

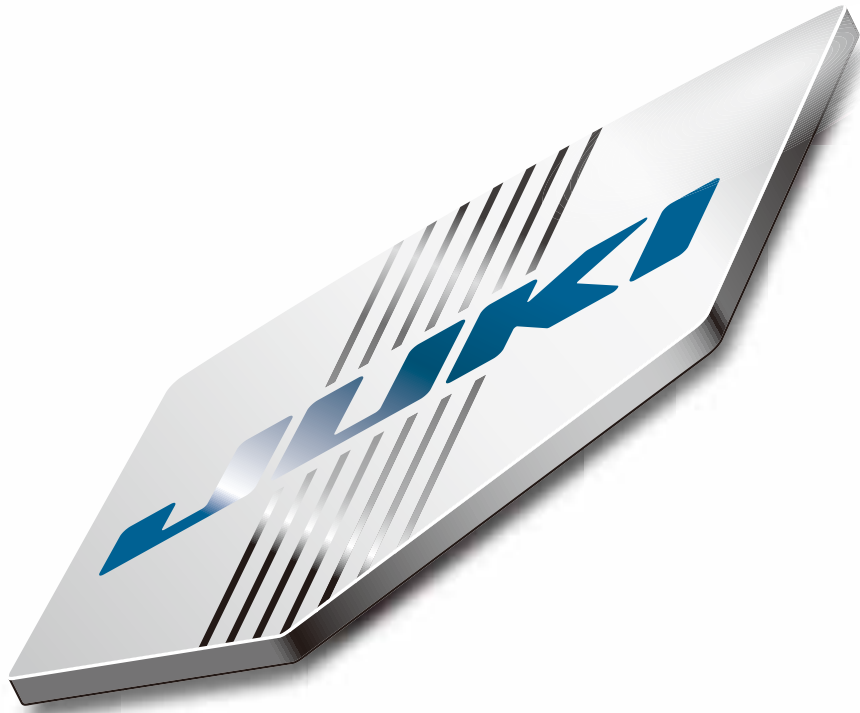
General Catalog

Non-apparel Sewing Machines

Be the Best in



New Edge Solution for Your Success



Be the Best in CS

~New Edge Solution for Your Success~

Trends and demands are changing every second. Production sites must respond to customer needs instantly, without fail. Fresh voices from those production sites, voices responsive to the needs of the market, will continue to be the key to JUKI's technical innovation and service improvements.

To respond to the opinions from the production sites, JUKI has been making its best efforts to "produce products with genuine value" and "provide customer-first services" for many years.

For JUKI, the best CS is achieved by listening to customers and developing proposals from new points of view with a commitment to "finding responses one-step ahead of customer needs."

JUKI believes that CS, "genuine customer satisfaction", is developed by listening to customer opinions.

"Developing CS by listening to customer opinions and finding ways to bring smiles to customer faces"

JUKI will continue to develop services and proposals for customers with fresh outlooks and points of view.

CONTENTS

Catalog of each model is also available.
For further details, please refer to each catalog.

Flat-bed Sewing Machine

DDL-8700L	01
DDL-5600N-7, 5600N	
DU-1281-7	
DU-1181N-7/X73096, 1181N	02
DU-141H-7, 140U	
DNU-1541-7, 1541S, 1541	
DNU-1541/X552457, 1541-7-0BB/X55270	03
DNU-1541/X55247	
LU-1508N, 1509N	
LU-1510N-7, 1510N, 1511N-7	04
LU-1510NA-7	
LU-1560N-7, 1560N	
LU-1561N-7, 1561N, 1565N	
LU-2810S-7, 2810S, 2810A-7; 2810A	05
LU-2860S-7, 2860S, 2860A-7, 2860A	
LU-2810S-6, 2810A-6, 2860S-6, 2860A-6	
LU-2210N-7, 2210W-7	
LU-2212N-7, 2220N-7	06
LU-2260N-7, 2260W-7	
LZH-1290-7, 1290	

Cylinder-bed Sewing Machine

DSU-145-7, 145U	07
DSC-244U, 245U, 246U, 245-7, 246-7	
DSC-245U/X55200, 245U/X55278, 245-7-0B/X55167	
LS-1340, 1341, 1342-7, 1342	08
LS-1341/X55287	
LS-1342/X55280, 1342/X55274, 1342-7-0BB/X55275	

Post-bed Sewing Machine

PLC-2710-7, 2710	09
PLC-2760-7, 2760, 2760L, 2765	
PLC-1710-7, 1710	
PLC-1760-7, 1760, 1760L	
PLC-1690, 1691	10
PLH-981U, 982U	
PLN-985U	

Long Arm Sewing Machine

LU-2216N-7, 2266N-7	11
LG-158-1U, 158U	
TSC-461U	

Machine for Extra Heavy-weight Materials

TNU-243U	12
TU-273U	
TSH-411U	
TSN-421U	
TSC-441U	
TSU-471U	

Shape-tacking Machine

LK-1900B-HS, 1900B-WS	13
LK-1942HA, 1942GA, 1941ZA, 1942ZA/5050	
PGM-7	
LK-1942GA/X5100	14
LK-1910, 1920, 1930	

Computer-controlled Cycle Machine

AMS-210EN-1306, 1510, 2210	15
AMS-221EN-2516, 3020	
AMS-224EN-4530, 6030	
AMS-224EN-6060	16
AMS-210EN-HL1306/7300	
AMS-210EN-HL2210/TF10S	
AMS-221EN-TS3020	17



Others

MO-6900G Series	18
LBH-1790A Series	


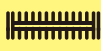
Motor and Device




SC-922/M51N	19
PM-1	




Pictographs for Function

Needle	
	2-needle
	Organized split needle bar

Feed	
	Bottom-feed
	Needle-feed
	Differential-feed
	Top and bottom-feed
	Unison-feed
	X-Y drive
	R-θ drive

Stitch shape	
	Zigzag stitching
	Lockstitch buttonholing

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

Function	
	Active tension
	Automatic thread trimmer
	Cloth cutting knife



Dry-head,
Intelligent Direct-drive
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-5600NL-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 and Automatic Thread Trimmer

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



DU-1281-7



Flat-bed Sewing Machine

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 the machine.

Model name	DU-1181N	1181N-7/X73096
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Presser foot	By knee: 15mm	
Alternating vertical movement	2~5mm	
Needle	DP×17 (#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	DB×1 (#21) #20~#23	DB×1 (#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	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~15/3	



DNU-1541-7

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



DNU-1541/X55245 (for thick thread)

DNU-1541-7-0BB/X55270 (for container bag) ✂

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/X55245	DNU-1541-7-0BB/X55270
Application	for thick thread	for container bag
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Needle bar stroke	38mm	36mm
Needle	135×17(Nm160) Nm125~Nm180	135×17(Nm200) Nm125~Nm200
Thread	#30~#0	#30~#5

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 #0/Bobbin thread #0). The machine is best-suited for sewing such as thick thread decorative stitches on jeans.



DNU-1541/X55247

Model name	DNU-1541/X55247
Application	for thick thread
Type of feed	Needle feed
Max. sewing speed	2,500sti/min
Max. stitch length	7mm
Needle bar stroke	36mm
Needle	135×17 (Nm160) Nm125~Nm180
Thread	#30~#1

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook for Extra Heavy-weight Materials



LU-1508N Standard gauge

LU-1509N Europe gauge

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 Europe gauge 

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 without stitch gathering.

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	



LU-1510N-7

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 lesson a load is applied to the material.

Model name	LU-1510NA-7
Max. sewing speed	2,000sti/min
Max. stitch length	7mm
Presser foot	Auto: 16mm
Alternating vertical movement	1.0~6.5mm
Needle	135×17, SY3355 (Nm120) Nm100~Nm160
Thread	TEX 50~135



LU-1510NA-7

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



LU-1560N-7 Standard gauge 

LU-1560N Standard gauge

LU-1561N-7 Europe gauge 

LU-1561N Europe gauge

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	135×17 (Nm160) Nm125~Nm180		
Thread	#30~#5, B46~B138, Nm=60/3~20/3		



LU-1560N-7



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

LU-2810S-7 Direct-drive / Standard gauge

LU-2810S Standard gauge

LU-2810A-7 Direct-drive / Europe gauge

LU-2810A Europe gauge

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

LU-2860S-7 Direct-drive / Standard gauge

LU-2860S Standard gauge

LU-2860A-7 Direct-drive / Europe gauge

LU-2860A Europe gauge

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	LU-2860-7, LU-2860
Max. sewing speed	3,000sti/min	2,700sti/min
Max. stitch length	9mm	
Presser foot	Auto: 20mm, By hand:10mm	
Alternating vertical movement	1~9mm	
Needle	135x17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Mn=60/3~20/3	



LU-2810S-7-0B

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook (with automatic thread trimmer of V-Belt type)



LU-2810S-6 Direct-drive / Standard gauge

LU-2810A-6 Direct-drive / Europe gauge

2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook (with automatic thread trimmer of V-Belt type)

LU-2860S-6 Direct-drive / Standard gauge

LU-2860A-6 Direct-drive / Europe gauge

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.

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



LU-2810-6

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



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

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

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.

Model name	LU-2210N-7, 2210W-7
Max. sewing speed	3,500sti/min
Max. stitch length	9mm
Presser foot	Auto: 16mm
Alternating vertical movement	1~6.5mm
Needle	134x35R (Nm140), Nm110~Nm160
Thread	#30~#4, B46~B138, Nm=60/3~20/3



LU-2210N-7

Flat-bed Sewing Machine

High-speed, 1-needle, Unison-feed, Lockstitch, Machine with Vertical-axis Large Hook (2-pitch dial type)



LU-2212N-7 LU-2220N-7 (shorter thread remaining type)

Two different stitch lengths can be set according to the application. The machine is widely applicable to the sewing of leather and heavy materials such as car seats and sofas.

(LU-2220N-7)

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.

Model name	LU-2212N-7, LU-2220N-7
Max. sewing speed	3,500sti/min
Max. stitch length	9mm
Presser foot	Auto: 16mm
Alternating vertical movement	1~6.5mm
Needle	134×35R (Nm140), Nm110~Nm160
Thread	#30~#4, B46~B138, Nm=60/3~20/3



LU-2220N-7

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)

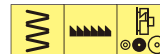
The vertical strokes of the presser foot and walking foot (their alternating vertical movement) can be easily changed using a large dial mounted on the top surface of the machine head. In addition, the sewing speed is automatically adjusted with the set value. With this feature, ideal sewing conditions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

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	134×35R (Nm140), Nm110~Nm160
Thread	#20~#5, B69~B138, Nm=40/3~20/3



LU-2260N-7

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.

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	



LZH-1290-7

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

DSU-145-7 (with automatically lubricated for hook) 

DSU-145U (with 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	DP×17 (#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 (with automatically lubricated for hook)

DSC-246U (with double-capacity hook) 

DSC-245-7 (with automatically lubricated for hook) 

DSC-246-7 (with 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 $\phi 46$ mm for a standard hook or $\phi 50$ 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	DP×17(#18) #14~#21	DP×17(#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 with automatically lubricated for hook

DSC-245U/X55200 (with standard hook)

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

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





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/X55200	DSC-245/X55278	DSC-245-7-0B/X55167
Application	with standard hook	with standard hook and binder	with standard hook and automatic thread trimmer
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	135×17 Nm100~180 (Standard Nm130)		
Thread	#50~#8		



Cylinder-bed Sewing Machine

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

LS-1340  **LS-1342-7** (gauge for small articles) 
LS-1341  **LS-1342** (gauge for small articles) 



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.



LS-1342-7

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	135×17 (Nm160) Nm100~Nm180: (1342-7, 1342, 1341) 135×17 (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)	

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.



LS-1341/X55287

Model name	LS-1341/X55287
Application	for heavy-weight materials
Max. sewing speed	2,000sti/min
Max. stitch length	6mm
Needle bar stroke	36mm
Needle	135×17 (Nm160) Nm125~Nm180
Thread	#30~#5

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

LS-1342/X55280 (small-cylinder type) 
LS-1342/X55274 (thick-thread type)
LS-1342-7-0BB/X55275 (thick-thread 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 the alternate vertical movement amount (DL device) and auto-lifter (AK device).



LS-1342/X55280

Model name	LS-1342/X55280	LS-1342/X55274	LS-1342-7-0BB/X55275
Application	small-cylinder type	thick-thread type	thick-thread type (automatic thread trimming)
Max. sewing speed	2,000sti/min		
Max. stitch length	4mm (nomal/reverse feed)	6mm (nomal/reverse feed)	
Hook	Vertical-axis 1.6 fold-capacity hook		
Needle thread tension control	Double tention type		
Needle	135×17 Nm100~160 (Standard Nm110)	135×17 Nm100~180 (Standard Nm160)	
Thread	#40~#20	#20~#0	#30~#5









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

PLC-2710-7 
PLC-2710

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-2710-7, 2710 PLC-2760-7, 2760	PLC-2760L	PLC-2765
Max. sewing speed	2,500sti/min	2,000sti/min	2,500sti/min
Max. stitch length	12mm		
Presser foot	Hand: 10mm, Auto: 20mm		Hand: 10mm, Auto: 18mm
Alternating vertical movement	1~9mm		
Needle	135x17 (Nm140) Nm100~Nm180	135x17 (Nm200) Nm140~Nm200	135x17 (Nm140) Nm100~Nm180
Thread	#30~#5, B46~B138, Nm60/3~18/3	#8~#0	#30~#5, B46~B138, Nm60/3~18/3






PLC-2760-7

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

PLC-1710-7 
PLC-1710

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-1710-7, 1710 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

Post-bed Sewing Machine

High-post-bed, 1-needle, Unison-feed, Lockstitch Machine



PLC-1690 PLC-1691

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.



PLC-1690

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	134×35R (Nm120) Nm100~Nm140	
Thread	#30~#8, B46~B92, Nm=60/3~30/3	

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.



PLN-985U

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	DP×5 (#18) #16~#21	DP×5 (#16) #16~#21
Thread	#40~#8, B33~B92, Nm=90/3~30/3	

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

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 DY×3 #21~#28
Thread	#8~#0, B92~B207 Nm=30/3~15/3



TNU-243U

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

Computer-controlled, High-speed Bartacking Machine



LK-1900B-HS LK-1900B-WS (extra heavy-weight)



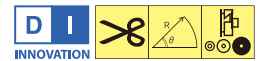
The machine achieves a maximum sewing speed of 3,200sti/min (Normal hook type), enhancing the startup speed at the beginning and ending of sewing, as well as the speed of thread trimming, thus reducing the total cycle time. It therefore achieves upgraded productivity.

Model name	LK-1900B-HS	LK-1900B-WS
Application	Heavy-weight	Extra heavy-weight
Sewing area	30mm (L)×40mm (W)	
Max. sewing speed	3,200sti/min	2,700sti/min
Stitch length	0.1mm~10mm (0.1step)	
Work clamp foot	13mm (17mm when the reverse-rotation needle-up function)	
Needle	DP×17 (#21)	
Number of standard patterns	50 patterns	
Number of data that can be input	200 patterns	



LK-1900B-HS

Computer-controlled, High-speed Shape-tacking Machine



LK-1942HA (heavy-weight with intermediate presser) LK-1942GA (extra heavy-weight with intermediate presser) LK-1941ZA (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
Application	For Heavy-weight	For Extra heavy-weight		For seatbelts
Heat cutter	Provided as standard	Option	Provided	Provided (needle/bobbin thread separate cutting method)
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	DP×17 (#18) #18~#20	DP×17 (#23) #21~#23	DP×17 (#25) #24~#26	

Shape-tacking Machine

Computer-controlled Shape-tacking Machine with Full-rotary 3-fold Capacity Hook (with intermediate presser)



LK-1942GA/X5100 (For seat belt specification)

The machine is an exclusive sewing machine which is best-suited for sewing seat belts. Sewing quality and sewing capabilities which are suited to sewing seat belts have been improved.



LK-1942GA

Model name	LK-1942GA/X5100
Application	For seat belt specification
Sewing area	60mm (L)×100mm (W)
Max. sewing speed	2,200sti/min (when stitch length is 3mm or less)
Stitch length	0.1~10mm
Number of patterns that can be input	64 patterns
Needle (at the time of delivery)	DP×17 (#25) #24~#26

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.



LK-1930

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)	

Computer-controlled Cycle Machine with Input Function



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



AMS-221EN-2516

AMS-221EN-3020 (X: 300mm × 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.

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	DP×5 (#14)	DP×17 (#18)	DP×5 (#14)	DP×17 (#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 × Y: 300mm)
- AMS-224EN-6030** (X: 600mm × Y: 300mm)

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	DP×17 (#18)	DP×17 (#23)



AMS-224EN-6030

Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function

AMS-224EN-6060 (X: 600 × Y: 600mm)

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

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



Model name	AMS-224EN-6060
Application	For large products such as air bags
Max. sewing speed	2,000 sti/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	DP × 17(#24) Bpoint (135 × 17 FG Nm180)



AMS-224EN-6060

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

AMS-210EN-HL1306/7300 (X: 130 × 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	DP×17 #25 (max. #26)



AMS-210EN-HL1306/7300

Computer-controlled cycle machine with tape feeding device

AMS-210EN-HL2210/TF10S

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
Application	For tape feeding
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	DP×17 (#16)



AMS-210EN-HL2210/TF10S

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



AMS-221EN-TS3020 (X: 300 × 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.



AMS-221EN-TS3020

Model name	AMS-221EN-TS3020
Application	2-color-thread sewing
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	DP×17 (#18)

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.



MO-6905G

Model name	MO-6905G-0M6-7E0
Application	For car mats
Stitch type	1-needle overlock
Max. sewing speed	4,000sti/min
Overedging width	10mm
Max. stitch length	7mm
Needle	DC×1 (#24)

Computer-controlled, High-speed, Lockstitch Buttonholing Machine

LBH-1790A Series



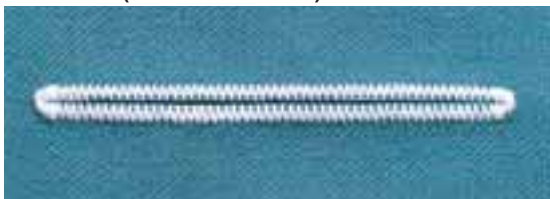
The knife supports sewing lengths of 41mm at the maximum. Since the LBH-1795AS is provided as standard with the 120 mm presser, it is capable of sewing 12-mm long buttonholes. The LBH-1795AS is capable of sewing long buttonholes such as belt holes in car seats. In addition, it is applicable to the sewing 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-1790A

LBH-1795A (120mm buttonhole)



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

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

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-922/M51N

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.

Model name	SC-922/M51N
Motor output	750W
Power requirement	Single-phase 100~120V, 200~240V 3-phase 200~240V
Number of input ports	Max.24*1 (for optional inputs)
Number of output ports	Max.32*1 (for optional outputs)
Number of basic programs*2	4
Number of basic programs steps	25 sewing steps (per 1 program)

*1 It depends on installed machine head.
*2 Basic programs are intended to operate external devices such as the stacker or to change the sewing machine operation during sewing.

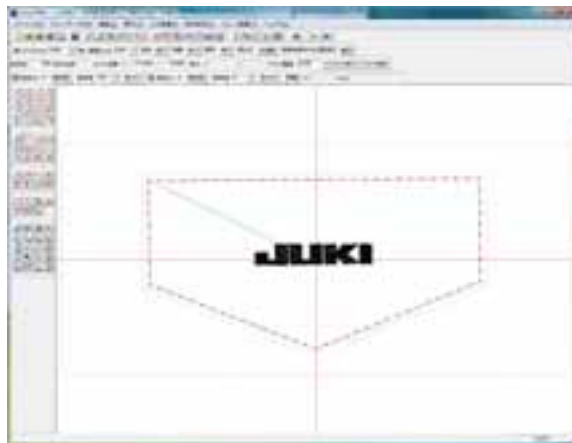


SC-922/M51N

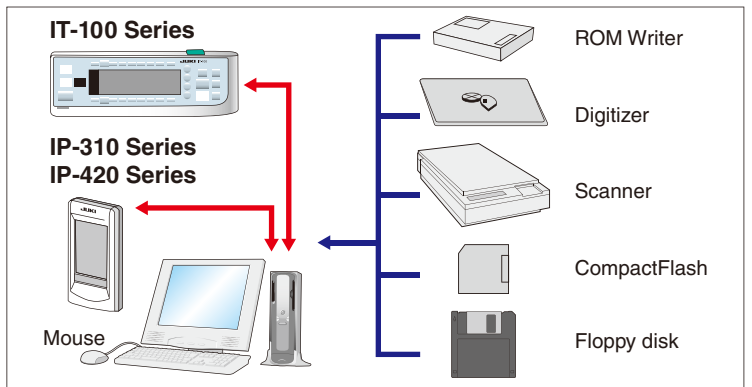
Programming Software for Computer-controlled Sewing Machines

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 IP-420 is configured with a USB connector, as standard.

Models suited for PM-1

- AMS series
- LK-1900 series, LK-1900A series, LK-1900AN series
- LK-1910, LK-1920, LK-1930 series
- LZ-2290A series, LBH-1790 series, MB-1800, AP-876, AVP-875



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JUKI CORPORATION HEAD OFFICE

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- (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.)

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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.