

Non-Apparel

General Catalog



https://www.juki.co.jp/en

JUKI CORPORATION SEWING BUSINESS UNIT

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JUKI TECHNOSOLUTIONS CORPORATION

- 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.

APRIL, 2025 Printed in Japan(TN)



JUKI contributes to Smart Factory of the customer by total solution for

Eco **Production** Cost



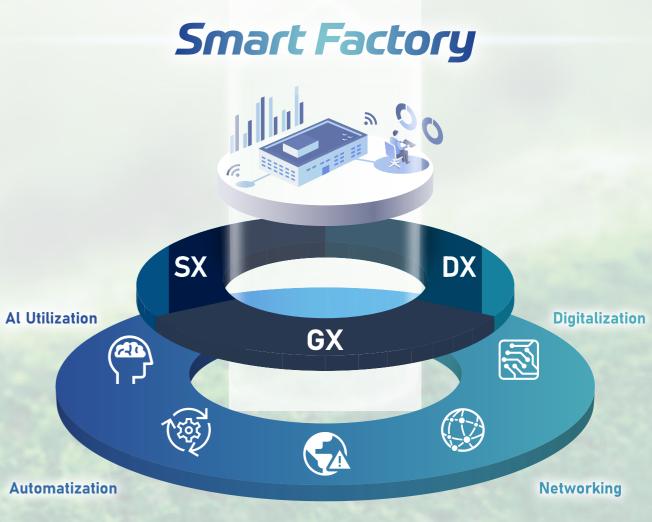
Reduction of environmental impact

DX Digital **Transformation**

GX Green **Transformation**

Sustainable **Transformation**

SX



DIGITALLY Smart Solution

Inspire the Knowledge in Sewing Adjustment Epoch-making Sewing Systems in history

Digitalization of sewing machines redefines the traditional reliance of skilled and experienced veterans in the sewing factory.

Realization of digitalization and IoT technology also introduces new possibilities to the improvement of bottleneck quality, reproduction of optimum tension controls,

and optimize time required for setup and maintenance processes.

Creation of exquisite seam

Digitalization of feeding locus*1, needle thread tension etc. with JUKI developed innovative technology. With numerical representation of sewing variables, parameter adjustments are made simplified while improvising efficiency and quality.

Reproduction of sewing with IoT

While sewing adjustment data are stored within the machine, the information can be extracted by using an Android terminal*2 or USB device. Realizes requests such as [Wanting to reproduce seam quality from previous adjustments], [Wish to allow other machine to exact the same sewing quality as each other].

Visualization of production activities

Digitalization is not limited for adjustments of parameter data. JUKI Smart APP*3 allows users to view the output and operation ratio etc. of individual machines in graph format. Promoting analysis and problem solving based on the actual conditions.

LINE UP



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

LU-2800V-7



Semi-dry Direct-drive, Post-bed, Unison-feed, kstitch Sewing System with Vertical-axis Large Hook

PLC-2700V-7



Computer-controlled Cycle Machine with Input Function

AMS-221F



Computer-controlled, High-speed, Bartacking Sewing System

LK-1900C



Computer-controlled, High-speed Buttonholing Sewing System

LBH-1790AN

^{*1} DDL-9000C, LZ-2290C

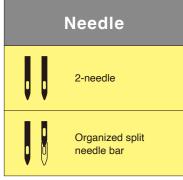
²² The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

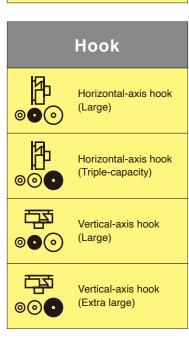
Contact JUKI distributor in your area for how to use the application software.

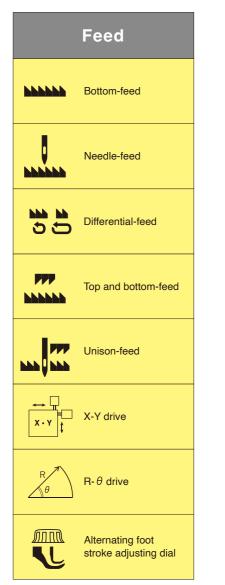
Pictographs for Function

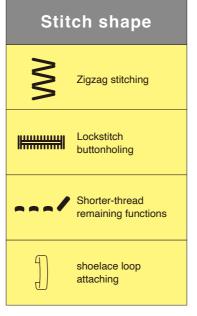
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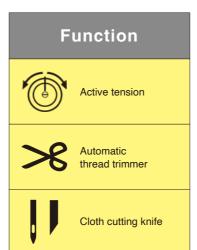
Catalog of each model is also available. For further details, please refer to each catalog.















*sti/min is the abbreviation for "stitches per minute"

Applications











Airbag



Sofa











Container bag



7	(IIII)
Bag	Sports shoes









Car seat











Safety harness

Bartacking Machine

LK-1900C-HS, 1900C-WS DIGITALLY

Flat-bed Sewing Machine	Shape-tacking Machine
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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	DB×1 #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.

DDL-5600NL-7, DDL-5600NL
3,000sti/min
8mm
By knee: 13mm
DB×1 (#21) #20~#23
#30~#8, B46~B92, Nm=60/3~30/3



DDL-5600N-7

Direct-drive, 1-needle, Top and Bottom-feed, **Lockstitch Machine with Double-capacity Hook** with Automatic Thread Trimmer

DU-1481-7

This sewing machine is provided with a high-torque direct-drive motor that supports heavy-weight ma terials. The machine achieves a longer distance from machine arm toneedle by adopting a high long arm. The DU-1481-7 is suited to the sewing and decorative shape-tacking of heavy-weight materials such as car seats, sofas, bags and stroller.

Model name	DU-1481-7	
Max. sewing speed	2,200sti/min	
Max. stitch length	9mm (Forward / Backward)	
Lift of the presser foot	By hand: 7mm, By knee: 16mm	
Alternating vertical movement	2~5.5mm	
Needle	DP×17 (#23) #18~#24	
Thread	#30~#8	
Distance from needle to machine arm	335mm×150mm	





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-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	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.











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

DU-141H-7 (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) #14~#23	
Thread	#40~#8, B33~B92, Nm=90/3~30/3	



DU-141H-7

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

LY2-3750-B1T

A high-performance top- and bottom-feed sewing machine born from advanced technology. Highly effective for fabrics that are difficult to feed or prone to misalignment. The high long arm provides a larger throat space, enabling it to accommodate a wide range of items such as cars seats, bags, and leather products.

Model name	LY2-3750-B1T	
Max. sewing speed	2,000sti/min	
Max. stitch length	8mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	2~5mm (Dial system)	
Needle	DP×17 (#22), DB×1 (#22)	
Hook	Horizontal-axis double-capacity full-rotary hook	





DNU-1541-7 **≫ ℚ**

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.

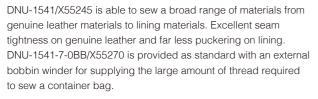
Model name	DNU-1541-7	DNU-1541S, DNU-1541
Max. sewing speed	3,000sti/min	2,500sti/min
Max. stitch length	9mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	1~6.5mm	2.5~6.5mm
Needle	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~15/3	



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

DNU-1541-7-0BB/X55270 (For container bag) **>** ♥

DNU-1541/X55245 (For thick thread)



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



DNU-1541/X55245

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 decrative stitches on jeans.

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	



Flat-bed Sewing Machine

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Double-capacity 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 φ175.

Model name	LU-1508NS, LU-1509NS	LU-1508NH, LU-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



LU-1508N

1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Double-capacity 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 without stitch gathering.

Model name	LU-1510N-7, LU-1511N-7	LU-1510N
Max. sewing speed	3,000sti/min	2,500sti/min
Max. stitch length	9n	nm
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 Double-capacity 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		
wax. 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	



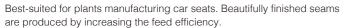
★5-way switch is an option. LU-1510NA-7

Flat-bed Sewing Machine

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

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







-needle	Unison-feed	Lockstitch	Machine with	Vertical-avie	Double-capaci	ty Hook

LU-1510NA-7/X55500 2,000sti/min

By hand: 9mm, By knee: 16mm

1~6.5mm 135×17 (Nm120) Nm100~Nm160

#30~#5, B46~B138, Nm=60/3~20/3

LU-1520NCS-7

Model name

Needle

Thread

Max. sewing speed Max. stitch length Presser foot

Alternating vertical movement

(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 (Nomal/reverse feed)	
Presser foot	By hand: 9mm, Auto: 16mm	
Alternating vertical movement	1~6.5mm	
Needle	135×17 (Nm120) Nm100~Nm160	
Thread	#30~#5	



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



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 LU-1561N-7	LU-1560N LU-1561N	LU-1565N
Max. sewing speed	2,500	sti/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		Nm180
Thread	#30~#5, B46~B138, Nm=60/3~20/3		



Flat-bed Sewing Machine

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

LU2-4400-B0B LU2-4410-B1T-CS ≫

Stable stitching and a built-in detector allow for easy adjustment of the lower position and improved maintenance, enhancing functionality and operability. The take-up lever stroke and feed motion have been changed to further improve the quality of car seat sewing.

Model name	LU2-4400-B0B	LU2-4410-B1T-CS
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	2~6mm	
Needle	DP×17 (#23)	DP×17 (#21)
Hook	Vertical-axis double-capacity full-rotary hook	



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

LU2-4420-B0B LU2-4430-B1T ≫

A two-needle, unison-feed, lockstitch sewing machine with a simple design focused on essential functions. Stable stitching and a built-in detector allow for easy adjustment of the lower position and improved maintenance, enhancing functionality and operability. Design change were applied to the thread take-up stroke and feed motion have further improved the quality of car seat stitching.

Model name	LU2-4420-B0B	LU2-4430-B1T
Max. sewing speed	2,000sti/min	
Max. stitch length	9mm	
Presser foot	By knee: 16mm	
Alternating vertical movement	2~6mm	
Needle	DP×17 (#23)	
Hook	Vertical-axis double-capacity full-rotary hook	



LU2-4430-B1T



















LU-2828V-7

(1-needle, vertical-axis 2.7 fold-capacity hook, shorter - thread remaining type)

LU-2860V-7

(2-needle, vertical-axis double-capacity hook)

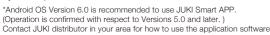
This model digitalizes adjustment values required for sewing and easily transfers them to the main body of sewing machine by means of the ICT. This sewing system is the flag ship model of sewing machines that are specifically developed for sewing heavy-weight materials for car seats and sofas such as 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.



LU-2828V-7

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

A "Two-way" contactless communication for parameter adjustment data can be conducted with the sewing machine by a commercial Android terminal. This feature allows sewing machines in a sewing line to be uniformly set and status checked quickly, thereby contributing to stabilization in product quality. Control panel is standardized with USB ports, promising simplicity in data management and system updates.



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

Model name	LU-2828V-7, LU-2828NV-7	LU-2860V-7, LU-2860NV-7
Max. sewing speed	3,500sti/min*	
Gauge	A: Gauge for Europe	
Max. stitch length	9.0mm	12.0mm
Presser foot	20mm	
Alternating vertical movement (DL)	9.0mm	
Hook	Vertical-axis 2.7 fold-capacity hook	Vertical-axis double-capacity hook
Needle	134×35 Nm140 (#22), Nm125~180 (#20~#24)	134×35 Nm160 (#23), Nm125~200 (#20~#25)

*sti/min is the abbreviation for "stitches per minute"

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

LU-2810-7 (2-pitch dial) □ □ >€ LU-2810





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-2810N-7	LU-2810 LU-2810N
Max. sewing speed	3,000	sti/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	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



Semi-dry Direct-drive, 1-needle, Vertical-axis Double-capacity Hook with Automatic Thread Trimmer

LU-2810V-7/X73235

This sewing machine is a double hook type digital sewing machine based on LU-2810-7. Like the LU-2800-7 series, It uses a high and long arm. 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

Model name	LU-2810V-7/X73235	
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	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	

Flat-bed Sewing Machine













LU-2810V-7/X73235

Semi-dry Direct-drive 2-needle, Unison-feed, Lockstitch Machine with Vertical-axis Double-capacity Hook

LU-2860-7 (2-pitch dial)

LU-2860

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-2860N-7	LU-2860 LU-2860N
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	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5_B46~B138_Nm=60/3~20/3	











Semi-dry Direct-drive, Unison-feed,

Lockstitch Machine with Vertical-axis 2.7 Fold-capacity Hook (2-pitch dial, long-pitch type)



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-2818NAL-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	135×17 (Nm160) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



LU-2868AL-7

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

LU-2828A-7

(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.

Model name	LU-2828A-7 LU-2828NA-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	134×35 (Nm140) Nm125~Nm180	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	



LU-2828A-7

Semi-dry Direct-drive, High-speed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis Hook with **Automatic Thread Trimmer (Long-pitch type)**











LU-2810ESAL-7 (Double-capacity hook, long-pitch type) LU-2818ESAL-7 (2.7 fold-capacity hook, long-pitch type)

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 LU-2818ESAL-7		LU-2828ESA-7
3,800sti/min 3,500sti/min		sti/min
12r	9mm	
By hand: 10mm, Auto: 20mm		
1~9mm		
135×17 (Nm160) Nm125~Nm200		
#30~#0, Nm=60/3~9/3		
	3,800sti/min 12r By h	3,800sti/min 3,500s 12mm By hand: 10mm, Auto: 2 1~9mm 135×17 (Nm160) Nm125~



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.

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



Flat-bed Sewing Machine

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

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

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

LU-2212N-7 (1.6 fold-capacity hook, 2-pitch dial type)

LU-2220N-7 (1.6 fold-capacity hook, 2-pitch dial, ____ shorter thread remaining type)

The machine demonstrates outstanding performance when sewing heavy materials, with its "high-quality consistent sewing capabilities", as well as with its remarkably powerful feed. LU2220N-7 reduces thread nipping work required at the beginning and end of sewing. 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-2210N-7, LU-2210W-7	LU-2212N-7	LU-2220N-7
Max. sewing speed	3,500sti/min		
Max. stitch length	9mm (Forward/backward)		
Max. lift of the presser foot	By hand: 9mm, Auto: 16mm		
Alternating vertical movement	1mm~6.5mm (By dial)		
Hook	N: Vertical-axis 1.6 fold-capacity hook W: Vertical-axis double-capacity hook		
Needle	134×35R (Nm140) Nm110~Nm160		
Thread	#30~#4, B46~B138, Nm60/3~20/3		

High-speed, 2-needle, Unison-feed, **Lockstitch Machine with Vertical-axis Hook**

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, LU-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	



1-needle, Lockstitch, Zigzag Stitching Machine with Double-capacity 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 Sewing Machine

Cylinder-bed, 1-needle, Top and Bottom-feed, Lockstitch Machine (Automatically lubricated for hook)

DSU-142-7 ×

DSU-142U

DSU-145-7 8 DSU-145U ...

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

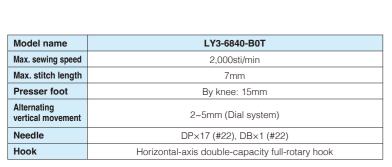
Model name	DSU-142U, DSU-142-7 DSU-145U, DSU-145-7		
Max. sewing speed	2,000sti/min		
Max. stitch length	5mm 6mm		
Presser foot	By knee: 13mm (With automatic thread trimmer) By knee: 15mm (Without automatic thread trimmer)		
Alternating vertical movement	2~5mm		
Needle	DP×17, DP×5		
Thread	#50~#20 #50~#8		



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

LY3-6840-B0T (Automatically lubricated for hook)

The high long arm cylinder bed can handle a variety of sewing operations. This sewing machine is suitable for hats and leather products. The excellent maneuverability of the machine guarantees high-quality sewing.





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

DSC-244U

DSC-246U (Double-capacity hook)

DSC-245U (Automatically lubricated for hook) DSC-245-7 (Automatically lubricated for 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 \$\phi46mm\$ 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) DSC-245(V)-7	DSC-246U(V) DSC-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, By knee: 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



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 unchaged 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 (Nomal/reverse feed)		
Lift of the presser foot	By hand: 9mm, By knee: 16mm (Max.)		
Alternating vertical movement	2.5~6.5mm		
Needle	135×17 (Nm130) Nm100~Nm180		
Thread	#50~#8, B33~B92, Nm=120/3~30/3		



Cylinder-bed Sewing Machine

Semi-long Arm, Cylinder-bed, 1-needle, Unison-feed, Lockstitch Machine with Vertical-axis 1.6 Fold-capacity 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-thr	ead type
Max. sewing speed	2,500sti/min		2,000	sti/min
Max. stitch length	9mm (Nomal/reverse feed)			
Presser foot	By hand: 10mm, Auto: 20mm			
Alternating vertical movement	1~9mm			
Needle	134×35 (Nm140) Nm100~180		134×35 (Nm18	0) Nm100~180
Thread	#30~#5	#40~#5	#20	~#0



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)

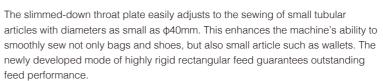


LS-1341 👺 LS-1340









Model name	LS-1342-7, LS-1342	LS-1341, LS-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)		



LS-1342-7

Cylinder-bed Sewing Machine

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	
Heavy weight	
2,000sti/min	
6mm	
36mm	
135×17 (Nm160) Nm125~Nm180	
#30~#5, B46~B138, Nm=60/3~20/3	



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 throad 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

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).

Model name	LS-1342-7-0BB/X55275	LS-1342/X55274	LS-1342/X55280
Max. sewing speed	2,000sti/min		
Max. stitch length	6mm (Nomal/reverse feed)		4mm (Nomal/reverse feed)
Hook	Vertical-axis 1.6 fold-capacity hook		
Needle thread tention control	Double tention type		
Needle	135×17 (Nm160) Nm100~Nm180		135×17 (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













Semi-dry Direct-drive, Post-bed, Unison-feed,

Lockstitch Sewing System with Vertical-axis Hook PLC-2710(N)VS-7 (1-needle, double-capacity hook)

PLC-2760(N)VS-7 (2-needle, double-capacity hook)

PLC-2710NVM-7 (1-needle, 1.6 fold-capacity hook)

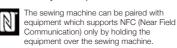
PLC-2760NVM-7 (2-needle, 1.6 fold-capacity hook)

This new model digitalizes adjustment values required for sewing and easily transfers them to the main body of sewing machine by means of the ICT. 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. 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.

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

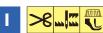
A "Two-way" contactless communication for parameter adjustment data can be conducted with the sewing machine by a commercial Android terminal. This feature allows sewing machines in a sewing line to be uniformly set and status checked quickly, thereby contributing to stabilization in product quality. Control

panel is standardized with USB ports, promising simplicity in data management and system updates.



DIGITALLY









Post-bed Sewing Machine



PLC-2760VS-7

*Android OS Version 6.0 is recommended to use JUKI Smart APP. (Operation is confirmed with respect to Versions 5.0 and later,) Contact JUKI distributor in your area for how to use the application software.

Model name	PLC-2710VS-7, PLC-2710NVS-7	PLC-2710NVM-7	PLC-2760VS-7, PLC-2760NVS-7	PLC-2760NVM-7
Max. sewing speed	2,500sti/min			
Max. stitch length		9mm at the time of shipment (Max. 12mm)		
Hook	Vertical-axis double-capacity hook	Vertical-axis 1.6 fold-capacity hook	Vertical-axis double-capacity hook	Vertical-axis 1.6 fold-capacity hook
Presser foot	20mm			
Alternating vertical movement	0.5~9.0mm			
Needle	134×35 (Nm140) Nm100~180			
Thread		#30)~#5	

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

PLC-2710(N)S-7 (Double-capacity hook)

PLC-2710(N)S (Double-capacity hook)

PLC-2710NM-7 (1.6 fold-capacity hook) D I

PLC-2710NM (1.6 fold-capacity hook)

It is 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-2710S-7, PLC-2710NS-7	PLC-2710S, PLC-2710NS	PLC-2710NM-7	PLC-2710NM
Max. sewing speed	2,500sti/min			
Max. stitch length	12mm			
Hook	Vertical-axis double-capacity hook		Vertical-axis 1.6 fold	d-capacity hook
Presser foot	By hand:10mm, Auto: 20mm By knee: 20mm		By hand:10mm, Auto: 20mm	By knee: 20mm
Alternating vertical movement	1~9mm			
Needle	135×17 (Nm140) Nm100~Nm180			
Thread	#30~#5			

PLC-2760(N)S-7 D I > (Double-capacity hook)

PLC-2760(N)S

(Double-capacity hook)
PLC-2760L

(Thick-thread long-pitch type, double-capacity hook)

PLC-2765 || 👼

(With organized split needlebars, double-capacity hook)

PLC-2710NM-7 D I >(1.6 fold-capacity hook)

PLC-2710NM

(1.6 fold-capacity hook)

It is 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.





PLC-2760S-7

Model name	PLC-2760S-7 PLC-2760NS-7	PLC-2760S PLC-2760NS	PLC-2760L	PLC-2765	PLC-2710NM-7	PLC-2710NM
Max. sewing speed	d 2,500sti/min		2,000sti/min	2,500sti/min		
Max. stitch length		12m				
Hook		Vertical-axis doub	ole-capacity hook		Vertical-axis 1.6 f	old-capacity hook
Presser foot	By hand: 10mm, Auto: 20mm	By hand: 10mm, By knee: 20mm		By hand: 10mm, By knee: 18mm	By hand: 10mm, Auto: 20mm	By hand: 10mm, By knee: 20mm
Alternating vertical movement	1~9mm					
Needle			135×17 (Nm200) Nm140~Nm200	135:	×17 (Nm140) Nm100~f	Vm180
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

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, PLC-1710	
Max. sewing speed	2,500sti/min	
Max. stitch length	9mm	
Presser foot	Auto: 16mm	
Alternating vertical movement	1~6.5mm (1710-7) 2.5~6.5mm (1710)	
Needle	134×35 (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

Model name	PLC-1760-7, PLC-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 (1760-7, 1760L) 2.5~6.5mm (1760)		
Needle	134×35 (Nm140) Nm110~Nm160	134×35 (Nm200) Nm140~Nm200	
Thread	#30~#5, B46~B138, Nm=60/3~20/3	#8~#0, B92~B207, Nm=30/3~15/3	

easily changed using the large dial mounted on the top of the machine head.



PI C-176

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-bet 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: 10.5mr		
Post heigth	420mm	425mm	
Alternating vertical movement	2~7mm		
Needle	134×35R (Nm120) Nm100~Nm140		
Thread	#30~#8, B46~B92, Nm=60/3~30/3		



PLC-16

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, PLH-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~#2		
Thread	#40~#8, B33~B92, Nm=90/3~30/3		





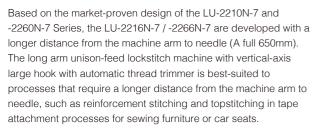


PLN-985U

Long Arm Sewing Machine

Long-arm, Unison-feed, Lockstitch Machine with Vertical-axis 1.6 Fold-capacity Hook

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



Model name	LU-2216N-7	LU-2266N-7	
Max. sewing speed	3,000	sti/min	
Max. stitch length	9mm	6mm	
Presser foot	Auto: 16mm		
Alternating vertical movement	1~6.5mm		
Distance from needle to machine arm	650mm		
Needle	134×35R (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, LG-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	DD×1 (#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	





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-weigth 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

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



TSN-421U (Needle-feed) LTSC-441U (Unison-feed) LTSC-441U

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-44

1/



O M W



The LK-1900C has achieved the maximum sewing speed of 3,300 sti/min. The new mechanism contributes to increased rigidity of the machine driving section. In addition, greater speed is achieved through the reviewing of the Oiling System.

● The LK-1900CW (with a 1.8-fold capacity hook) runs at a speed of 3,000 sti/min.

Two-way data communication function for sewing machine data using an NFC terminal

The standard LCD panel is provided as standard with a USB port to facilitate data management between sewing machines and update of software. If you additionally use the optional NFC

terminal, bidirectional data communication is enabled with a commercially-available Android terminal in a non-contact manner. This enables quick sharing of pre-set sewing data with other sewing machines to reduce the time required for set-up changing.

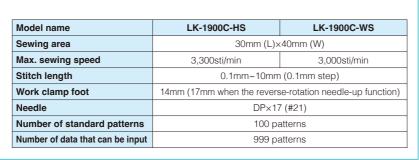
Optional NFC terminal: Part number 40289481



LK-1900CSS000K

NFC terminal optional

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





(Operation is confirmed with respect to Versions 5.0 and later.) Contact JUKI distributor in your area for how to use the

Shape-tacking Machine

Computer-controlled, High-speed Shape-tacking Machine

LK-1910

LK-1920 (With intermediate presser)

The sewing speed of 2,500 sti/min is the fastest-level sewing speed among the shape-tacking machines.

The sewing machine has adopted a semi-rotary two-fold capacity hook. In addition, the sewing machine comes with enhanced functions such as the feeding frame with a higher lift and the direct-drive machine head that provides excellent responsiveness and stop accuracy support the machine's high-speed performance, thereby achieving increased productivity.

Model name	LK-1910S, LK-1920S	LK-1910H, LK-1920H
Application	Standard	Heavy weight
Sewing area	60mm (L)×100mm (W)	
Max. sewing speed	2,500sti/min	
Stitch length	0.1~10mm	
Number of data that can be input	64 patterns	
Needle	DP×5 (#14) DP×17 (#18)	



AMS-251 (1-needle • X: 1000mm × Y: 600mm)

AMS-252/X77026 (2-needle • X: 1000mm × Y: 600mm)

Option: Camera System [No.4021067]

CNC Sewing machine (Head turning type)

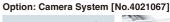
JUKI's unique synchronization technology controls the machine head, hook and feed mechanism, thereby creating the most favorable seams. In case of continuous circumference sewing, the sewing machine constantly detects the direction of sewing. As a result, consistent-quality seams are produced regardless of the direction of sewing

The sewing machine is ideally suited to the sewing of decorative stitches on car seats, luxury bags and school bags, but also to the sewing of large-sized products with zero design tolerance for irregular stitches. In addition, the sewing machine can be used for sewing two or more pieces of small products at a time. This device (40210671) contributes to expanded design possibility of decorative stitches for car seats, etc. Thanks to JUKI's original image recognition technology, this sewing machine enables sewing of hard-to-sew perforated materials as desired and produces beautifully-finished seams.



AMS-251/Camera System (40210671)

Model name	AMS-251	AMS-252/X77026
Туре	1-needle 2-needle	
Application	Medium to heavy weight	
Needle (at the time of delivery)	DP×17 (#23) #18~25	
Thread	Nm 60/3 - 20/3	
Hook	Horizontal-axis triple-capacity full-rotary hook	Vertical-axis 2.7 fold-capacity full-rotary hook







Computer-controlled Cycle Machine

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-224EN-4530RS 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



AMS-224EN-4530R/AW-3

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)	
Sewing area	X: 450mm - Y: 300mm X: 600mm - Y: 300mm	
Settable stitch length	0.1~12.7mm (0.05mm step)	
Needle	DP×17 (#18) DP×17 (#23)	
Compressed air / Air consumption	0.5~0.55MPa (Max. 0.55MPa) / 156dm³/min (With 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)	
Sewing area	X: 450mm - Y: 300mm	
Settable stitch length	0.1~12.7mm (0.05mm step)	
Needle	DP×17 (#18)	
Compressed air / Air consumption	0.5~0.55MPa (Max. 0.55MPa) / 1.8dm³/min (Without AW-3)	

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

AMS-221F-3020R/AW-3 (Automatic bobbin-thread winding and feeding device)

AMS-221F-3020R

The AMS-221F-3020R has adopted the rotary type hook. This machine has high sewing machine operation rate and bobbin thread occurs frequently replacement. Since the AMS-221F-3020R/AW-3 changes the bobbin automatically before the bobbin-thread runs out and bobbin-threadis wound during sewing, the operator is able to concentrate on sewing with out worrying about shortage of bobbin thread. In addition, only two bobbin cases are required for sewing. As a result, burdensome control of productivity. bobbin thread tension and bobbin-changing work are no longer required, thereby contributing to increased productivity.



Model name	AMS-221F-H3020R/AW-3 AMS-221F-H3020R	AMS-221F-G3020R/AW-3 AMS-221F-G3020R
Application	Medium to heavy weight	Extra heavy weight
Max. sewing speed	2,800sti/min*	
Sewing area	300mm (X) × 200mm (Y)	
Settable stitch length	0.1~12.7mm (0.05mm step)	
Needle	DP×17 (#18) DP×17 (#23)	
Compressed air / Air consumption	0.35~0.55MPa (Max. 0.55MPa) / 156dm³/min (With AW-3), 1.8dm³/min	





AMS-224EN-4530R















AMS-221F-3020R/AW-3

Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function

AMS-221F-2516

(X: 250mm × Y: 160mm)

AMS-221F-3020

(X: 300mm × Y: 200mm)

AMS-221F has achieved increased productivity with its maximum sewing speed of 2,800 sti/min and beautifully finished seams with its new feed control system. The active tension can be changed over with the memory switch between the low-tension side output and the high-tension side output to enable fine adjustment of the thread tension in the actual area of use.













AMS-221F-2516

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

A "Two-way" contactless communication for parameter adjustment data can be conducted with the sewing machine by a commercial Android terminal. This feature allows sewing machines in a sewing line to be uniformly set and status checked quickly, thereby contributing to stabilization in product quality. Control panel is standardized with USB ports, promising simplicity in data management and system updates.

*Android OS Version 6.0 is recommended to use JUKI Smart APP. (Operation is confirmed with respect to Versions 5.0 and later.) Contact JUKI distributor in your area for how to use the application software.

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

Model name	AMS-221F-S	AMS-221F-H	AMS-221F-G
Application	Light to medium weight	Medium to heavy weight	Heavy to extra heavy weight
Max. sewing speed	2,800sti/min		
Sewing area	0.1~12.7mm (0.05mm step)		
Storage of pattern	Main-body memory: Max. 50,000,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)		
data in the memory	External media: Max. 50,000,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)		
Needle	DP×5 (#14)	DP×17 (#18)	DP×17 (#23)

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-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.





AMS-210FN-1510



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	Main-body memory: Max. 500,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)			
data in the memory	External media: Max. 50,000,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)		pattern)	
Needle	DPx5 (#14)			
*Stitch length is 4mm or less for the AMS-210EN and 3.5mm or less for the AMS-221EN.				

Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function (Full-rotary, triple-capacity hook)

AMS-210EN-ZL1510RZC/X90022

(X: 150mm x Y: 100mm) *Needle plate auxiliary cover: with 2210 type

AMS-210EN-ZL1510RZC/X90023 (X: 150mm × Y: 100mm) < Provided with a wide-type auxiliary cover>

AMS-210EN-ZL1510RZC/X90030

(X: 150mm x Y: 100mm) < for CE>

This machine has been designed for thick threads and is particularly suited to the sewing of seatbelts, safety belts, and extra-heavy-weight materials. The triple-capacity & full-rotary hook contributes to the achievement of soft-texture beautifully-finished seams. JUKI's unique thread-trimming mechanism achieve increased productivity and improved sewing quality.













AMS-210EN-ZL1510RZC/X90023

Model name	AMS-210EN-ZL 1510RZC/X90022*1	AMS-210EN-ZL 1510RZC/X90023	AMS-210EN-ZL 1510RZC/X90030*2	
Max. sewing speed		2,200sti/min (Less than 4.5mm)		
Sewing area		X: 150mm × Y: 100mm		
Stitch length	0.1 to 12.7mm (In increments of 0.05mm)			
Hook	Triple capacity full-rotary hook			
Needle	DP×17 (#25) #25~#26			
Air consumption	4.7dm³ (ANR) /min			
Power supply	Single-phase 200-240V	3-phase 200-240V	Single-phase 200-240V (For CE)	

^{*1.} Needle plate auxiliary cover: with 2210 type *2. for CE, eco type (Simple operation panel, without accessories)

Computer-controlled Cycle Machine with Input Function

AMS-224EN-4530 (X: 450mm × Y: 300mm)

AMS-224EN-6030 (x: 600mm × Y: 300mm)

AMS-224ENHC10050 (X: 1,000mm × 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.



AMS-224EN-6030

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	Main-body memory: Max. 500,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)		
data in the memory	External media: Max. 50,000,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)		
Needle	DP×17 (#18)	DP×17 (#23)	

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







AMS-224EN-4530/X7910 (X: 450mm × Y: 300mm) AMS-224EN-6030/X7910 (X: 600mm × Y: 300mm)

AMS-224ENHC10050/X7970 (X: 1,000mm × 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.



AMS-224EN-6030/X7910

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	Main-body memory: Max. 500,000 stitches, 999 patterns (Max. 50,000 stitches / pattern)	
in the memory	External media: Max. 50,000,000 stitches, 999 patte	erns (Max. 50,000 stitches / pattern)
Needle	DP×17 (#18)	

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









AMS-224EN-6060 (X: 600mm × 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.



AMS-224EN-6060

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	DP×17 (#24 B point) (135×17 FG Nm180)	

Computer-controlled Cycle Machine

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

AMS-210EN-HL1306/7300

(X: 130mm × 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.



AMS-210EN-HL1306/7300

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) #25~#26	

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.









AMS-210EN-HL2210/TF10S

AMS-210EN-HL2210/TF10S	
2,000sti/min	
0.1~12.7mm (0.05mm step)	
Synthetic leather, coating & enamel etc	
10.0~16.7mm (0.1mm step)	
55~130mm (1.0mm step)	
~1.5mm	
DP×17 (#16)	

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

AMS-221EN-TS3020

(X: 300mm × 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	DP×17 (#18)	



Computer-controlled Cycle Machine with Input Function (Cylinder Specification)

AMS-221RC

(X: 420mm × Y: 150mm)

This is JUKI's first cylinder-shaped bed that specializes in sewing curved products. The sewing machine achieves the highest sewing speed, 2,300sti/min. The cylinder size is Φ144.5 mm,The largest XY travel range is; X: 420mm and Y: 150mm. It possible to handle large-sized materials for various applications.

Model Name	AMS-221RC	
Max. sewing speed	2,300sti/min	
Sewing area	X: 420mm Y: 150mm	
Stitch length	0.1~12.7mm (0.05mm step)	
Needle	DP×17 (#18)	
Hook	Double-capacity full-rotary hook	
Thread trimming mechanism	Horizontal knife & individual motor drive	



Computer-controlled Cycle Machine with Input Function

PLK-J2516-YU PLK-J2516R-YU

(X: 300mm × Y: 200mm)

The PLK-J series is compatible with medium-sized sewing areas of 300mm x 200mm. This is a next-generation machine that delivers world-class sewing capabilities and functional performance. Independent motor control enables beautiful, fast, and easy sewing of conventionally difficult curved stitches and large seams.

Model name	PLK-J2516-YU	PLK-J2516R-YU
Max. sewing speed	2,300sti/min	
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)	
Max. stitches	20,000 stitches/pattern	
Max. patterns	9,000	
Needle	DP×17 (#18)	
Hook	Double-capacity shuttle hook	Double-capacity full-rotary hook





Computer-controlled Cycle Machine

Computer-controlled Cycle Machine with Input Function

PLK-J3020R-SE (X: 300mm × Y: 200mm)

The PLK-J series offers advanced traceability features that guarantee quality. By visualizing the load on the thread take-up lever, the machine detects skipped stitches, single-thread engagement, and irregular fabric thicknesses caused by preparation mistakes before sewing or the inclusion of surplus fabric during sewing. By saving sewing results, users gain a body of data useful for wide-ranging purposes such as quality control during the manufacturing.

Model name	PLK-J3020R-SE	
Max. sewing speed	2,300sti/min	
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)	
Max. stitches	20,000 stitches/pattern	
Max. patterns	9,000	
Needle	DP×17 (#18)	
Hook	Double-capacity full-rotary hook	



Computer-controlled Cycle Machine with Input Function

(X: 400mm × Y: 400mm)

(X: 600mm × Y: 400mm)

PLK-J4040 🞝, PLK-J4040R 🞝, PLK-J4040R3 🞝

PLK-J6040 , PLK-J6040R , PLK-J6040R3 .





The PLK-J series is compatible with large sewing areas. The "L-shaped" arm structure and XY-axis vibration control technology help minimize vibration and noise while delivering exceptional energy-saving effects. With seven independent motors in the drive section, the machine is configured for precise adjustments to accommodate fabrics of many types, from thin to thick. Beautiful stitching on both curved and large seams is achieved every time.

Model name	PLK-J4040 PLK-J6040	PLK-J4040R PLK-J6040R	PLK-J4040R3 PLK-J6040R3
Max. sewing speed	2,000sti/min 2,500sti/min		sti/min
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)		
Max. stitches	20,000 stitches/pattern		
Max. patterns	9,000		
Needle	DP×17 (#18)		
Hook	Double-capacity shuttle hook	Double-capacity full-rotary hook	Triple-capacity full-rotary hook



Computer-controlled Cycle Machine with Input Function

PLK-J10050 , PLK-J10050R , PLK-J10050R3 .

PLK-J12060, PLK-J12060R, PLK-J12060R3 (X: 1,200mm × Y: 600mm)







The PLK-J series is compatible with large sewing areas. The "L-shaped" arm structure and XY-axis vibration control technology help minimize vibration and noise while delivering exceptional energy-saving effects. With seven independent motors in the drive section, the machine is configured for precise adjustments to accommodate fabrics of many types, from thin to thick. Beautiful stitching on both curved and large seams is achieved every time.

Model name	PLK-J10050 PLK-J12060	PLK-J10050R PLK-J12060R	PLK-J10050R3 PLK-J12060R3	PLK-J12070R3
Max. sewing speed	2,000sti/min	10050R: 2,500sti/min 12060R: 2,300sti/min	10050R3: 2,500sti/min 12060R3: 2,300sti/min	2,300sti/min
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)			
Max. stitches	20,000 stitches/pattern			
Max. patterns	9,000			
Needle	DP×17 (#21)			
Hook	Double-capacity shuttle hook Double-capacity full-rotary hook Triple-capacity full-rotary hook			



PLK-J4040RH (X: 400mm × Y: 400mm)

PLK-J10050RH

 $(X: 1,000mm \times Y: 500mm)$

The machine delivers the strength and power needed to sew extremely thick materials with full-rotary 6x hook. By expanding the sewing area, it is now possible to sew full harnesses and sling belts in multiple processes at the same time. In addition, the machine sews 1.5 times faster than conventional sewing machines designed for the sewing of extra-thick materials. The expanded sewing area and increased speed significantly reduce the cycle time.

Model name	PLK-J4040RH PLK-J10050RH	
Max. sewing speed	1,000sti/min	
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)	
Max. stitches	20,000 stitches/pattern	
Max. patterns	9,000	
Needle	DD×1 (#26)	
Hook	6 fold-capacity full-rotary hook	



Computer-controlled Cycle Machine with Input Function (Extra heavy-weight)

PLK-G2008H PLK-G2008H-BTRM

(X: 200mm × Y: 80mm)

Uniquely developed technology realizes the industry's top class needle penetration force. Ideal for sewing safety belts, full-body harnesses, and lifting slings. Sewing can be done with ease even during low-speed sewing (200 sti/min), such as at the start of stitching or during thread trimming which conventionally required more power. In addition, the newly adopted heat cutter thread trimming device prevents thread fraying.

_			
Model name	PLK-G2008H PLK-G2008H-BTRM		
Max. sewing speed	700sti/min		
Stitch length	0.1~20.0mm (Min. resolution 0.1mm)		
Max. stitches	20,000 stitches/pattern		
Max. patterns	900/internal memory		
Thread cutting system	Heat cut system (For upper/lower thread trimming) Heat cut system (Only for lower thread trimmin		
Needle	794 (#230)		
Hook	Special shuttle hook (With bobbin removal mechanism)		



PI K-G2008F

Automatic Bobbin Thread Wind-and-Feed Device (Retrofit kit for AMS-EN Series shuttle hook type / PLK-J Series double-size rotary hook type)

AW-3S

The AMS-221EN, AMS-224EN and PLK-J Series of computer-controlled cycle machines with input functions can retrofit an automatic bobbin thread Wind-and-Feed device. Improved seam quality, productivity and operability are achieved by installing this device to the sewing machine. This device is suitable for the sewing of products such as air bags, sports shoes and bags.

Device	AW-3S		
Sewing machine head to which the device is installed	AMS-221EN / AMS-224EN	PLK-J Series	
Applicable bobbin and bobbin case	Bobbins and bobbin cases for shuttle hook	Bobbins and bobbin cases for double-size rotary hook	
Thread	#5~#30, 135~45 (TEX), 020~060 (TKT)		
Applicable types of thread	Tetoron thread, nylon thread		
Remaining thread removal operation, bobbin winding and threading operations	Automatic (While the sewing machine is in operation)		



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 full-rotary hook	
Needle bar stroke	45.7mm	
Needle	DP×17 (#18)	
Shoelace loop width	6~12mm	
Finished length of shoelace loop	15~20mm	





AB-1360/CR-10A

DI X 1

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 full-rotary hook	
Needle bar stroke	45.7mm	
Needle	DP×17 (#18)	
Shoelace loop width	6~12mm	
Finished length of shoelace loop	15~20mm	





Machine Head Rotation Pattern Seamer

PS-910-13090 (X: 1,300mm × Y: 900mm)

The dry head machine achieves max speed 3,000 sti/min. JUKI's unique synchronization technology controls the machine head, hook and feed mechanism, thereby creating the most favorable seams. In case of continuous circumference sewing, the sewing machine constantly detects the direction of sewing. As a result, consistent-quality seams are produced regardless of the direction of sewing. The active tension for machine head rotation is used in the needle thread tension control device.

Model name	PS-910HB-13090CKZ PS-910HB-13090CKW	PS-910HB-13090ZKZ PS-910HB-13090ZKW		
Sewing area	1,300 mm			
Max. sewing speed	3,000	3,000 sti/min		
Lubrication	Semi-dry			
Feeding type	Belt Drive			
Stitch length	0.5 - 12.7 mm			
Hook	Double-capacity full-rotary hook			
Cutter equipment	Laser —			
Needle	DB × 17 (#21) #18~#23			
Dimensions	2,100mm(W) × 2,325mm(L) × 1,240mm(H)			



PS-910HB-13090CKZ







Automatic Machine





PS-910-6055 (X:600mm × Y:550mm)

The dry head machine achieves max speed 3,000 sti/min. JUKI's unique synchronization technology controls the machine head, hook and feed mechanism, thereby creating the most favorable seams. In case of continuous circumference sewing, the sewing machine constantly detects the direction of sewing. As a result, consistent-quality seams are produced regardless of the direction of sewing. The active tension for machine head rotation is used in the needle thread tension control device.

Model name	PS-910HS-6055ZKZ PS-910HS-6055ZKW	PS-910AS-6055ZKZ PS-910AS-6055ZKW	
Sewing area	600 mm × 550 mm*		
Max. sewing speed	3,000 sti/min		
Lubrication	Semi-dry		
Feeding type	Screw drive		
Stitch length	0.5 - 12.7 mm		
Hook	Double-capacity full-rotary hook		
Needle	DB × 17 (#21) #19~#21 DB × 17 (#23) #23~#2		
Dimensions	1,753mm (W) × 1,410mm (L) × 1,524mm (H)		

^{*} The X-direction can be extended up to 800 mm. Sewing area 800mm(X) \times 550mm(Y): PS-910HS6055ZK*/X88032, PS-910AS6055ZK*/X88032





PS-910AS-6055ZKW

Pattern Seamer

PS-800-13085 (X: 1,300mm × Y: 850mm) **PS-800-12080** (X: 1,200mm × Y: 800mm) **PS-800-8045** (X: 800mm × Y: 450mm)

The dry head machine achieves max. speed 3,000sti/min with supporting various sewing and materials. There are 4 types of sewing areas. The PS-800-8045 can be installed in a space-saving manner. The table size width is 1,200mm, the same as 1-needle lockstitch machine.



PS-800-12080

Model name	PS-800HB-13085	PS-800HB-8045	PS-800HS-12080
Sewing area	1,300 mm × 850 mm	800 mm × 450 mm	1,200 mm × 800 mm
Feeding type	Double stepping	Double stepping motor Belt Drive	
Max. sewing speed	3,000 sti/min		
Stitch length	0.5 - 12.7 mm		
Hook	Double-capacity full-rotary hook		
Needle	DP × 17 (#21) #18~#23		
Dimensions	2,190mm(W) × 2,100mm(L) × 1,250mm(H) 1,200mm(W) × 1,325mm(L) × 1,250mm(H) 2,180mm(W) × 2,185mm(L) × 1,250		

Pattern Seamer

PS-800HB-8045ZKZ/X88009 (For Shoes, bag)

(X: 600mm × Y: 410mm)

This machine is a special model modified for shoes and bags. The dry head machine achieves max.speed 3,000sti/min with supporting various sewing and materials. The PS-800-8045 can be installed in a space-saving manner. The table size width is 1.200mm, the same as 1-needle lockstitch machine.

Model name	PS-800HB-8045ZKZ/X88009	
Sewing area	600 mm × 410 mm	
Feeding type	Double stepping motor belt drive	
Max. sewing speed	3,000 sti/min	
Stitch length	0.5 - 12.7 mm	
Needle	DP × 17 (#21) #18~#23	
Dimensions	1,200mm (W) × 1,325mm (L) × 1,250mm (H)	







Automatic Machine

Pattern Seamer

PS-800-3830

(X: 380mm × Y: 300mm)

The dry head machine achieves max speed 3,000 sti/min. PS-800SB-3830AKVV and PS-800SB-3830ZKWV is equipped with a vacuum device that facilitates the setting of soft knits and light fabrics. The machine can be installed in a space-saving manner. Not only the parts department but also sewing lines can be used.



Model name	PS-800SB-3830AKKV	PS-800SB-3830AKK	PS-800SB-3830ZKZV	PS-800SB-3830ZKZ	PS-800HB-3830ZKZ
Sewing specifications		Light weigh	t materials		Heavy weight materials
Sewing area			380mm × 300mm		
Max. sewing speed		3,000 sti/min (At the time of delivery: 2,800 sti/min)		3,000 sti/min (At the time of delivery: 1,800 sti/min)	
Lubrication	Semi-dry (Needle bar: dry)				
Fabric vacuum function	Standard	_*	Standard	-*	
Knife	Rotary twin knives (Upper and lower type) Non knife				
Needle	DP × 17 (#21) #8~#23				
Hook	Double-capacity full-rotary hook				
JaNets device	Retrofittable				
Dimensions	1,200mm (W) × 1,020mm (L) × 1,440mm (H)				
Template recogniser for barcode model	PS-800SB-3830AKVV	PS-800SB-3830AKV	PS-800SB-3830ZKWV	PS-800SB-3830ZKW	PS-800HB-3830ZKW

*Option device can be retrofitted. (Fabric vacuum function: No.40286900)

Others

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-0M6-7E0	
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)





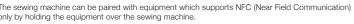
LBH-1790AN

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

A "Two-way" contactless communication for parameter adjustment data can be conducted with the sewing machine by a commercial Android terminal. This feature allows sewing machines in a sewing line to be uniformly set and status checked quickly, thereby contributing to stabilization in product quality. Control panel is standardized with USB ports, promising simplicity in data management and system updates.

*Android OS Version 6.0 is recommended to use JUKI Smart APP. (Operation is confirmed with respect to Versions 5.0 and later.) Contact JUKI distributor in your area for how to use the application software.





	1 711 (700 41)		
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 for 120mm buttonhole (From LBH-1790AN)

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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, 200~240V 3-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 * (For optional outputs)	
Number of basic programs*2	_	4	
Number of basic programs steps	_	25 sewing steps (Per 1 program)	

Control box, Motor, Panel

LIMISERVO X G Series

The LIMISERVO X G Series includes auto thread trimming, presser foot lifting, fixed-stitch stitching, continuous stitching and backtacking. The motor is compact and lightweight. By selecting the sewing machine from the simple mode setting of the control box, it is possible to easily set the thread trimming timing and other sewing machine settings of other companies' sewing machines.



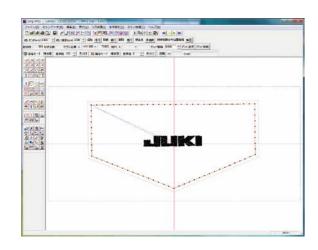
Control box	XC-GMF*-10-05	XC-GMF*-20-05	XC-GMF*-20-07	
Motor	XL-G554-10Y	XL-G554-20Y	XL-G754-20Y	
Power supply	Single-phase 100-120V*	Single-phase, 3	-phase 200-240V*	
Rated output	550V	V	750W	
Rated speed		3,600 sti/min		
Rated torque	1.47N·m (0.15kg·m) 1.96N·m (0.2kg·		1.96N·m (0.2kg·m)	
Speed control range		70 sti/min to 8,999 sti/min		
Machine axis	Shipping setting (250sti/min to 4,000sti/min)			
Motor axis	50 sti/min to 3,600 sti/min			
Detector	XC-KE-01P			
Mass	Control box: 3.5kg (Net), 6.9kg (Gross), Motor: 6.9kg (Net), 9.1kg (Gross)			

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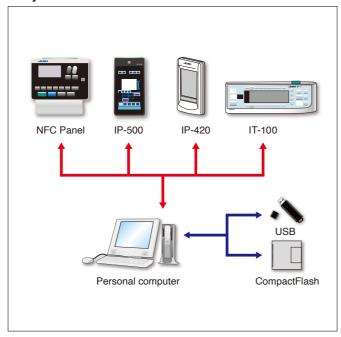
Programming Software for Computer-controlled Sewing Machines

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

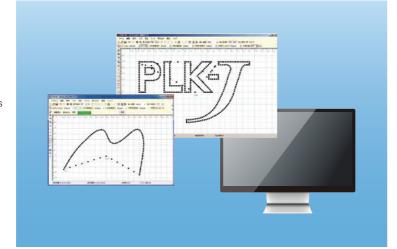


The sewing machine can be paired with equipment which supports NFC (Near Field Communication)

CompactFlash™ or CFA specification compatible media. "CompactFlash™"is a registered trademark of SanDisk Corporation, U.S.A. Other company names and product names/brand names are trademarks or registered trademarks of the respective companies.

PTN-JX (for PLK-J, PLK-G)

This software allows you to create and edit sewing patterns on a computer. Downtime is minimized, as sewing data can be generated without interrupting the operation of the sewing machine. Use CAD to generate accurate sewing data even for complex shapes. You can also configure various functions that enhance quality and operability, such as digital tension, feed speed, and presser foot movement.



Recommended operation environment

necommenueu	operation environment	
CPU	1.5GHz or higher 32bit (×86) or 64bit (×64) processor	
os	Windows®8/8.1 (32bit/64bit) / Windows®10 (32bit/64bit)	
RAM	32bit: 1GB or more, 64bit: 2GB or more	
HDD	Windows®8/8.1,Windows®10: 32bit (16GB or more open space), Windows®8/8.1,Windows®10: 64bit (20GB or more open space)	
Monitor resolution	Capable of displaying 1024×768 or higher	
Monitor color setting	Full color (32bit) or higher	
Peripheral devices	CD-ROM drive (Used for installation), USB memory (Medium for electronic sewing machine and pattern data), USB port × 2 (For USB memory or USB communication for protection key), RS-232C port (When exchanging stitching data betwee PTN-GX and sewing machine)	

^{*1.} The CPU, memory, and hard disk specifications may vary depending on the amoun of data being processed.
*2. A relatively high PC performance is required for the best use.

Main specifications

Protector type	USB						
Input type	Linear, arc, circle, curve, polygonal line, point, multiple/offset, zigzag, tacking (Same input functions as PLK-J Series electronic sewing machines)						
Modification type	Delete, insert, change, move, convert, code (In addition to PLK-J Series electronic sewing machine modification function, data can be deleted, inserted and moved in block units)						
Display scale	20 to 5000%						
Grid line pitch	0.1~100mm, or hidden						
Input method	Personal computer mouse, coordinate value input (Absolute coordinate, relative coordinate)						
Supported data types	Data compatible with PLK electronic sewing machines (J, G data)*1 DXF data*2 (R12, R13, R14), embroidery data (Only specified versions are supported)						

^{*1.} G data is read only.

Windows is a trademark or registered trademark of Microsoft Corporation in the United States and other countries.

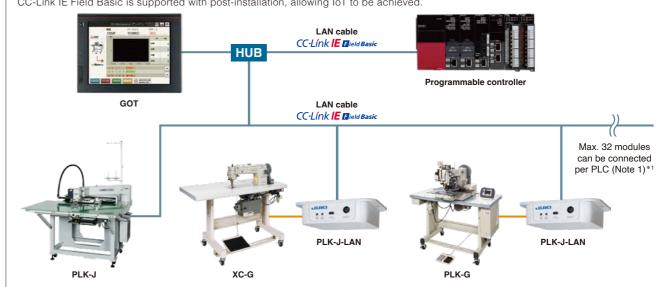
Build a system for data collection and visualization using original network

PLK-J-LAN (LAN unit for XC-G, PLK-G)





The LAN module is connected to the sewing machine with a serial cable, so there's no need for a separate power supply. CC-Link IE Field Basic is supported with post-installation, allowing IoT to be achieved.



XC-G	PLK-G					
	CC-Link IE Field Basic compatible) ntrol panel, operation box)					
XC-G Series control panel Operation panel (XC-G10/G500)	PLK-G Series control panel*2 *3					
Digital input × 2, analog input × 2, digital output × 2, analog output × 1 (Total 7) (Rear connectors) (Note 5)*4						
12V DC, supplied from XC-G control panel	12V DC, supplied from PLK-G control panel					
125 x 155 x 40mm (WxDxH)						
30	0g					
	Ethernet (Note 2) communication (Serial communication (Co XC-G Series control panel Operation panel (XC-G10/G500) Digital input × 2, analog input × 2, digital output × 2, a 12V DC, supplied from XC-G control panel					

- Depends on programmable controller performance
- *2. Ethernet is a trademark of Fuji Xerox Co., Ltd. *3. PLK-G Series requires a system update (Ver.18 or higher).
- *4. Not compatible with PLK-G1306.

 *5. Connectors sold separately. (Supported as an option)

^{*2.} Some restrictions apply to the data conversion function. Please refer to the instruction manual before use.

Catalog PDF

JaNets JT Simple

Equipment operation management system



The productivity of your factory can always get better!

The first step to increasing productivity is to know the status of your sewing factory now.



With **Janets** you can instantly find the parts of your factory you need to improve!

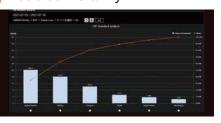


Operation rates are clear to See!



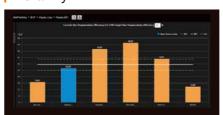
With JaNets, you can track operation metrics that you could only grasp with your senses before.

See sewing machine troubles instantly!



With JaNets, you can check which equipment has failed or caused irregular tasks, how often the failures and tasks have taken place, and for how long.

See processing times instantly!



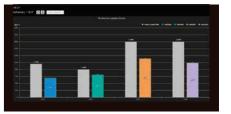
With JaNets, you can check how much time an operator spends working on a garment.

See the progress of your line in real time!



With JaNets, you can check your production progress without spending man-hours.

See your output quantities!



With JaNets, you can check the target/actual output quantity of each piece of equipment.



Increased productivity!

Other advantages **JaNets provides**

Reduced waste

Factory operators with enhanced awareness **Enhanced responsiveness** to labor shortages

Increase the productivity of your factory further! Why not get started with JUKI?

Contact JUKI to learn more about JaNets!



^{*1} Idle waiting time and irregular tasks (e.g., thread changing) that divert the operator from sewing, preparing, and handling materials.

^{*2} Operators working at different speeds. When your factory line is in good balance, your operators work at a uniform speed. When the balance is poor, a delay by one operator slows the next processes down the line

Sewing machine inspection support system









守破離

JUKI-ShuHaRi

Free registration

JUKI-ShuHaRi is applications that works with IoT (Internet of Things) devices such as smartphones and PCs to support sewing machine maintenance and solve problems on the sewing line!

Product website

https://www.juki.co.jp/industrial_e/service_e/shuhari/



For more information and to apply for the JUKI-ShuHaRi, scan here!



Smooth inspection with JUKI-ShuHaRi using a smartphone or tablet

Complete complex inspections with the Smartphone app

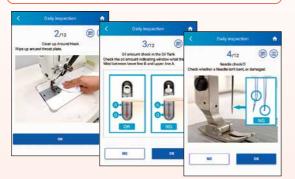
Identify the sewing machine to be worked on by capture the machine's nameplate or QR code in the "Search / Edit" menur on the smartphone app. Select "Daily Inspection" or "Periodic Inspection" from the TOP screen to start inspection.

> The captured image of the nameplate automatically identifies your machine.



When the inspection launches, carry out the steps in sequence according to the instructions in the smartphone app.

The smartphone app guides you through the inspection with a simple sequence of images.



Three types of Maintenance functions

Daily inspection can be completed in five minutes

- Simple inspections anyone can perform to keep the machine in proper running condition.
- Recommended for short periods of downtime such as before or after working hours.
- Inspection mode for easier inspections.

Periodic inspection carried out in detail

- An inspection of deteriorated parts and defects performed in advance to prevent troubles and maintain machine performance.
- Inspections optimized based on the period of use ensure easy sewing machine management.
- An inspection mode for carrying out inspections in detail

Work report

wherever and whenever you want

- Freely add photos and comments to your reporting data.
- Operations such as machine adjustments, parts replacements. and line changeovers can be recorded in daily work histories to facilitate sharing and confirmation.

We can also perform custom inspections tailored to your exact needs. With the customization service, you can receive inspections specifically designed for your requirements.













Efficient management using JUKI-ShuHaRi on a PC.

Maintenance record

Sewing-machine inspection results and work reports are managed collectively in a maintenance record that gives users a clear, big-picture view of the sewing machine conditions.

Work report

Sewing machine management function

- 1. It's now possible to track your sewing machines and equipment status.
- 2. The overview text of inspections and operations can be analyzed from various perspectives.
- 3. It's now possible to display the periodic inspections recommended by



Information distribution function

Information can be distributed and shared using the smartphone push notification.

This function can also be used as a new internal-communication channel!

Sharing of helpful







Convenient Paid Functions

Some useful functions are available for a fee.

Inspection Schedule Function

Easily create and manage inspection schedules and verify whether inspections have been completed. out notifications on the scheduled inspections

All Work List Function

JUKI-ShuHaRi provides a quick overview of all operations performed, enabling more efficient maintenance management.

A human resource development program designed for the sewing industry

JUKI e-learning



Catalog PI

Two different types of training are provided:

Customers can select the type that suits your condition.

Individual training type

Group training type

Learning individually! Individual training type



The individual training type is provided in a standard e-learning format.

The training participant takes the individual e-learning courses using Individual PC, tablets or smartphone. The management user can manage his/her progress on the web.

ackslash The Individual e-learning training is recommended for the following customers ackslash

Customers who can prepare an internet connection and device for every training participant.

Customers who cannot provide group training because of heavy workloads and restrictions on gatherings during the coronavirus pandemic.

Customers with many employees spread across multiple remote locations.

1 Selecting a course

Visit the **JUKI** e-learning website on your PC, smartphone, or tablet browser to select an

(3) Conducting a short test

At the end of each chapter, the training participant takes a test to confirm that he/she has learned the content. A PDF certificate of completion will be issued to every participant who completes all of the chapters and passes all of the tests.

2 Taking part in the e-learning courses by watching videos

Each training course is divided into several chapters. (A course takes about three hours, and a chapter takes about 10 to 30 minutes to learn.) Videos with audio commentary make it easy to learn the content.

4 Learning management function

The learning progress and learning histories of the training participants are displayed in an easy-to-understand list format. The management user can manage the learning of all of the participants.

Learning together! Group training type



The group training type is provided in a lecture format using **JUKI e-learning** materials.

The group training is conducted with a large number of participants at the same time. To carry out group training, an instructor has to be prepared within the customer's company.

\setminus The group e-learning training is recommended for the following customers \angle

Customers who cannot provide separate Internet connections and devices for all of their training participants.

Customers who want to provide all of the training in a single session to lower their costs. When a customer wants to provide training in an unsupported language, the customer's instructor will translate the e-learning materials to be used for the training.

1 Downloading and printing the materials

First, an instructor has to be prepared within the company. Before conducting the group training, the instructor visits the **JUKI e-learning** website to download and print the instructional materials.

2 Conducting the training with videos

Training participants gather together in one place. The instructor uses videos and instructional materials to conduct the training. To help the instructors, the **JUKI e-learning** website provides instructions on how to proceed through the training from the opening remarks to the completion of the tests. Background information, suggestions, and advice are also provided. The **JUKI e-learning** website also offers wide-ranging materials to support learning by the instructors themselves. The instructor training can be carried out at the same time.

3 Conducting a short test

The training participant takes a test to confirm to using pre-printed confirmation test forms that he/she has learned the content. The instructor can give feedback to the participants on the spot using the test answers and explanations provided by JUKI. A certificate of completion can be printed and distributed to the participants after the course.

Learning the essential basics in the sewing industry

Many people are working in sewing-related industries around the world. Yet surprisingly few teaching materials have been developed to provide basic knowledge on sewing machines and sewing technology. Sewing machine operators therefore tend to be self-taught. The basic knowledge and skills acquired through

 $\textbf{\textit{JUKI}} \ e\text{-}\textbf{\textit{learning}} \ \text{can be immediately applied to daily work}.$

Gaining knowledge and experience from the online learning system

The **JUKI e-learning** program has been developed based on accumulated

know-how and experience JUKI has acquired in technical training and management training over its long history. With easy-to-understand videos and narrations, training participants can seamlessly learn wide-ranging topics and skills. At the end of each chapter, the participant takes a test to confirm how well he/she understands the content





Overview of the courses Monthly fee system

All courses are available for an affordable monthly fee.

Target persons Beginner-level sewing operator / The person who want to learn the basics of sewing

Sewing Operator Training course



English / Japanese / Bengali / Chinese / Hindi / Indonesian / Spanish* / Vietnamese

* Only the screen display will be in Spanish and the audio will be in English.



Participants will learn basic knowledge and acquire practical skills, and demonstrate their abilities as employees of apparel, clothing, and factories.

Target persons Sewing machine maintenance staff / Intermediate-level sewing operator

Basic Knowledge of Sewing - Lockstitching

Basic Knowledge of Sewing - Overlock stitch

■ Basic Knowledge of Sewing - Coverstitch



English / Japanese / Chinese Hindi / Vietnamese

English / Japanese



Focuses on the explanation of the main adjustment points (adjustment methods) that affect the formation of seams. The purpose of this course is to provide participants with the knowledge and skills to deal with stitching problems such as stitch skipping that may occur in actual sewing operation.

Target persons In charge of IE / Line leader

Basic Knowledge of Sewing - Double Chainstitch

■ Managerial Training Course - Production Design



English / Japanese



Learn and understand the optimal production line design method and system. It also aims to "review factory lines and systems so that you can find improvements."





The fees vary with the type of education and course. Please visit our website for detailed information on the latest courses, supported languages, and prices.

Official website https://www.juki.co.jp/industrial_e/service_e/elearning/

To apply, please use the QR code or URL on the right.



Application for

https://www.juki.co.jp/industrial_e/ service_e/elearning/form.php

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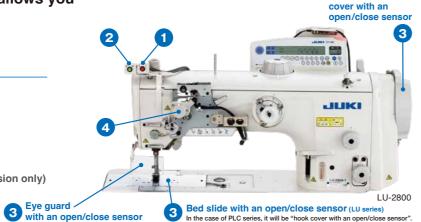
Smart Devices For LU Series & PLC Series

This is a special optional item that allows you to immediately recognize problems that occur while sewing.

Target Models

LU-2800 Series LU-2800V Series PLC-2700 Series PLC-2700V Series

LU-1500 Series (supporting the digital tension only)



In the case of PLC series, it will be "hook cover with an open/close

Skip Stitch Detector

The skip stitch is automatically detected the moment it occurs, the sewing machine is stopped, and it is notified by a buzzer and a red lamp*. Productivity increased by preventing the spread of sewing troubles and reducing waste!

* In the LU-2800V series and PLC-2700V series, the error is notified by displaying the error code on the operation panel, not by lighting the lamp.



Disposal of material

Occurrence of skip stitch is difficult to detect during sewing, and it greatly affects the subsequent process.

Additional work is required

100% inspection of the same lot due to defective products

Occurrence of skip stitch detected!



Spread of sewing troubles prevented!



2 Bobbin Thread Remaining Detector

Automatically detects before the bobbin thread runs out and notifies you with a buzzer and a green lamp*. Possible to avoid sewing troubles in advance, reducing the burden on the operator and improving efficiency!

* In the LU-2800V series and PLC-2700V series, the error is notified by displaying the error code on the operation panel, not by lighting the lamp.



Even if the bobbin thread runs out during sewing, the operator does not notice it and continues to sew only with the needle thread.

It is necessary to work while checking the remaining amount of bobbin thread

Loss of operator time

Reduced work efficiency



Sewing troubles avoided!



3 Cover Sensor Unit [Each can be used separately.]

Opening / closing of the eye guard and cover is automatically detected, and when it is open, the sewing machine is stopped from starting. Making it easier to use and improving safety by preventing the accidents due to needle breakage, entanglement, etc.

Operators are protected from needle breakage during sewing. Since the sewing machine does not work when the eye guard is open, the sewing machine will not start unexpectedly when the needle is replaced even if the power is forgotten

Eye guard with an open/close sensor | Bed slide with an open/close sensor (LU Series) Hook cover with an open/close sensor (PLC Series)

If the bed slide or hook cover is open, the sewing machine will not start. Therefore, there is no unexpected startup during bobbin replacement. It also prevents the material from getting entangled in the hook or the operator from being injured

with an open/close sensor

If the handwheel cover is open, the sewing machine will not start. So there is no unexpected start when turning the handwheel by hand. In addition, accidents such as threads or materials getting caught in the handwheel during sewing can be prevented

4. Digital Tension • Standard equipment for LU-2800V series and PLC-2700V series.

Setting of thread tension can be centrally managed by digitization. Furthermore, the thread tension is prevented from being changed by the operator's own judgment.

Numerical control of thread tension settings can improve reproducibility when changing work processes. Since a dedicated control box is required to change the settings, operators cannot change the thread tension, resulting in easier management and higher efficiency.





Part No. list of smart devices

Skip Stitch Detector, Bobbin Thread Remaining Detector, Digital Tension

	Skip Stitch Detect	or + Bobbin Thread	Remaining Detector	Digital T	ension	- Additional purchase parts	
Models	Set (1)+(2)	① Skip Stitch Detector	②Bobbin Thread Remaining Detector	Thread tension controller (assembly)	Control Box		
LU-2800 Series							
LU-2810-7, LU-2810ES-7	40175752	404.00000	40163832	440450000		*1	
LU-2810-7, LU-2810ES-7 (For JA)	40190016	40162088	40188862	440153263		'	
LU-2860-7	40175753	40400000	40163833	40450004	40450000		
LU-2860-7 (For JA)	40200662	40162089	40200665	40153924	40153920	_	
LU-2828-7, LU-2828ES-7	40175755	40162090	40163837			_	
LU-2818-7, LU-2818ES-7	40175754	40165240	40163836	40153263		*1	
LU-2810V-7	40216597	40216600	40216599				
LU-2828V-7	40198455	40198453	40198457		_	*2	
LU-2860V-7	40205490	40005404	40205493	_			
LU-2860V-7 (For JA)	40205531	40205491	40205533				
PLC-2700 Series	<u> </u>						
PLC-2710-7	40175756	40162091	40154826	40153263	40153920	_	
PLC-2760-7	40175757	40162092	40153314	40153924	40153920	*3	
PLC-2710V-7	40221414	40221416	40221415			*2	
PLC-2760V-7	40221417	40221419	40221418	-	_	*2 *3	
PLC-2700N(V)M-7	<u>'</u>	,		,			
PLC-2710NM-7	40286474	40286475	40288286	_	_	_	
PLC-2760NM-7	40286471	40286472	40288285	_	_	*4	
PLC-2710NVM-7	40286279	40286281	40286282	_	_	*2	
PLC-2760NVM-7	40286275	40286277	40286278	_	_	*2 *4	
LU-1500 / PLC-1700 Series							
LU-1510-7/PLC-1710-7	_			0154434	40153920		
LU-1560-7/PLC-1760-7		_	_	40158964	40100920	_	

*1. For LU-2810ES and 2818ES, also purchase the moving knife (part No.: 40195311).

*2. Please purchase the filter regulator (Part No. 40198456) when you separately purchase the unit of skipped stitch detection or remaining bobbin thread detection.

*3. For the PLC-2760 and 2760V, purchase two feed lever base side covers (set) of the needle width being used. Needle width 6mm: 40155443 / 8mm: 40155445 / 10mm: 0155447 / 12mm: 40153488 *4. For PLC-2760NM and 2760NVM, please purchase two sets of feed lever base side cover (asm). Needle width 6mm: 40286295 / 8mm: 40286298 / 10mm: 40286300 / 12mm: 40286302

Cover Sensor Unit

			Cover Se	nsor Unit		
Models	Set (3)+(4)+(5)+(6)	③ Eye guard	④ Handwheel cover	⑤ LU: Bed slide PLC: Hook cover	⑥ Cable*	
LU-2800 Series: Standard model						
LU-2810-7	40152605			40152603	40151337	
LU-2810-7 (equipped with skip stitch and bobbin thread remaining detectors)	40171589			40171587	40131337	
LU-2860-7	40175682	40193646	40152604	40175683	40165313	
LU-2860-7 (equipped with skip stitch and bobbin thread remaining detectors)	40177690	40193040	40132004	40177671	40165313	
LU-2828-7	40171588			40171583	40151337	
LU-2818-7	40171589			40171587		
LU-2800 Series: High-speed model / digital model						
LU-2810ES-7	40199283			40152603		
LU-2810ES-7 (equipped with skip stitch and bobbin thread remaining detectors)	40199284			40171587	40454005	
LU-2828ES-7	40199285			40171583	40151337	
LU-2818ES-7 (equipped with skip stitch and bobbin thread remaining detectors)	40199284			40171587		
LU-2828V-7	40198452			40171583		
LU-2860V-7	40198458	40193646	40193648	40175683 40198459	l	
LU-2860V-7 (equipped with skip stitch and bobbin thread remaining detectors)	40198460			40177671 40198461	40193645	
LU-2810V-7	40216620			40152603		
LU-2810V-7 (equipped with skip stitch and bobbin thread remaining detectors)	40216661			40171587		
PLC-2700 Series: Standard model						
PLC-2710-7, PLC-2710NM-7*6	40165317			40165318	40151337	
PLC-2760-7, PLC-2760NM-7*6	40177729	40193646	40152604	40165318 40165319	40165313	
PLC-2700 Series: Digital model	<u> </u>		·			
PLC-2710V-7, PLC-2710NVM-7*6	40221394			40165318		
PLC-2760V-7, PLC-2760NVM-7*6	40221395	40193646	40193648	40165318 40165319	40199929	

^{*5.} If not purchased as a set, purchase one cable for each sewing machine. (No matter which one of ③, ④, and ⑤ is used, one ⑥ is required.)

[•] The handwheel cover for ES is the same blue one as for V.

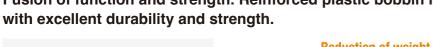
[•] A cable (part No.: 40175951) is required when using the sensor cover (set, single item, or combination of single items) in combination with the skip stitch / bobbin thread remaining detector. Not required for V series.

[•] For PLC-2710NM and 2710NVM, please purchase the side cover for the side to be installed separately. Front: 40286461, Rear: 40288287

[•] For PLC-2760NM and 2760NVM, please purchase one side cover according to the needle width. 6mm: 40286463 / 8mm: 40286465 / 10mm: 40286467 / 12mm: 40286469

What is DLC?

Option Parts







Reduction of weight

Since the plastic bobbin is lighter than aluminum and iron, the thread tension is stable at a high level. Furthermore, it realizes beautiful stitching.

High durability

Since there is almost no rubbing inside the bobbin case, it is as durable as aluminum and iron.

Reduction of running idle

Thread bending that occurs after intermittent stitching or thread trimming is reduced. Needle thread tension at the start of sewing is reduced, and stitching is more stable. It also reduces the effect of the remaining bobbin thread amount on the thread tension.

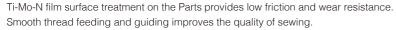
JUKI's new reinforced plastic bobbin	
will help you to solve the problem.	

- It takes time to adjust the thread tension.
- Irregular stitches on light-weight materials.
- Stitching is unstable at high and low speeds.
- Loose stitches at the start of sewing.

Set part No. (10pcs.) Blue	Set part No. (10pcs.) Red	Set part No. (10pcs.) Yellow			
40244783	40245124	40245136			
40244784	40245125	40245137			
40244785	40245126	40245138			
40244786	40245127	40245139			
40244787	40245128	40245140			
40244788	40245129	40245141			
	(10pcs.) Blue 40244783 40244784 40244785 40244786 40244787	(10pcs.) Blue (10pcs.) Red 40244783 40245124 40244784 40245125 40244785 40245126 40244786 40245127 40244787 40245128			

Ti-Mo-N Coating Parts

Better Frictional Resistance, Smoother Thread Passing, **Upgrade Parts from JUKI**



Long Life

Ti-Mo-N film is a kind of titanium alloy coating film, which achieves long life like TiN or TIAIN. The surface is covered with a film with high hardness to prevent wear. The hardness (HV) of the Ti-Mo-N film is approximately 3.3 times that of SCM415 (coating) and approximately 1.4 times that of DLC.

Wear Test of Thread Path

A test was conducted with a thread winding speed of 2 m/s, sliding distance of 200 m, and the spun thread impregnated with an abrasive to promote wear. The Ti-Mo-N film showed no wear, while the SCM415 (carburized) showed a wear depth of 8 µm.



No. of Ti-MO-N coating part	No. of standard part	Part name	Applicable model
40246367	B242621000B	NEEDLE HOLE GUIDE D=2.0	AMS-E/EN Series
40246368	B242621000D	NEEDLE HOLE GUIDE D=2.4	AMS-E/EN Series
40246369	B242621000F	NEEDLE HOLE GUIDE D=3.0	AMS-E/EN Series

1. Can be used stably for a long time!

DLC coating is applied to the conventional hook, and the surface hardness of the hook has been improved.

DLC is an abbreviation for Diamond-Like Carbon.

which is a hard coating that has properties similar to diamond

of the material with a thin film of DLC, new properties such as

hardness, lubricity, and wear resistance can be given.

and is mainly composed of hydrocarbon. By coating the surface

and reduces oil stains on sewing materials.

- Wear resistance is improved, and wear and seizure of the shuttle and inner hook can be reduced, extending the service life and enabling long-term use.
- Wear is reduced compared to conventional hooks. So stable seam quality can be obtained.

2. Reduction of oil stains!

- Since the DLC coating has high self-lubricating properties, the hook lubrication could be minimized.
- This hook can greatly reduce seizure even when used with a very small amount of oil.
- The amount of hook oil can be minimized, reducing oil stains on sewing materials.



DLC hook

The AMS Series / LK Series shuttle hooks have DLC coating on the shuttle.



The LU-1500N Series / LU-2800 Series rotary hooks have DLC coating on the inner and

Features

Increased surface hardness!

High hardness coating improves wear resistance! Not only the service life of the hook is extended but also the seam quality is stabilized.

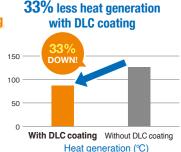
than the standard hook DLC hook

Hardness (HV)

86% higher hardness

High self-lubricating properties!

Self-lubricating properties allow use with a very small amount of hook oil! As a result, oil stains on sewing materials are reduced



List of part numbers

Shuttle hook

DLC hook

Standard hook





	,		()
DLC hook part No.	Standard hook part No.	Applicable models	Seam specification
		AMS-210E / AMS-221E / AMS-210EN	Н
	40061991	AMS-224E / AMS-221EN	H/G
40162193		AMS-224EN	H/G/T
	B1818210D0B	AMS-210D / AMS-215D / AMS-221D	H*
	D 10 102 10D0D	LK-1910 / LK-1920 / LK-1930	HS* / HA*
		LK-1900S / LK-1903S LK-1901A / LK-1902A / LK-1903A LK-1901AN / 1902AN / LK-1903AN LK-1901B / LK-1902B / LK-1901BN / LK-1902BN	S
40470057	40440040	LK-1900A / LK-1900AN	S/F/M
40179357	40110846	LK-1903B / LK-1903BN	S/B
		LK-1900B / LK-1900BN	S/F/M/B
		AB-1351 / AB-1360	-
		AMS-210ENSS1306SZ7450	Name embroidery type
40179615	40112995	LK-1900S LK-1900A / LK-1902A / LK-1900AN / LK-1902AN LK-1900B / LK-1902B / LK-1900BN / LK-1902BN	Н

* The shuttle driver must be replaced at the same time (40014963)

Rotary hook DLC hook Standard hook

part No.	Applicable n
	LU-1509N
21387055	LU-1510N-7 / LU-1511N-7
	LU-1560N-7 / LU-1561N-7
40079022	LU-1510NA-7
401210EC	LU-2810-7 / LU-2860-7
40131936	LU-2810ESAL-7 / LU-2860VAI
404.4704.0	LU-2828A-6 / LU-2828A-7
40147912	LU-2828ESA-7 / LU-2828VA-7
40195292	LU-2828VA-7NBBSF
	part No. 21387055 40079022 40131956 40147912

DLC hook part No.	Standard hook part No.	Applicable models	Seam specification		
		LU-1509N	S		
40166745	21387055	LU-1510N-7 / LU-1511N-7	_		
40100743		LU-1560N-7 / LU-1561N-7			
	40079022	LU-1510NA-7	_		
40400540	40131956	LU-2810-7 / LU-2860-7	_		
40166518	40131936	LU-2810ESAL-7 / LU-2860VAL-7	_		
40407000	404.4704.0	LU-2828A-6 / LU-2828A-7	_		
40187686	40147912	LU-2828ESA-7 / LU-2828VA-7	1 -		
40188340	40195292	LU-2828VA-7NBBSF	Option class Equipped with a bobbin thread remaining amount detector assy		

Option Parts

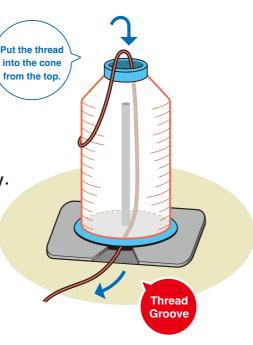
Recommended models

LU Series & AMS Series Thread Lock Preventer Base Plate

Reduced "twisting and untwisting thread" due to thread flapping.

The base plate with a thread lock preventer allows you to work without loss of efficiency.

For the sewing products using thick threads such as





Thread Lock Preventer Base Plate Model name 40205645

- Made of vinyl chloride
- ●H140mm×W140mm, D2mm
- Recommended Size of thread: 69, 138, 192, 207, 277, 300











Such troubles

are greatly

By adding a thread groove to the base plate, the thread can be fed out from under the cone. "Thread twist" and "thread return" caused by thread flapping are reduced, allowing you to continue working without stopping. Furthermore, since there is no spool rest arm, the area around the thread stand looks neat and beautiful.







Put the thread inside the cone from the top, pass it through to the bottom, and use it by pulling it out from the thread groove of the base plate. The thread can be stabilized by passing through



If you use a cone lower than the spool rest rod, the thread will get entangled in the rod. Make sure to use a cone higher than the spool rest rod.

Option for PLK-J Series

This is an exclusive option that takes sewing quality to the next level.

Option device

Product name	Model	PLK-J2516-YU	PLK-J2516R-YU	PLK-J3020R-SE
Stitch error detection device	MP-J25-AD	0	0	0
Perfect stitch units	MP-J25-PS	0	_	_

Stitch error detection device: MP-J25-AD

Target Models

PLK-J2516-YU PLK-J2516R-YU PLK-J3020R-SE

In addition to visual detection by the operator, stitch errors (skipped stitches, thread breaks) are detected by the machine to help discover defective items. The machine can also detect at which stitch the stitch error occurred. This information can be used to analyze the sections of fabric or pattern where stitch skipping tends to occur.

• This function does not warranty all abnormal stitch detections. Depending on the sewing conditions, there may be undetected or false detection.





Perfect stitch unit: MP-J25-PS

Target Models

PLK-J2516R-YU

MP-J25-PS 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.



Optional products for PS-800 Series

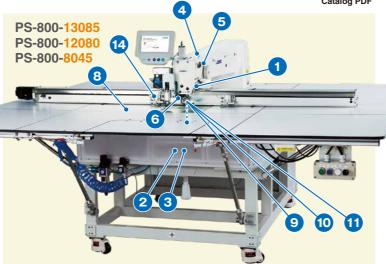
Proposal of optional items exclusively for PS-800 to further improve productivity and sewing quality



Target Models

PS-800-13085 PS-800-3830 PS-800-12080 PS-800-2850

PS-800-8045







Compatibility table for each model

		Part		130	085			120	080			80	45			3830		2850
Part Nam	ie	Number	S Spec	H Spec	Rotary knife	Laser	S Spec	H Spec	Rotary knife	Laser	S Spec	H Spec	Rotary knife	Laser	S Spec	H Spec	Rotary knife	S Spec
OActive tension device	1	40228700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_
2BK-8 Bobbin changer device	e	40228699	0	0	0	0	0	0	0	0	0	0	0	0	_	_	_	_
Bobbin Threa Remaining De		40228698	0	0	0	0	0	0	0	0	0	0	0	0	_	_	_	_
4Bird's nest prevention de	vice	40228695	0	0	0	0	0	0	0	0	0	0	0	0	_	_	_	_
5Third thread tension unit		40228696	0	*	0	0	0	*	0	0	0	*	0	0	0	*	0	_
@Pen stick asm	١.	40228686	0	0	0	0	0	0	0	0	0	0	0	0	_	_	_	_
Thick materia	l kit	40228701	0	*	0	0	0	*	0	0	0	*	0	0	0	*	0	_
3 Template lift of	device	40239772	*	*	*	*	*	*	*	*	0	0	0	0	_	_	_	_
9 Plastic	Blue	40244784																
bobbin for	Red	40245125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2-fold hook	Yellow	40245137																
OPlastic	Blue	40244783																
bobbin for standard	Red	40245124	_	_	_	_	_	_	_	_	-	_	_	-	_	-	-	0
hook	Yellow	40245136																
Needle guard		40273423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_
Ocunter knife replate for heavy		40269240	_	0	_	_	_	0	_	_	_	0	_	-	_	0	-	_
PFabric Vacuum	For 3830	40286900	_	_	_	_	_	_	_	_	_	_	_	_	0	_	0	_
	or 2850	40275338	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	0
®Chucking dev	ice	40286901	_	_	_	_	_	_	_	_	_	_	_	_	0	0	0	_
(Barcode read	er	40235194	0	0	0	0	0	0	0	0	0	0	0	0	_	_	_	_

Options marked with * are equipped as standard.

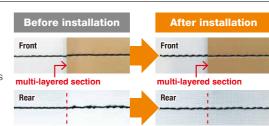
Partial introduction

Active tension device

Part Number: 40228700

The active tension device can change the needle thread tension electrically. For the needle thread tension setting linked to the thickness of the cloth and the thread tension setting that changes according to the sewing direction, it is possible to input the tension value

for each stitch from the panel.





Productivity improvement Safety improvement

Quality improvement

BK-8 Bobbin changer device

Part Number: 40228699

The BK-8 bobbin changer device automatically changes pre-set bobbin cases, saving operators the trouble of changing bobbins and increasing the production efficiency.

Optional parts for BK-8 Cassette: 40207417





Thick material kit

Part Number: 40228701

A thick material kit is a set of gauge parts for sewing thick materials. It is a set of intermediate presser D = 3.5, thread

tension controller (assembly) (thick), needle hole guide D = 3.0, counter knife (thick), and hook (thick). Normally, this set is required when changing from an S spec sewing machine to an H spec one.





8 Template lift device

Productivity improvement Safety improvement

Part Number: 40239772

The template lift device is a device that lifts and supports the template from under the table so that the template can be easily inserted into the clamp.

• For PS-800-13085 and PS-800-12080, it is standard equipment.



provement Productivity improvement

9 Plastic bobbin

40244784 (Blue), 40245125 (Red), 40245137 (Yellow) For 2-fold hook (For PS-800-13085, PS-800-12080, PS-800-8045, PS-800-3830)

40244783 (Blue), 40245124 (Red), 40245136 (Yellow) For standard hook (For PS-800-2850)

Plastic bobbins are lighter than aluminum or steel, which reduces thread bending after intermittent stitching and thread trimming. In addition, the needle thread tension at the beginning of sewing is

also reduced, making stitching more stable. Furthermore, there is almost no rubbing inside the bobbin case, so it is as durable as aluminum or iron. A total of 3 colors are available, which is useful when managing the yarn count.



Quality improvement Productivity improvement

10 Needle guard hook

Part Number: 40273423

The needle guard hook can prevent stitch skipping by maintaining a constant gap between the needle and the hook blade point with the needle guard. In addition, since the hook blade point is prevented from contacting the needle, it is

expected to have the effect of extending the life of the hook blade point.

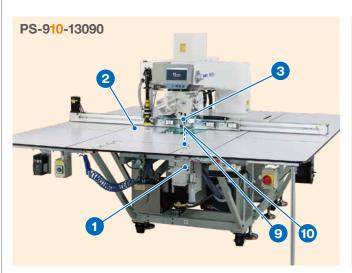


Optional products for PS-910 Series

Proposal of optional items exclusively for 910 to further improve productivity and sewing quality



Target Models PS-910-13090 PS-910-6055





Compatibility table

Part Name	Part Number	PS-910-13090		PS-910-6055	
		S Spec	Laser	S Spec	A Spec
bin evice	40270689	0	0	0	0
ader (For PS-910)	40289310	0	0	0	Standard
ead clamp unit	40289313	0	0	0	Standard
Except for China	40270708	_	_	_	_
China	40270707	_	_	_	_
nming drive nit	40291740	_	_	0	0
resser unit	40289312	Standard	Standard	Standard	0
Blue	40244784	0	0	_	_
Red	40245125				
Yellow	40245137				
rd hook	40273423	0	0	_	_
	bin evice ader (For PS-910) ead clamp unit Except for China China ming drive nit resser unit Blue Red Yellow	Number bin evice 40270689 ader (For PS-910) 40289310 ad clamp unit 40289313 Except for China 40270708 China 40270707 nming drive nit 40289312 Blue 40244784 Red 40245125 Yellow 40245137	Number S Spec	Number S Spec	Number S Spec Laser S Spec



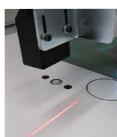
Safety improvemen

2 Barcode reader

Part Number: 40289310 (PS-910-13090 / 6055)

The barcode reader can read the barcode pasted on the specified position of the template and call the sewing data of the template. Therefore, it is possible to eliminate

human error such as erroneous recall of sewing data. Retrofitting is required if the country is not RFID certified.



Partial introduction

Productivity improvement Safety improve

fety improvement

1 BK-10 Bobbin changer device

Part Number: 40270689

BK-10 Bobbin changer device automatically changes pre-set bobbin cases, saving operators the trouble of changing bobbins and increasing the production efficiency. Up to 7 spare bobbins can be set in the cassette.

One cassette for BK-10 is included. If you need more, arrange the cassette: 40207417.
The bobbin case is not included. Arrange the standard bobbin case: 40225489.









Quality improvement

Productivity improvement

3 Needle thread clamp unit

Part Number: 440289313

The needle thread clamp unit prevents the needle thread and bobbin thread from becoming entangled at the start of the next sewing by grasping the tip of the needle thread after thread trimming, resulting in beautiful seams from the beginning.





Best stitches in 360°

for Car Seats, Bags and Air Bags

JUKI is launching the "AMS-251"

its high-end 1-needle CNC sewing machine

provided with a machine-head-turning mechanism.

The new model guarantees high-quality

seams uniformly in every sewing direction.

Made in Japan



1-needle CNC sewing machine (head turning type) AMS-251