONE : (81) 42-357-2383
 FAX : (81) 42-357-2274

<http://www.juki.com>

Non-appear

Flat-bed Sewing Machine DDL-8700L DDL-5600N-7, 5600N DU-1281-7 DU-1181N-7/X73096, 1181N DU-141H-7, 141H DNU-1541-7, 1541S, 1541 DNU-1541-7-0BB/X55270, 1541/X55245 DNU-1541/X55247 LU-1508N, 1509N LU-1510N, 1510N, 1511N-7 LU-1510NA-7 LU-1510NA-7/X55500 LU-1520NCS-7 LU-1560N-7, 1560N LU-1561N-7, 1561N, 1565 LU-2810-7, 2810, LU-2860-7, 2860 LU-2818AL-7, 2868AL-7 LU-2828A-7 LU-2810ESAL-7, 2818ESAL LU-2810A-7/X73178 LU-2810-6, 2860-6, 2828A-6 LU-2210N-7, 2210W-7 LU-2212N-7, 2220N-7 LU-2260N-7, 2260W LZH-1290-7, 1290 *Cylinder-bed Sewing Machine* DSU-145-7, 145U DSC-244U, 245U, 246U, 245-7, 246-7 DSC-245-7-0B/X55167, 245U/X55200, 245U/X55278 LS-2342-7, LS-2342 LS-1342-7, 1342, 1341, 1340 LS-1341/X55287LS-1342-7-0BB/X55275, 1342/X55274, 1342/X55280 *Post-bed Sewing Machine* PLC-2710-7, 2710 PLC-2760-7, 2760, 2760L, 2765 PLC-1710-7, 1710 PLC-1760-7, 1760, 1760L PLC-1690, 1691 PLH-981U, 982 PLN-985U *Long Arm Sewing Machine* LU-2216N-7, 2266N-7 LG-158-1U, 158U TSC-461U *Flat-bed Sewing Machine for Extra Heavy-weight Materials* TNU-243U TU-273U *Cylinder-bed Sewing Machine for Extra Heavy-weight Materials* TSH-411U TSN-421U TSC-441U TSU-471U *Shape-tacking Machine* LK-1900B-HS, 1900B-HS/X73186, 1900B-W LK-1942HA, 1942GA, 1941ZA, 1942ZA/5050 PGM-7 LK-1910, 1920, 1930 *Computer-controlled Cycle Machine* AMS-251 AMS-224EN-4530R/AW3 AMS-221EN-4530R AMS-210EN-1306, 1510, 2210 AMS-221EN-2516, 302 AMS-224EN-4530, 6030, AMS-224ENHC10050 AMS-221EN-3020/X7910 AMS-224EN-4530/X7910, 6030/X7910 AMS-224ENHC10050/X7970 AMS-224EN-6060 AMS-210EN-HL1306/7300 AMS-210E HL2210/TF10 AMS-221EN-TS3020 *Automatic Machine* AB-1360/CR10 AP-1360 *Others* MO-6900C Series LBH-17 A Series *Motor and Device* SC-920/M51N Series M-1 *Flat-bed Sewing Machine* DDL-8700L DDL-5600N-7, 5600N DU-1281-7 DU-1181N-7/X73096, 1181N DU-141H-7, 141H DU-1541-7, 1541S, 1541 DNU-1541-7-0BB/X55270, 1541/X55245 DNU-1541/X55247 LU-1508N, 1509N LU-1510N-7, 1510N, 1511N-7 LU-1510NA-7 LU-1510NA-7/X55500 LU-1520NCS-7 LU-1560N-7, 1560N LU-1561N-7, 1561N, 1565 LU-2810-7, 2810, LU-2860-7, 2860 LU-2818AL-7, 2868AL-7 LU-2828A-7 LU-2810ESAL-7, 2818ESAL-7 LU-2810A-7/X73178 LU-2810-6, 2860-6, 2828A-6 LU-2210N-7, 2210W-7 LU-2212N-7, 2220N-7 LU-2260N-7, 2260W-7 LZH-1290-7, 1290 *Cylinder-bed Sewing Machine* DSU-145-7, 145U DSC-244U, 245U, 246U, 245-7, 246-7 DSC-245-7-0B/X55167, 245U/X55200, 245U/X55278 LS-2342-7, LS-2342 LS-1342-7, 1342, 1341, 1340 LS-1341/X55287LS-1342-7-0BB/X55275, 1342/X55274, 1342/X55280 *Post-bed Sewing Machine* PLC-2710-7, 2710 PLC-2760-7, 2760, 2760L, 2765 PLC-1710-7, 1710 PLC-1760-7, 1760, 1760L PLC-1690, 1691 PLH-981U, 982 PLN-985U *Long Arm Sewing Machine* LU-2216N-7, 2266N-7 LG-158-1U, 158U TSC-461U *Flat-bed Sewing Machine for Extra Heavy-weight Materials* TNU-243U TU-273U *Cylinder-bed Sewing Machine for Extra Heavy-weight Materials* TSH-411U TSN-421U TSC-441U TSU-471U *Shape-tacking Machine* LK-1900B-HS, 1900B-HS/X73186, 1900B-W LK-1942HA, 1942GA, 1941ZA, 1942ZA/5050 PGM-7 LK-1910, 1920, 1930 *Computer-controlled Cycle Machine* AMS-251 AMS-224EN-4530R/AW3 AMS-221EN-4530R AMS-210EN-1306, 1510, 2210 AMS-221EN-2516, 302



Registered Organization : JUKI CORPORATION Head Office
 The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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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.

Pictographs for Function

Needle	Feed	Stitch shape
2-needle	Bottom-feed	Zigzag stitching
Organized split needle bar	Needle-feed	Lockstitch buttonholing
	Differential-feed	Shorter-thread remaining functions
	Top and bottom-feed	shoelace loop attaching
	Unison-feed	
	X-Y drive	
	R-θ drive	
	Alternating foot stroke adjusting dial	

Hook
Horizontal-axis hook (large)
Horizontal-axis hook (3 fold-capacity)
Vertical-axis hook (large)
Vertical-axis hook (extra large)

Function
Active tension
Automatic thread trimmer
Cloth cutting knife

DI INNOVATION Dry-head, Intelligent Direct-drive Sewing Machine

DIGITAL SEWING SYSTEM Digital Sewing System

Applications



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Flat-bed Sewing Machine

1-needle, Lockstitch Machine

DDL-8700L

This is a newly designed JUKI's unique lockstitch machine. The machine is able to sew at a pitch as long as 7mm for both normal and reverse feed directions. With the adoption of a feed mechanism and thread take-up lever, the machine achieves increased efficiency of feed and well-tensed stitches. It is a basic lockstitch machine suited for sewing leather or heavy materials such as bags, pouches and purses.

Model name	DDL-8700L
Max. sewing speed	4,000sti/min
Max. stitch length	7mm
Presser foot	By knee: 13mm
Needle	DBx1 #16~#23
Thread	#40~#8, B33~B92, Nm=90/3~30/3



DDL-8700L

1-needle, Lockstitch Machine with Double-capacity Hook

DDL-5600N-7 DDL-5600N

The machine is capable of making well-tensed, beautifully finished seams, regardless of the type of heavy materials.

Model name	DDL-5600N-7, 5600NL
Max. sewing speed	3,000sti/min
Max. stitch length	8mm
Presser foot	By knee: 13mm
Needle	DBx1 (#21) #20~#23
Thread	#30~#8, B46~B92, Nm=60/3~30/3



DDL-5600N-7

1-needle, Top and Bottom-feed, Lockstitch Machine with Double-capacity Hook

DU-1281-7

The thread trimmer achieves consistent thread trimming regardless of thickness of the thread, i.e., from thin to thick thread. The DU-1281-7 is suited to the sewing and decorative shape-tacking of heavy-weight materials such as car seats, sofas, bags, stroller and tents.

Model name	DU-1281-7
Max. sewing speed	2,000sti/min
Stitch length	2~8mm (forward/backward)
Lift of the presser foot	By hand: 6mm, By knee: 16mm
Alternating vertical movement	2~5mm
Needle	DPx17 (#22) #16~#23
Thread	#30~#8, B46~B92, Nm=60/3~30/3



DU-1281-7

1-needle, Top and Bottom-feed, Lockstitch Machine with Double-capacity Hook

DU-1181N-7/X73096 DU-1181N

With its strong top and bottom feed mechanism, the machine insures the smooth feeding of hard-to-feed materials or multi-layered sections of materials to achieve consistent seam quality that is free from irregular stitch pitches. The automatic lubricating mechanism dramatically improves maintainability of

Model name	DU-1181N-7/X73096	DU-1181N
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Presser foot	By knee: 15mm	
Alternating vertical movement	2~5mm	
Needle	DPx17 (#21) #14~#23	
Thread	#40~#8, B33~B92, Nm=90/3~30/3	

*DU-1181N-7/X73096 is available on a custom order. Contact JUKI for how to place an order.



DU-1181N

1-needle, Top and Bottom-feed, Lockstitch Machine

DU-141H-7 (with double-capacity hook) DU-140U

The basic sewing machine equipped to sew heavy-weight materials promises consistent seam quality and outstanding operability.

Model name	DU-141H-7	DU-140U
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Presser foot	By knee: 15mm	
Alternating vertical movement	2~5mm	
Needle	DBx1 (#21) #14~#23	
Thread	#40~#8, B33~B92, Nm=90/3~30/3	



DU-141H-7

1-needle, Unison-feed, Lockstitch Machine with Double-capacity Hook

DNU-1541-7 DNU-1541S (with safety mechanism) DNU-1541

With its larger needlebar stroke, higher presser foot lift, and newly adopted double-tension mechanism, the machine offers excellent sewing capabilities and responsiveness. The machine's rectangular feeding motion promises the consistent feeding of materials of all thicknesses without stitch gathering.

Model name	DNU-1541-7	DNU-1541S, 1541
Max. sewing speed	3,000sti/min	2,500sti/min
Max. stitch length	9mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	1~6.5mm	2.5~6.5mm
Needle	135x17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~15/3	

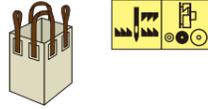


DNU-1541-7

Flat-bed Sewing Machine

1-needle, Unison-feed, Lockstitch Machine with Double-capacity Hook

DNU-1541-7-0BB/X55270 (for container bag) 
DNU-1541/X55245 (for thick thread) 



DNU-1541/X55245 is able to sew a broad range of materials from genuine leather materials to lining materials. Excellent seam tightness on genuine leather and far less puckering on lining.
 DNU-1541-7-0BB/X55270 is provided as standard with an external bobbin winder for supplying the large amount of thread required to sew a container bag.



DNU-1541/X55245

Model name	DNU-1541-7-0BB/X55270	DNU-1541/X55245
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Needle bar stroke	36mm	38mm
Needle	134×17(Nm200) Nm125~Nm200	134×17(Nm160) Nm125~Nm160
Thread	#30~#5, B46~B138, Nm=60/3~20/3	#20~#0, B46~B207, Nm=40/3~15/3

1-needle, Needle-feed, Lockstitch Machine with Double-capacity Hook

DNU-1541/X55247 (for thick thread) 



The machine is created by converting the standard machine into a needle-feed mechanism, and with new rectangular feed which helps reduce gathered stitches, it offers excellent responsiveness to the sewing of thick thread (Needle thread #1/Bobbin thread #1). The machine is best-suited for sewing such as thick thread decorative stitches on jeans.



DNU-1541/X55247

Model name	DNU-1541/X55247
Max. sewing speed	2,500sti/min
Max. stitch length	7mm
Needle bar stroke	36mm
Needle	134×17 (Nm160) Nm125~Nm180
Thread	#30~#1, B46~B207, Nm=60/3~15/3

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-1508N (standard gauge) 
LU-1509N (gauge for europe) 



The maximum stitch length is 10mm. The complete rectangular feed locus enables accurate feed of extra heavy materials while preventing stitch gathering. With its sufficient needlebar stroke of 38mm and long 190R needle, the machine supports the sewing of extra heavy materials. The machine comes with an extra large steel handwheel with a diameter as large as $\phi 175$.



LU-1508N

Model name	LU-1508NS, 1509NS	LU-1508NH, 1509NH
Application	Heavy-weight	Extra heavy-weight
Max. sewing speed	2,500sti/min	2,000sti/min
Max. stitch length	9mm	10mm
Presser foot	By knee: 16mm	
Alternating vertical movement	2.5~6.5mm	
Needle	190(R) or 135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	#20~#1, B69~B207, Nm=40/3~8/3

Flat-bed Sewing Machine

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-1510N-7 (standard gauge) 
LU-1510N (standard gauge) 
LU-1511N-7 (gauge for europe) 



This one-needle machine with a thread trimmer utilizes a basic performance which matches best to the sewing of medium to heavy materials. The machine's rectangular feeding motion promises the consistent feeding of materials of all thicknesses



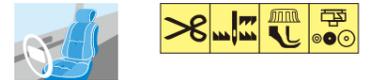
LU-1510N-7

Model name	LU-1510N-7, 1511N-7	LU-1510N
Max. sewing speed	3,000sti/min	2,500sti/min
Max. stitch length	9mm	
Presser foot	Auto: 16mm	By knee: 16mm
Alternating vertical movement	1~6.5mm	2.5~6.5mm
Needle	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	

★ 5-way switch is an option.

1-needle, Unison-feed, Lockstitch, Machine with Vertical-axis Large Hook

LU-1510NA-7 (for sewing car seats) 



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

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

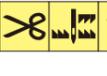


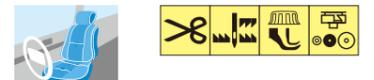
LU-1510NA-7

Model name	LU-1510NA-7
Max. sewing speed	2,000sti/min
Max. stitch length	7mm
Presser foot	Auto: 16mm
Alternating vertical movement	1~6.5mm
Needle	135×17 (Nm120) Nm100~Nm160
Thread	TEX 50~135

★ 5-way switch is an option.

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-1510NA-7/X55500 (for sewing car seats) 



Best-suited for plants manufacturing car seats. Beautifully finished seams are produced by increasing the feed efficiency.



LU-1510NA-7/X55500

Model name	LU-1510NA-7/X55500
Max. sewing speed	2,000sti/min
Max. stitch length	7mm
Presser foot	By hand: 9mm, By knee: 16mm
Alternating vertical movement	1~6.5mm
Needle	135×17 (Nm120) Nm100~Nm160
Thread	#30~#5, B46~B138, Nm=60/3~20/3

Flat-bed Sewing Machine

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-1520NCS-7 (with a shorter-thread remaining type thread trimmer)

This model of sewing machine is a straight knife with a shorter-thread remaining type thread trimmer. It is based on the tried-and-trusted LU-1510NA-7 Series and achieves the best-suited seam quality for sewing car seats. In addition, thread nipping process which has been conventionally required at the end of sewing is no longer required, thereby eliminating concern about damages on sewn products by scissors.

Model name	LU-1520NCS-7
Max. sewing speed	2,000sti/min
Max. stitch length	7 mm (normal/reverse feed)
Presser foot	By hand: 9mm, Auto: 16mm
Alternating vertical movement	1~6.5mm
Needle	135x17(Nm120) Nm100~Nm160
Thread	#30~#5



LU-1520NCS-7

2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hooks

LU-1560N-7 (standard gauge) LU-1560N (standard gauge)

LU-1561N-7 (gauge for europe) LU-1561N (gauge for europe)

LU-1565N (with organized split needle bar)

The two-needle machine with a thread trimmer offers basic performance that is ideally suited to sewing heavy materials. The machine utilizes a new mechanism that does not change the ratio of the alternate vertical movement of the walking foot and presser foot, even when the material thickness changes. The mechanism helps prevent slippage between the upper and lower materials even when a heavy material is used.

Model name	LU-1560N-7, 1561N-7	LU-1560N, 1561N	LU-1565N
Max. sewing speed	2,500sti/min		2,000sti/min
Max. stitch length	9mm		
Presser foot	Auto: 16mm	By knee: 16mm	By knee: 13mm
Alternating vertical movement	1~6.5mm	2.5~6.5mm	
Needle	135x17 (Nm160) Nm125~Nm180		
Thread	#30~#5, B46~B138, Nm=60/3~20/3		



*5-way switch is an option.

LU-1560N-7

Semi-dry Direct-drive, Unison-feed, Lockstitch Sewing System with automatic thread trimmer

LU-2828V-7 (1-needle, Vertical axis 2.7 fold-capacity hook / Shorter - thread remaining type)

LU-2860V-7 (2-needle, Vertical axis 2.0 fold-capacity hook)

This model digitalizes adjustment values required for sewing and easily transfers them to the main body of sewing machine by means of the ICT. This sewing system is the flag ship model of sewing machines that are specifically developed for sewing heavy-weight materials for car seats and sofas such as leather, artificial leather and heavy-weight fabric. Five adjustment values (stitch length, presser foot height, pressure foot pressure, alternate vertical movement amount of the walking foot and needle thread tension) required for sewing are digitalized.

Model name	LU-2828V-7	LU-2860V-7
Max. sewing speed	3,500sti/min	
Gauge	A: Gauge for europe	
Max. stitch length	9mm	12mm
Presser foot	20mm	
Alternating vertical movement(DL)	9mm	
Needle	134x35 (Nm140) Nm125~Nm180	134x35 (Nm160) Nm125~Nm200
Thread	#30~#5	#30~#0



LU-2828V-7

Management, browsing and editing of data can be carried out on the application software

Data on sewing machine adjustments made according to the product to be sewn can be transferred to a commercially-available Android tablet in contactless mode. This enables quick check for uniform settings as well as confirmation of conditions of sewing machines in a sewing line, thereby facilitating setup changes. The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.



The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

Flat-bed Sewing Machine

Semi-dry Direct-drive, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-2810-7 (2.0 fold-capacity hook, 2-pitch dial)

LU-2810 (2.0 fold-capacity hook)

High and long arm has been adopted. The machine is suited to the sewing of car seats, sofas and bags. It is a sewing machine provided with dramatically improved workability and functions which are required for sewing large products and extra heavy-weight materials.

Model name	LU-2810-7	LU-2810
Max. sewing speed	3,000sti/min	
Gauge	S: Standard gauge, A: Gauge for europe	
Max. stitch length	9mm	
Presser foot	By hand: 10mm, Auto: 20mm	By knee: 20mm
Alternating vertical movement	1~9mm	
Needle	135x17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



LU-2810-7

Semi-dry Direct-drive 2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hooks

LU-2860-7 (2.7 fold-capacity hook, 2-pitch dial, long-pitch type)

LU-2860 (2.7 fold-capacity hook, 2-pitch dial, needle thread roll-in and shorter-thread remaining type)

High and long arm has been adopted. The machine is suited to the sewing of car seats, sofas and bags. It is a sewing machine provided with dramatically improved workability and functions which are required for sewing large products and extra heavy-weight materials.

Model name	LU-2860-7	LU-2860
Max. sewing speed	2,700sti/min	
Gauge	S: Standard gauge, A: Gauge for europe	
Max. stitch length	9mm	
Presser foot	By hand: 10mm, Auto: 20mm	By knee: 20mm
Alternating vertical movement	1~9mm	
Needle	135x17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



LU-2860

Semi-dry Direct-drive, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook (2.7 fold-capacity hook, 2-pitch dial, long-pitch type)

LU-2818AL-7 (1-needle)

LU-2868AL-7 (2-needle)

This model is the most-desired sewing machine for sewing furniture such as sofas. It is best-suited to topstitching with a long stitch pitch. During the topstitching process, the longer distance from the machine arm to the bed, in particular, effectively demonstrates the machine's improved workability.

Model name	LU-2818AL-7	LU-2868AL-7
Max. sewing speed	3,000sti/min	2,700sti/min
Gauge	A: Gauge for europe	
Max. stitch length	12mm	
Presser foot	By hand: 10mm, Auto: 20mm	
Alternating vertical movement	1~9mm	
Needle	135x17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



LU-2868AL-7

Flat-bed Sewing Machine

Semi-dry Direct-drive, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook



LU-2828A-7 (2.7 fold-capacity hook, 2-pitch dial, needle thread roll-in and shorter-thread remaining type)

The shorter-thread remaining type LU-2828A-7 is a high-performance sewing machine. It leaves a shorter thread on the material at the beginning of sewing by means of the needle thread clamp device, as well as at the end of sewing by means of the thread trimmer which is provided with a shorter-thread remaining function. This means that manual thread nipping both at the beginning and at the end of sewing is no longer required, thereby helping reduce operator fatigue. Thanks to the adoption of a 2.7 fold-capacity hook, the frequency of bobbin thread changing is reduced and workability is improved.



LU-2828A-7

Model name	LU-2828A-7
Max. sewing speed	3,000sti/min
Gauge	A: Gauge for europe
Max. stitch length	9mm
Presser foot	By hand: 10mm, Auto: 20mm
Alternating vertical movement	1~9mm
Needle	134x35 (Nm140) Nm125~Nm180
Thread	#30~#5, B46~B138, Nm=60/3~20/3

Semi-dry Direct-drive, High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook with automatic thread trimmer (long-pitch type)



LU-2810ESAL-7 (Long-pitch type (2.0 fold-capacity hook))

LU-2818ESAL-7 (Long-pitch type (2.7 fold-capacity hook))

LU-2828ESA-7 (2.7 fold-capacity hook, shorter-thread remaining type)

Increased maximum sewing speed of 3,800 sti/min* (LU-2810ESAL-7, 2.0 fold-capacity hook) and 3,500 sti/min* (LU-2818ESAL-7 and LU-2828ESA-7, 2.7-fold-capacity hook) is achieved. These models of sewing machines demonstrate increased productivity particularly when sewing long materials.

* The maximum sewing speed varies depending on sewing conditions.



LU-2810ESAL-7

Model name	LU-2810ESAL-7	LU-2818ESAL-7	LU-2828ESA-7
Max. sewing speed	3,800sti/min	3,500sti/min	
Max. stitch length	12mm	9mm	
Presser foot	Auto: 20mm, By hand: 10mm		
Alternating vertical movement	1~9mm		
Needle	135x17 (Nm160) Nm125~Nm200		
Thread	#30~#0, Nm=60/3~9/3		

Semi-dry Direct-drive, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis 2.7 fold-capacity Hook



LU-2810A-7/X73178

The machine is suited to sew car seats, sofas and bags, provided with dramatically improved workability and functions required for sewing large products and extra heavy-weight materials.



LU-2810A-7/X73178

Model name	LU-2810A-7/X73178
Max. sewing speed	3,000sti/min
Max. stitch length	9mm
Presser foot	By hand: 10mm, Auto: 20mm
Alternating vertical movement	1~9mm
Needle	135x17 (Nm160) Nm125~Nm180
Thread	#30~#5, B46~B138, Nm=60/3~20/3

Flat-bed Sewing Machine

Semi-dry, Unison-feed, Lockstitch Machine with Automatic Thread Trimmer of V-Belt Type



LU-2810-6 (1-needle, vertical-axis large hook)

LU-2860-6 (2-needle, vertical-axis large hooks)

LU-2828A-6 (vertical-axis 2.7 fold-capacity hook, needle thread roll-in and shorter-thread remaining type)

High and long arm has been adopted. The V-belt type machine head is added to the machine lineup following the Direct-Drive type. The machine is suited to the sewing of car seats, sofas and bags. It is a sewing machine provided with dramatically improved workability and functions which are required for sewing large products and extra heavy-weight materials.

(LU-2828A-6)

The shorter-thread remaining type LU-2828A-6 is a high-performance sewing machine. It leaves a shorter thread on the material at the beginning of sewing by means of the needle thread clamp device, as well as at the end of sewing by means of the thread trimmer which is provided with a shorter-thread remaining function. This means that manual thread nipping both at the beginning and at the end of sewing is no longer required, thereby helping reduce operator fatigue. Thanks to the adoption of a 2.7 fold-capacity hook, the frequency of bobbin thread changing is reduced and workability is improved.



LU-2828A-6

Model name	LU-2810-6	LU-2860-6	LU-2828A-6
Max. sewing speed	3,000sti/min	2,700sti/min	3,000sti/min
Gauge	S: Standard gauge, A: Gauge for europe		Gauge for europe
Max. stitch length	9mm		
Presser foot	By hand: 10mm, Auto: 20mm		
Alternating vertical movement	1~9mm		
Needle	135x17 (Nm160) Nm125~Nm180		134x35 (Nm140) Nm125~Nm180
Thread	#30~#5, B46~B138, Nm=60/3~20/3		

High-speed, 2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hooks



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

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

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

Model name	LU-2260N-7, 2260W-7
Max. sewing speed	3,500sti/min
Max. stitch length	6mm
Presser foot	Auto: 16mm
Alternating vertical movement	1~6.5mm
Needle	134x35R (Nm140) Nm110~Nm160
Thread	#20~#5, B69~B138, Nm=40/3~20/3

1-needle, Lockstitch, Zigzag Stitching Machine with Large Hook



LZH-1290-7

LZH-1290

The machine tenses thread uniformly over the zigzag stroke to produce beautifully finished stitches at a high speed. With its extended zigzag with, higher presser foot lift, and newly introduced horizontal-axis double-capacity hook, the machine upgrades the functions required for the sewing of heavy materials.



LZH-1290-7

Model name	LZH-1290-7	LZH-1290
Max. sewing speed	2,000sti/min	
Max. stitch length	6mm	
Presser foot	By knee: 11mm	By knee: 14mm
Zigzag width	Max. 8mm (adjustable to 10mm)	
Needle	SY1906 (Nm100) Nm90~Nm110	

Cylinder-bed Sewing Machine

Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine

DSU-145-7 (automatically lubricated for hook) 

DSU-145U (automatically lubricated for hook)

JUKI's DSU series sewing machines smoothly sew tubular materials such as bags and shoes, demonstrating outstanding capabilities when sewing small-diameter sections.

Model name	DSU-145-7	DSU-145U
Max. sewing speed	2,000sti/min	
Max. stitch length	6mm	
Presser foot	By knee: 13mm	By knee: 15mm
Alternating vertical movement	2~5mm	
Needle	DPx17 (#21) #14~#22	
Thread	#50~#8, B33~B92, Nm=120/3~30/3	



DSU-145-7

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine

DSC-244U

DSC-245U (automatically lubricated for hook) **DSC-245-7** (automatically lubricated for hook) 

DSC-246U (double-capacity hook)  **DSC-246-7** (double-capacity hook) 

The unison-feed provides the optimal feed efficiency by feeding heavy materials smoothly and firmly.

The diameter of the cylinder is as small as $\phi 46\text{mm}$ for a standard hook or $\phi 50\text{mm}$ for a double-capacity hook. The small-diameter cylinder is quite helpful for handling bags, shoes, and other small articles smoothly and easily.

Model name	DSC-244U(V)	DSC-245U(V), 245(V)-7	DSC-246U(V), 246(V)-7
Application	V type: attaching of piping tape		
Max. sewing speed	2,200sti/min		
Max. stitch length	6mm		
Presser foot	By knee: 13mm, 15mm (without trimmer)	By knee: 14mm By knee: 15mm (without trimmer)	
Alternating vertical movement	3.0~4.8mm		
Needle	DPx17(#18) #14~#21	DPx17(#21) #14~#23	
Thread	#50~#20, B33~B69, Nm=120/3~40/3	#50~#8, B33~B92, Nm=120/3~30/3	



DSC-245-7

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine

DSC-245-7-0B/X55167 (standard hook)  

DSC-245U/X55200 (standard hook)

DSC-245U/X55278 (standard hook and binder)

The machine provides good tightness of seams even with lower thread tension, and reduces the variances of stitch length at high and low speed. Thanks to a slide take-up lever, the responsiveness to thick threads has been further improved, and the ratio of alternating vertical movement remains unchanged even with the changes of material thickness.

Model name	DSC-245-7-0B/X55167	DSC-245/X55200	DSC-245/X55278
Max. sewing speed	2,200sti/min		
Max. stitch length	6mm (normal/reverse feed)		
Lift of the presser foot	By hand: 9mm, By knee: 16mm (max.)		
Alternating vertical movement	2.5~6.5mm		
Needle	135x17 (Nm130) Nm100~Nm180		
Thread	#50~#8, B33~B92, Nm=120/3~30/3		



DSC-245/X55200

Cylinder-bed Sewing Machine

Semi-long arm, cylinder-bed, 1-needle, unison-feed, lockstitch machine with a vertical-axis large hook

LS-2342-7 

LS-2342

For this sewing machine, the distance from machine arm to needle has been increased to respond to the sewing of bags and furniture.

The machine inherits excellent operability of the predecessor model, and is provided with substantially improved workability and capabilities that are required for sewing large materials and extra heavy-weight materials.

Model name	LS-2342S-7	LS-2342S	LS-2342H-7	LS-2342H
Application	Standard		Thick-thread type	
Max. sewing speed	2,500sti/min		2,000sti/min	
Max. stitch length	9mm (normal/reverse feed)			
Presser foot	By hand: 10mm, Auto: 20mm			
Alternating vertical movement	1~9mm			
Needle	134x35 (Nm140) Nm100~180		134x35 (Nm180) Nm100~180	
Thread	#30~#5	#40~#5	#20~#0	



LS-2342

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook

LS-1342-7 (gauge for small articles)   

LS-1342 (gauge for small articles)  

LS-1341 

LS-1340

The slimmed-down throat plate easily adjusts to the sewing of small tubular articles with diameters as small as $\phi 40\text{mm}$. This enhances the machine's ability to smoothly sew not only bags and shoes, but also small article such as wallets. The newly developed mode of highly rigid rectangular feed guarantees outstanding feed performance.

Model name	LS-1342-7, 1342	LS-1341, 1340
Max. sewing speed	2,500sti/min	2,000sti/min
Max. stitch length	6mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	1~6.5mm	2.5~6.5mm
Needle	135x17 (Nm160) Nm100~Nm180 (1342-7, 1342, 1341) 135x17 (Nm140) Nm100~Nm180 (1340)	
Thread	#30~#5, B46~B138, Nm=60/3~20/3 (1342-7) #40~#5, B33~B138, Nm=90/3~20/3 (1342, 1341) #50~#8, B33~B92, Nm=120/3~30/3 (1340)	



LS-1342-7

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook

LS-1341/X55287

(with dial for adjustment of alternating vertical movement)

The vertical stroke of the presser foot and walking foot (amount of alternating vertical movement) can be easily changed with the large dial mounted on the top of the machine head. This ensures ideal sewing conditions at all times.

Model name	LS-1341/X55287
Application	Heavy-weight
Max. sewing speed	2,000sti/min
Max. stitch length	6mm
Needle bar stroke	36mm
Needle	135x17 (Nm160) Nm125~Nm180
Thread	#30~#5, B46~B138, Nm=60/3~20/3



LS-1341/X55287

Cylinder-bed Sewing Machine

Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook

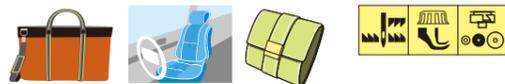
LS-1342-7-0BB/X55275 (thick-thread type) 

LS-1342/X55274 (thick-thread type)

LS-1342/X55280 (small-cylinder type)

LS-1342/X55280 is a machine with large vertical-axis hook which makes the throat plate on the tip of cylinder smallest to the utmost limit. Gauges for small articles are equipped as standard, therefore the machine is good at handling small articles and ideal for sewing articles with narrow gusset such as wallets and small bags.

LS-1342/X55274 and LS-1342-7-0BB/X55275 are machines which have more powerful feed and better responsiveness to thick thread the standard machines. The machine with automatic thread trimmer is provided as standard with an instantaneous change-over device for for the alternate vertical movement amount (DL device) and auto-lifter (AK device).



LS-1342/X55280



Model name	LS-1342-7-0BB/X55275	LS-1342/X55274	LS-1342/X55280
Max. sewing speed	2,000sti/min		
Max. stitch length	6mm (normal/reverse feed)		4mm (normal/reverse feed)
Hook	Vertical-axis 1.6 fold-capacity hook		
Needle thread tension control	Double tension type		
Needle	135x17 (Nm160) Nm100~Nm180		135x17 (Nm110) Nm100~Nm160
Thread	#30~#5, B46~B138, Nm=60/3~20/3	#20~#0, B69~B207, Nm=40/3~15/3	#40~#20, B33~B69, Nm=90/3

Post-bed Sewing Machine

Post-bed, 1-needle, Unison-feed, Lockstitch Machine

PLC-2710-7   
PLC-2710

It is the most-advanced sewing machine which is best-suited to the sewing of heavy weight materials sewing processes such as car-seats, sofas and sports goods. The long distance from the machine arm to the needle contributes to improved workability.

Model name	PLC-2710-7	PLC-2710
Max. sewing speed	2,500sti/min	
Max. stitch length	12mm	
Presser foot	Auto: 20mm, By hand: 10mm	By knee: 20mm
Alternating vertical movement	1~9mm	
Needle	135x17 (Nm140) Nm100~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~18/3	



PLC-2710-7

Post-bed, 2-needle, Unison-feed, Lockstitch Machine

PLC-2760-7   
PLC-2760  
PLC-2760L (thick-thread long-pitch type)  
PLC-2765 (with organized split needlebars)  

It is the most-advanced sewing machine which is best-suited to the sewing of heavy weight materials sewing processes such as car-seats, sofas and sports goods. The long distance from the machine arm to the needle contributes to improved workability.

Model name	PLC-2760-7	PLC-2760	PLC-2760L	PLC-2765
Max. sewing speed	2,500sti/min		2,000sti/min	2,500sti/min
Max. stitch length	12mm			
Presser foot	Auto: 20mm, By hand: 10mm	By knee: 20mm	Auto: 20mm, By hand: 10mm	Auto: 18mm, By hand: 10mm
Alternating vertical movement	1~9mm			
Needle	135x17 (Nm140) Nm100~Nm180		135x17 (Nm200) Nm140~Nm200	135x17 (Nm140) Nm100~Nm180
Thread	#30~#5, B46~B138, Nm=60/3~18/3		#8~#0, B92~B207, Nm=30/3~15/3	#30~#5, B46~B138, Nm=60/3~18/3



PLC-2760-7

Post-bed, 1-needle, Unison-feed, Lockstitch Machine

PLC-1710-7  
PLC-1710

This machine with a thread trimmer utilizes a basic performance which matches best to the sewing of heavy materials such as car seats and furniture. The vertical strokes of the presser foot and walking foot (amount of alternating vertical movement of the walking foot and presser foot) can be easily changed using the large dial mounted on the top of the machine head.

Model name	PLC-1710-7, 1710
Max. sewing speed	2,500sti/min
Max. stitch length	9mm
Presser foot	Auto: 16mm
Alternating vertical movement	1~6.5mm (1710-7, 1760-7, 1760L) 2.5~6.5mm (1710, 1760)
Needle	134x35 (Nm140) Nm110~Nm160
Thread	#30~#5, B46~B138, Nm=60/3~20/3



PLC-1710-7

Post-bed Sewing Machine

Post-bed, 2-needle, Unison-feed, Lockstitch Machine

PLC-1760-7   **PLC-1760**
PLC-1760L (thick-thread long-pitch type) 

This machine with a thread trimmer utilizes a basic performance which matches best to the sewing of heavy materials such as car seats and furniture. The vertical strokes of the presser foot and walking foot (amount of alternating vertical movement of the walking foot and presser foot) can be easily changed using the large dial mounted on the top of the machine head.

Model name	PLC-1760-7, 1760	PLC-1760L
Max. sewing speed	2,500sti/min	1,800sti/min (p=0~10mm) 1,600sti/min (p=10~12mm)
Max. stitch length	9mm	12mm
Presser foot	Auto: 16mm	
Alternating vertical movement	1~6.5mm (1710-7, 1760-7, 1760L) 2.5~6.5mm (1710, 1760)	
Needle	134x35 (Nm140) Nm110~Nm160	134x35 (Nm200) Nm140~Nm200
Thread	#30~#5, B46~B138, Nm=60/3~20/3	#8~#0, B92~B207, Nm=30/3~15/3



PLC-1760-7

High-post-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook

PLC-1690 (1.6 fold-capacity hook) 
PLC-1691 (standard hook) 

The high post-bed machine is best-suited to the 3-dimensional sewing of bags, etc. The newly developed high post-bed machine has a post with a compact-finished top to support difficult sewing processes that conventional machine can't handle such as bottom sewing or gore sewing.

Model name	PLC-1690	PLC-1691
Max. sewing speed	1,600sti/min	
Max. stitch length	6mm	
Presser foot	By knee: 15mm	By knee: 10.5mm
Post height	420mm	425mm
Alternating vertical movement	2~7mm	
Needle	134x35R (Nm120) Nm100~Nm140	
Thread	#30~#8, B46~B92, Nm=60/3~30/3	



PLC-1690

Post-bed, Bottom-feed, Lockstitch Machine

PLH-981U (1-needle) 
PLH-982U (2-needle) 

Post-bed, Needle-feed, Lockstitch Machine

PLN-985U (1-needle) 

With a needle feed mechanism that operates in synchronization with the bottom feed, the machine produces beautiful seams free from slippage even when sewing slippery or hard-to-feed materials.

Model name	PLH-981U, 982U	PLN-985U
Max. sewing speed	2,500sti/min	
Max. stitch length	4mm	
Presser foot	By knee: 10mm	By knee: 9mm
Needle	DPx5 (#18) #16~#21	DPx5 (#16) #16~#21
Thread	#40~#8, B33~B92, Nm=90/3~30/3	



PLN-985U

Long Arm Sewing Machine

Long-arm, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LU-2216N-7 (1-needle) 
LU-2266N-7 (2-needle) 

Based on the market-proven design of the LU-2210N-7 and -2260N-7 Series, the LU-2216N-7 / -2266N-7 are developed with a longer distance from the machine arm to needle ... a full 650mm. The long arm unison-feed lockstitch machine with vertical-axis large hook with automatic thread trimmer is best-suited to processes that require a longer distance from the machine arm to needle, such as reinforcement stitching and topstitching in tape attachment processes for sewing furniture or car seats.

Model name	LU-2216N-7	LU-2266N-7
Max. sewing speed	3,000sti/min	
Max. stitch length	9mm	6mm
Presser foot	Auto: 16mm	
Alternating vertical movement	1~6.5mm	
Distance from needle to machine arm	650mm	
Needle	134x35R (Nm140) Nm110~Nm160	
Thread	#30~#4, B46~B138, Nm=40/3~20/3	#20~#5, B69~B138, Nm=40/3~20/3



LU-2266-7

Long-arm, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

LG-158-1U (1-needle) 
LG-158U (2-needle) 

With a generous 750mm of free space under the arm and powerful unison-feed that provides a maximum stitch length of 10mm, the machine delivers outstanding productivity when sewing heavy materials such as tents and sheets.

Model name	LG-158-1U, 158U
Max. sewing speed	1,500sti/min
Max. stitch length	10mm
Presser foot	By pedal: 21.5mm
Alternating vertical movement	6~19mm
Distance from needle to machine arm	750mm
Needle	DDx1 (#25)
Thread	#20~#5, B69~B138, Nm=40/3~20/3



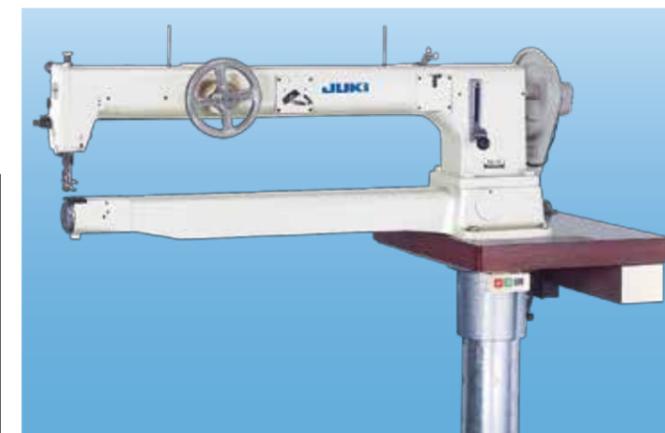
LG-158U

Super-long Cylinder-bed, 1-needle, Lockstitch Machine with Large Shuttle-hook for Extra Heavy-weight Materials

TSC-461U 

It is equipped with a free space under the arm as wide as 950mm, which means that the machine is capable of sewing large materials, long-sized materials and tubular sewn products with ease.

Model name	TSC-461U
Max. sewing speed	650sti/min
Max. stitch length	11mm
Presser foot	By pedal: 20mm
Alternating vertical movement	4~8mm
Distance from needle to machine arm	950mm
Needle	794 (Nm230) Nm130~Nm280
Thread	#8~#0, B92~B207, Nm=30/3~15/3



TSC-461U

Flat-bed Sewing Machine for Extra Heavy-weight Materials

Semi-long Flat-bed, 1-needle, Lockstitch Machine with Large Shuttle-hook for Extra Heavy-weight Materials



TNU-243U (unison-feed)

TU-273U (top and bottom-feed)

The machine is optimally suited for the sewing of extra heavy-weight materials such as tents, seat belts, and bag handles.

Model name	TNU-243U, TU-273U
Max. sewing speed	800sti/min
Max. stitch length	15mm
Presser foot	By knee: 20mm
Alternating vertical movement	4~8mm
Distance from needle to machine arm	420mm
Needle	794 (Nm230) Nm130~Nm280 DYx3 #21~#28
Thread	#8~#0, B92~B207, Nm=30/3~15/3



TNU-243U

Cylinder-bed Sewing Machine for Extra Heavy-weight Materials

Semi-long Cylinder-bed, 1-needle, Lockstitch Machine with Large Shuttle-hook for Extra Heavy-weight Materials



TSH-411U (bottom-feed)

TSN-421U (needle-feed)

TSC-441U (unison-feed)

TSU-471U (top and bottom-feed)

The lifting range of the presser foot is as high as 20mm for smooth placement / removal of extra heavy-weight materials. The machine has a wider free space under the machine arm to allow the operator to easily place and remove a large sewing products.

Model name	TSH-411U, TSN-421U TSC-441U, TSU-471U
Max. sewing speed	800sti/min
Max. stitch length	11mm
Presser foot	By pedal: 20mm
Alternating vertical movement	4~8mm (TSC-441, TSU-471)
Distance from needle to machine arm	420mm
Needle	794 (Nm230) Nm130~Nm280
Thread	#8~#0, B92~B207, Nm=30/3~15/3



TSC-441U

Shape-tacking Machine

Computer-controlled, High-speed Bartacking Sewing System



LK-1900BN-HS (for heavy-weight)

LK-1900BN-WS (for extra heavy-weight)

The machine achieves a maximum sewing speed of 3,200sti/min (Normal hook type), enhancing the startup speed at the beginning and ending of sewing, as well as the speed of thread trimming, thus reducing the total cycle time. It therefore achieves upgraded productivity.

Model name	LK-1900BN-HS	LK-1900BN-WS
Sewing area	30mm (L)×40mm (W)	
Max. sewing speed	3,200sti/min	2,700sti/min
Stitch length	0.1mm~10mm (0.1mm step)	
Work clamp foot	14mm (17mm when the reverse-rotation needle-up function)	
Needle	DPx17 (#21)	
Number of standard patterns	51 patterns	
Number of data that can be input	200 patterns	



LK-1900BN-HS

Management, browsing and editing of data can be carried out on the application software

Data on sewing machine adjustments made according to the product to be sewn can be transferred to a commercially-available Android tablet in contactless mode. This enables quick check for uniform settings as well as confirmation of conditions of sewing machines in a sewing line, thereby facilitating setup changes. The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.



The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

Computer-controlled, High-speed Shape-tacking Machine



LK-1942HA (for heavy-weight with intermediate presser)

LK-1942GA (for extra heavy-weight with intermediate presser)

LK-1941ZA (for seat belts with heat cutter)

LK-1942ZA/5050 (for seat belts with heat cutter (needle/bobbin thread separate cutting method))

The following features promise improved sewing capabilities for extra heavy-weight materials: A high-power, direct-drive motor that drives the needle with increased material-penetrating force; a higher-torque stepping motor that increases the feed efficiency, and a pneumatic work clamp that increases the material clamping force.

Handy Programming Device

PGM-7

Sewing patterns can be entered or modified through the handy programming device while holding it. Dedicated keys for frequently-used functions are provided on the handy programming device to cut down the operation time.



PGM-7



LK-1942HA

Model name	LK-1942HA	LK-1942GA	LK-1941ZA	LK-1942ZA/5050
Sewing area	60mm (L)×100mm (W)			
Max. sewing speed	2,200sti/min			
Stitch length	0.1~10.0mm			
Number of data that can be input	Max. 64 patterns			
Needle	DPx17 (#18) #18~#20	DPx17 (#23) #21~#23	DPx17 (#25) #24~#26	

Shape-tacking Machine

Computer-controlled, High-speed Shape-tacking Machine

LK-1910

LK-1920 (with intermediate presser)

LK-1930 (with intermediate presser and input function)

The machine is fully equipped with state-of-the-art features such as a higher presser foot lift, a double-capacity shuttle hook, and a direct-control machine head that ensures quick response and an accurate stop position.

Model name	LK-1910S, 20S, 30S	LK-1910H, 20H, 30H
Application	Standard	Heavy-weight
Sewing area	60mm (L)×100mm (W)	
Max. sewing speed	2,500sti/min	
Stitch length	LK-1910,20 : 0.1~10mm LK-1930 : 0.1~12.7mm	
Number of data that can be input	LK-1910,20 : 64 patterns LK-1930 : 691 patterns	
Needle	DP×5 (#14), DP×17 (#18)	



LK-1930



Computer-controlled Cycle Machine

1-needle CNC sewing machine (head turning type)

AMS-251 (X: 1000mm × Y: 600mm)

JUKI's unique synchronization technology guarantees stable control of the machine head, hook and feed mechanism, thereby creating the most favorable seams.

The AMS-251 is ideally suited to the sewing of decorative stitches on car seats and luxury bags as well as air bags and other large-size products with zero design tolerance for irregular stitching.

Model name	AMS-251
Application	Medium - Heavy
Max. sewing speed	2,500sti/min
Needle thread tension	Active tension
Needle (at the time of delivery)	DP × 17, #18 - 25 (#23)
Thread	Nm 60/3 - 20/3



AMS-251



Computer-controlled Cycle Machine with Input Function (Full-rotary hook type)

(Automatic bobbin-thread winding and feeding device)

AMS-224EN-4530R/AW-3 (X: 450mm × Y: 300mm)

AMS-224EN-6030R/AW-3 (X: 600mm × Y: 300mm)

The AMS-224EN4530RS has adopted the full-rotary type hook. The automatic bobbin-thread winding and feeding device (AW-3) which is suited to the sewing of large articles such as car seats is optionally available. In the case of sewing large articles, etc, a large quantity of bobbin thread is consumed during sewing of one article. This means that replacement of bobbin frequently occurs. Since the AW-3 changes the bobbin automatically after sewing, the operator is able to concentrate on sewing without worrying about shortage of bobbin thread. In addition, only two bobbin cases are required for sewing. As a result, burdensome control of bobbin thread tension and bobbin-changing work are no longer required, thereby contributing to increased productivity.

Model name	AMS-224EN-4530R/AW-3	AMS-224EN-6030R/AW-3
Application	Medium-to heavy-weight	Extra heavy-weight
Max. sewing speed	2,500sti/min* (stitch length 3mm or less)	
Needle thread tension	Active tension (electronic thread tension control mechanism)	
Needle (at the time of delivery)	DP×17 (#18) (135×17 Nm110)	DP×17 (#23) (135×17 Nm260)
Thread	#30~#5	



AMS-224EN-4530R/AW-3



Computer-controlled Cycle Machine with Input Function (Full-rotary hook type)

AMS-224EN-4530R (X: 450mm × Y: 300mm)

The machine not only achieves higher productivity due to instantaneous increases/decreases in sewing speed at the beginning /end of sewing and increased speed of thread trimming, but also achieves a flexible responsiveness to materials to promise enhanced seam quality due to JUKI's unique active tension and programmable intermediate presser.

Model name	AMS-224EN-4530R
Application	Medium-to heavy-weight
Max. sewing speed	2,500sti/min* (stitch length 3mm or less)
Needle thread tension	Active tension (electronic thread tension control mechanism)
Needle (at the time of delivery)	DP×17 (#18) (135×17 Nm110)
Thread	#50~#2



AMS-224EN-4530R



Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function

- AMS-210EN-1306** (X: 130mm x Y: 60mm)
- AMS-210EN-1510** (X: 150mm x Y: 100mm)
- AMS-210EN-2210** (X: 220mm x Y: 100mm)
- AMS-221EN-2516** (X: 250mm x Y: 160mm)
- AMS-221EN-3020** (X: 300mm x Y: 200mm)



The sewing machine achieves the highest sewing speed, 2,800sti/min, in the industrial sewing machine industry. As a result, cycle time is dramatically reduced. The feed accuracy is substantially improved due to the adoption of the encoder control system. The new AMS Series models substantially decrease power consumption when compared with the conventional ones. They have been designed to achieve eco-friendliness.

AMS-210EN-1306 (X: 130mm x Y: 60mm)

The sewing machine flexibly supports the sewing of small articles such as labels and emblems. The sewing machine's small sewing area promises ease of use when handling small articles, thereby enabling smooth sewing operation.

AMS-210EN-1510 (X: 150mm x Y: 100mm)

The 1510 model is well received in the market due to its moderate-sized sewing area. Responding to market demand, the 1510 area model with a motor-driven feeding frame has been newly developed. This model can be used in a plant which is not provided with pneumatic equipment.

AMS-210EN-2210 (X: 220mm x Y: 100mm)

This model has a sewing area that is best-suited to the sewing of large parts, including the shape-tacking of jean pockets. With this model, you may recognize the higher productivity of the cycle machine.

AMS-221EN-2516 (X: 250mm x Y: 160mm)

The sewing machine is best-suited to the sewing of large labels and emblems, the sewing of two or more pieces of small labels and emblems at one time, and the shape-tacking of bags and shoes. The sewing machine is applicable to a broad range of materials and processes, while leading the industrial sewing machine industry in terms of improvement in quality and the promotion of production that does not require sewing-machine operators to have special skills.

AMS-221EN-3020 (X: 300mm x Y: 200mm)

The sewing machine is applicable to sewing products which require a wider sewing area than that of the "AMS-221EN-2516."

It is best-suited to the attaching of handles to bags and the shape-tacking of boots and shoes. The sewing machine is flexibly applicable to sewing requiring a medium sewing area.



AMS-210EN-1510



AMS-221EN-2516

Model name	AMS-210EN-SS	AMS-210EN-HS	AMS-221EN-SL	AMS-221EN-HL
Application	Light- to medium-weight	Medium- to heavy-weight	Light- to medium-weight	Medium- to heavy-weight
Max. sewing speed	2,800sti/min*			
Stitch length	0.1~12.7mm (0.05mm step)			
Storage of pattern data in the memory	Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)			
	External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern)			
Needle	DPx5 (#14)	DPx17 (#18)	DPx5 (#14)	DPx17 (#18)

*Stitch length is 4mm or less for the AMS-210EN and 3.5mm or less for the AMS-221EN.

Computer-controlled Cycle Machine with Input Function

- AMS-224EN-4530** (X: 450mm x Y: 300mm)
- AMS-224EN-6030** (X: 600mm x Y: 300mm)
- AMS-224ENHC10050** (X: 1,000mm x Y: 500mm) Production by order



The machine achieves the highest sewing speed of 2,500sti/min among those with a similar sewing area. With its higher productivity, the machine performs various kinds of stitching, making the most out of its wider sewing area in various sewing applications such as attaching handles to bags and pouches, attaching belts, sewing many small parts at a time, attaching parts to shoes and sports shoes (one pair of shoes) and sewing air bags. A newly developed encoder-controlled stepping motor system has been adopted for the X-Y feed mechanism. This contributes to more accurate sewing performance and increased productivity.

Model name	AMS-224EN-HS	AMS-224EN-GB
Application	Medium- to heavy-weight	Extra heavy-weight
Max. sewing speed	2,500sti/min (stitch length 3mm or less)	
Settable stitch length	0.1~12.7mm (0.05mm step)	
Storage of pattern data in the memory	Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)	
	External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern)	
Needle	DPx17 (#18)	DPx17 (#23)



AMS-224EN-6030

Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function (for total-area perfect stitching)

- AMS-221EN-3020/X7910** (X: 300mm x Y: 200mm)
- AMS-224EN-4530/X7910** (X: 450mm x Y: 300mm)
- AMS-224EN-6030/X7910** (X: 600mm x Y: 300mm)
- AMS-224ENHC10050/X7970** (X: 1,000mm x Y: 500mm) Production by order



AMS-224EN/X7910 has removed the area where hitch stitches are produced to make the total area capable of sewing with perfect stitches, thereby improving the seam quality.

Model name	AMS-224EN-4530/X7910	AMS-224EN-6030/X7910
Max. sewing speed	1,500sti/min (stitch length 6mm or less)	
Stitch length	0.1~12.7mm (0.05mm step)	
Storage of pattern data in the memory	Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)	
	External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern)	
Needle	DPx17 (#18)	



AMS-224EN-6030/X7910

Computer-controlled Cycle Machine with Input Function (for large products such as air bags)

AMS-224EN-6060 (X: 600mm x Y: 600mm)

The sewing area is broadened to "600 mm (width) x 600 mm (length)".

This sewing machine is best-suited to the sewing of large products such as air bags.

Model name	AMS-224EN-6060
Max. sewing speed	2,000sti/min (stitch length 3mm or less)
Settable stitch length	0.1~12.7mm (0.05mm step)
Storage of pattern data in the memory	Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)
	External media: Max. 49,950,000 stitches, 999 patterns (max. 50,000 stitches / pattern)
Needle	DPx17 (#24) Bpoint (135x17 FG Nm180)



AMS-224EN-6060

Computer-controlled Cycle Machine (for slide-type thread take-up lever)

AMS-210EN-HL1306/7300 (X: 130mm x Y: 60mm)

The machine with a slide-type thread take-up lever is designed for improved stitching with heavy threads tension. JUKI's unique active tension mechanism which has been re-designed specifically for heavy-weight materials, as well as the slide-type thread take-up lever which is suited for sewing heavy-weight materials, increase the maximum tension by 50% more compared to that of the standard models of the JUKI AMS Series machines. The new model improves seam quality (thread tension) for sewing seat belts and general heavy-weight materials such as container belts and bags.

Model name	AMS-210EN-HL1306/7300
Application	Medium-to heavy-weight
Max. sewing speed	2,000sti/min (when stitch length is 4.5mm or less)
Thread take-up	Slide-type thread take-up lever (dry frame)
Needle	DPx17 #25 (max. #26)



AMS-210EN-HL1306/7300

Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Tape Feeding Device

AMS-210EN-HL2210/TF10S (for attaching decorative tapes)

The machine is ideal for attaching decorative tapes and reinforcing tapes required on sewing such as shoes and bags. Measure & cut each stripes specified length for quarter automatically. Stripe are feeded accurately for sewing position of a quarter. Operators don't need to cut stripe tape.

Model name	AMS-210EN-HL2210/TF10S
Normal sewing speed	2,000sti/min
Stitch length	0.1~12.7mm (0.05mm step)
Material of tape	Synthetic leather, coating & enamel etc..
Width of tape	10.0~16.7mm (0.1mm step)
Length of tape	55~130mm (1.0mm step)
Thickness of tape	~1.5mm
Needle	DPx17 (#16)



AMS-210EN-HL2210/TF10S

Computer-controlled Cycle Machine with Input Function
(for 2-color-thread sewing)

AMS-221EN-TS3020 (X: 300mm x Y: 200mm)

This machine (AMS221EN-TS) for two-color stitching has been developed to enable two-color stitching (with two kinds of thread which are different in color).

Possible difference in position of the sewing product which can be caused by re-placing it on the sewing machine in a different process is eliminated, thereby increasing the productivity. It is suitable for sports shoes, bags and car seats such as the topstitch and parts sewing, etc.

Model name	AMS-221EN-TS3020
Max. sewing speed	2,500sti/min
Stitch length	0.1~12.7mm (0.05mm step)
Storage of pattern data in the memory	Main-body memory : Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)
	External media : Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern)
Needle	DPx17 (#18)



AMS-221EN-TS3020

Automatic Machine

Automatic 1-needle shoelace loop attaching machine (Provided with a preset loader)

AB-1360/CR-10A

The AB-1360 / CR-10A sewing machine with a preset loader automatically feeds shoelace loops and shoe tongues to the correct shoelace loop attaching position, thereby no longer requiring manual positioning of those parts. The sewing machine is an automatic machine which realizes full-automatic sewing while eliminating inconsistency in quality and sewing position faults caused by the operator.



Model name	AB-1360/CR-10A
Machine head	LK-1962/ABH (Specifically-designed semi-dry machine head)
Max. sewing speed	2,500sti/min
Lift of work clamp foot	20mm
Hook	Horizontal-axis rotary hook
Needle bar stroke	45.7mm
Needle	DPx17 (#18)
Shoelace loop width	6~12mm
Finished length of shoelace loop	15~20mm



AB-1360/CR-10A

Automatic 1-needle shoelace loop attaching machine

AB-1360

This model of sewing machine achieves increased productivity by automatizing shoelace loop sewing process for sports shoes. The machine carries out cutting, folding and sewing of shoelace loops in one process, thereby contributing to labor-saving and deskilling. The machine is provided as standard with an LED marking light (crisscross light), thereby facilitating positioning of shoelace loops at the correct sewing position. In addition, the machine comes with a heat-cutting mechanism to cut shoelace loops to constant dimensions with consistency without fail.



Model name	AB-1360
Machine head	LK-1962/ABH (Specifically-designed semi-dry machine head)
Max. sewing speed	2,500sti/min
Lift of work clamp foot	20mm
Hook	Horizontal-axis rotary hook
Needle bar stroke	45.7mm
Needle	DPx17 (#18)
Shoelace loop width	6~12mm
Finished length of shoelace loop	15~20mm



AB-1360

Overlock / Safety Stitch Machine for Extra Heavy-weight Materials

MO-6900G Series

The machine incorporates a mechanism and parts that are optimum for the sewing of extra heavy-weight materials, such as an extra high-lift type upper looper, tractor foot and coarse type feed dog. It demonstrates an excellent performance ability in the sewing of various kinds of heavy-weight materials such as jeans, raised fabric materials, mats and carpets.

Model name	MO-6905G-OM6-7E0
Application	For car mats
Stitch type	1-needle overlock
Max. sewing speed	6,000sti/min
Overedging width	10mm
Max. stitch length	7mm
Needle	DC×1 (#24)



MO-6905G

Computer-controlled, High-speed, Lockstitch Buttonholing Sewing System

LBH-1790AN Series

The knife supports sewing lengths of 41mm at the maximum. Since the LBH-1795ANS is provided as standard with the 120 mm presser, it is capable of sewing 12-mm long buttonholes. The LBH-1795ANS is capable of sewing long buttonholes such as belt holes in car seats. In addition, it is applicable to the sewing of buttonholes in men's shirts (continuous sewing of two buttonholes and the use of two units of sewing machines), etc.

The upper limit of the adjustment of the presser foot pressure has been expanded. The presser foot pressure is now digitally controlled. As a result, the machine acquires improved responsiveness to knit materials and car seats.

LBH-1795AN (120mm buttonhole)



LBH-1790AN

Management, browsing and editing of data can be carried out on the application software

Data on sewing machine adjustments made according to the product to be sewn can be transferred to a commercially-available Android tablet in contactless mode. This enables quick check for uniform settings as well as confirmation of conditions of sewing machines in a sewing line, thereby facilitating setup changes. The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.

The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.



Optional part for 120mm buttonhole (From LBH-1790AN)

Model name	LBH-1790AN	LBH-1795AN
Max. sewing speed	4,200sti/min	
Bartacking width	Max. 10mm	
Buttonhole length	Max. 41mm	Max. 120mm
Number of standard patterns	31 patterns	
Needle	DP×5 (#11J) #11J~#14J	

Optional part No.	Qty	Name of part
40006335	1	Presser arm 120
40008646	1	Presser foot 120 asm.
40008658	1	Presser foot 120
SS6060210SP	2	Screw
40028682	1	Close cam 120
40112711	1	Lifting plate 120
SM6050800SP	2	Screw
40006339	1	Cloth feed plate 120

Control Box / Servomotor

SC-920/M51N Series

The new model control box SC-921 has been newly developed. The control box is resistant to voltage fluctuations, noise and vibration. The new model control box is provided with an energy-saving mode for the first time in a control box for sewing machines. Power consumption during standby period is further reduced. Considering convenience in setup and resource saving, both the volume and the weight of the control box has been reduced by 30% or more (as compared with the conventional control box SC-510).

High-torque AC servomotor M51N with an output of 750W has been adopted. The machine has excellent high-speed sewing performance and a strong cloth-penetrating force. The machine therefore demonstrates a broader range of applicability, from general fabric to extra heavy-weight materials.



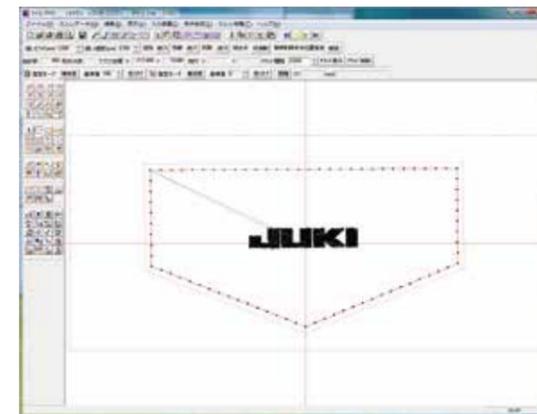
SC-922/M51N

Model name	SC-921 / M51N	SC-922 / M51N
Motor type	AC servomotor	
Motor output	750W	
Power requirement	Single-phase 100~120V, 200~240V3-phase 200~240V	
Power consumption	It demands on the operating conditions and installed machine head	
Number of input ports	10 (for optional inputs)	Max.24**1 (for optional inputs)
Number of output ports	8(for optional outputs)	Max.32**1 (for optional outputs)
Number of basic programs ²	—	4
Number of basic programs steps	—	25 sewing steps (per 1 program)

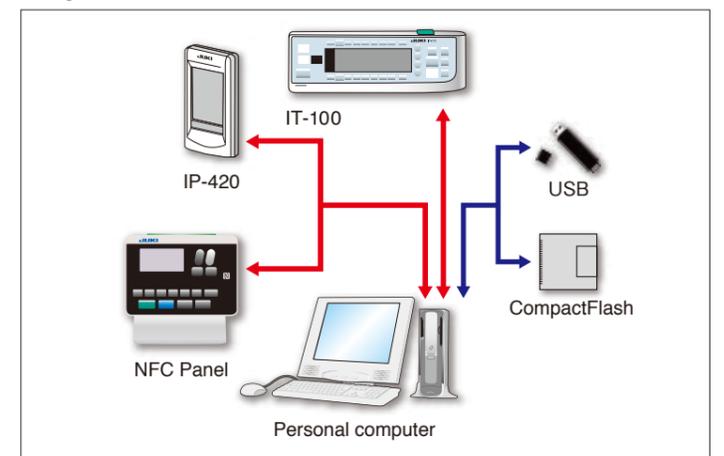
Programming Software for Computer-controlled Sewing Machines

PM-1

This software is to input and edit sewing data of JUKI's latest sewing machines. Its versatile input functions allow to input sewing data of each electronic sewing machine model easily, accurately, and quickly. It supports high quality production with high added value by utilizing and creating original data for specific designs and applications.



System Formation



The sewing machine can be paired with equipment which supports NFC (Near Field Communication)