

JUKI

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Non-apparel



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

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- * Read the instruction manual before putting the machine into service to ensure safety.
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JUKI Smart Solutions
Innovation with our Best Global Support

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.

*1 DDL-9000C, LZ-2290C

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

*3 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.



Line up



Semi-dry Direct-drive, Unison-feed,
Lockstitch Sewing System with automatic thread trimmer
LU-2800V-7



Semi-dry Direct-drive, Post-bed, Unison-feed,
Lockstitch 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-1900BN



Computer-controlled, High-speed,
Buttonholing Sewing System
LBH-1790AN

Pictographs for Function

| Needle | Feed | Stitch shape |
|----------------------------------|--|------------------------------------|
| 2-needle | Bottom-feed | Zigzag stitching |
| Organized split needle bar | Needle-feed | Lockstitch buttonholing |
| Hook | Differential-feed | Shorter-thread remaining functions |
| | Horizontal-axis hook (large) | shoelace loop attaching |
| | Horizontal-axis hook (3 fold-capacity) | Function |
| | Vertical-axis hook (large) | |
| Vertical-axis hook (extra large) | Top and bottom-feed | Automatic thread trimmer |
| X-Y drive | Unison-feed | Cloth cutting knife |
| R-θ drive | Alternating foot stroke adjusting dial | |

DI Dry-head, Intelligent Direct-drive Sewing Machine

DIGITALLY Smart Solution
Digitally Smart Solution

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1-needle, Lockstitch Machine

DDL-8700L

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

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



DDL-8700L

1-needle, Lockstitch Machine with Double-capacity Hook

DDL-5600N-7
DDL-5600N

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

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



DDL-5600N-7



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

DU-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 | DPx17 (#21) #14~#23 | |
| Thread | #40~#8, B33~B92, Nm=90/3~30/3 | |

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



DU-1181N

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

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

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

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



DU-141H-7

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

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

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



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

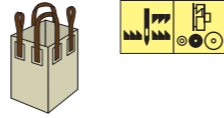


DNU-1541-7

Flat-bed Sewing Machine

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

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



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



DNU-1541/X55245

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

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

DNU-1541/X55247 (for thick thread) 



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



DNU-1541/X55247

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

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

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



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







LU-1508N

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

Flat-bed Sewing Machine

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

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



This one-needle machine with a thread trimmer utilizes a basic performance which matches best to the sewing of medium to heavy materials. The machine's rectangular feeding motion promises the consistent feeding of materials of all thicknesses without stitch gathering.



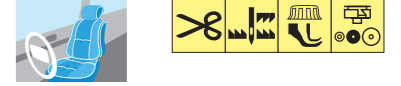
LU-1510N-7

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

*5-way switch is an option.

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

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



The machine demonstrates sewing capabilities best suited for sewing car seats of light- to heavy-weight materials without using any additional devices.
 The machine prevents fabric yarn breakage when using a thin needle. The machine is able to perform low-tension sewing where less load is applied to the material.



LU-1510NA-7

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

*5-way switch is an option.

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

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



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



LU-1510NA-7/X55500

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

Flat-bed Sewing Machine

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

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

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

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



LU-1520NCS-7

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

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

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

LU-1565N (with organized split needle bar)

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

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



*5-way switch is an option.

LU-1560N-7

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

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

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

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

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.



LU-2828V-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.

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

Flat-bed Sewing Machine

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

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

LU-2810 (2.0 fold-capacity hook)

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

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



LU-2810-7

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

LU-2860-7 (2.0 fold-capacity hook, 2-pitch dial)

LU-2860 (2.0 fold-capacity hook)

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

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



LU-2860

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

LU-2818AL-7 (1-needle)

LU-2868AL-7 (2-needle)

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

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



LU-2868AL-7

Flat-bed Sewing Machine

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



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

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



LU-2828A-7

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

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



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

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

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

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

* The maximum sewing speed varies depending on sewing conditions.



LU-2810ESAL-7

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

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



LU-2810A-7/X73178

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



LU-2810A-7/X73178

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

Flat-bed Sewing Machine

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



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

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

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

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

(LU-2828A-6)

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



LU-2828A-6

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

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



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

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

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



LU-2260N-7

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

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

LZH-1290-7

LZH-1290

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



LZH-1290-7

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

Cylinder-bed Sewing Machine

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

DSU-145-7 (automatically lubricated for hook) 

DSU-145U (automatically lubricated for hook)

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

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



DSU-145-7

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

DSC-244U

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

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

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

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

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



DSC-245-7

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

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

DSC-245U/X55200 (standard hook)

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

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


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



DSC-245/X55200

Cylinder-bed Sewing Machine

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

LS-2342-7 

LS-2342

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

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


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



LS-2342

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

LS-1342-7 (gauge for small articles) 

LS-1342 (gauge for small articles) 

LS-1341 

LS-1340

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

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



LS-1342-7

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

LS-1341/X55287

(with dial for adjustment of alternating vertical movement)

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


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



LS-1341/X55287

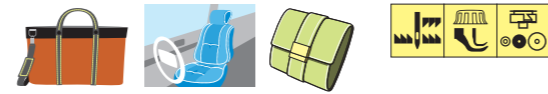
Cylinder-bed Sewing Machine

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

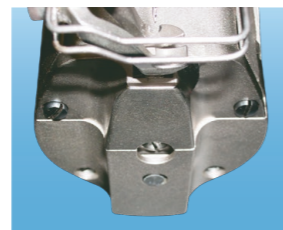
LS-1342-7-0BB/X55275 (thick-thread type) 
LS-1342/X55274 (thick-thread type)
LS-1342/X55280 (small-cylinder type)

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

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



LS-1342/X55280



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

Post-bed Sewing Machine

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

PLC-2710V-7 (1-needle) 
PLC-2760V-7 (2-needle) 

This new model "PLC-2700V-7" 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.

*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.






PLC-2760V-7

| Model name | PLC-2710V-7 | PLC-2760V-7 |
|-------------------------------|---|-------------|
| Max. sewing speed | 2,500sti/min | |
| Max. stitch length | 9mm at the time of shipment (max. 12mm) | |
| Presser foot | 20mm | |
| Alternating vertical movement | 0.5~9.0mm | |
| Needle | 134x35(Nm100~180, Standard Nm140) | |
| Thread | #46~266, 60/3~10/3 (#30~5) | |

Post-bed Sewing Machine

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

PLC-2710-7   
PLC-2710

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



PLC-2710-7

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

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



It is 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-2760-7

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

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

PLC-1710-7  
PLC-1710

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



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



PLC-1710-7

Post-bed Sewing Machine

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

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


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

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



PLC-1760-7

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

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



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

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



PLC-1690

Post-bed, Bottom-feed, Lockstitch Machine

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

Post-bed, Needle-feed, Lockstitch Machine

PLN-985U (1-needle) 

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



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



PLN-985U

Long Arm Sewing Machine

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

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



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

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



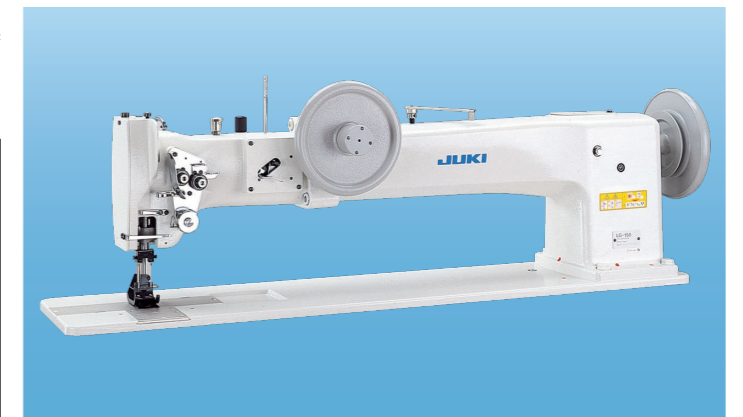
LU-2266-7

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

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

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

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



LG-158U

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

TSC-461U

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

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




TSC-461U

Flat-bed Sewing Machine for Extra Heavy-weight Materials

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

TNU-243U (unison-feed) 

TU-273U (top and bottom-feed) 

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

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



TNU-243U

Cylinder-bed Sewing Machine for Extra Heavy-weight Materials

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

TSH-411U (bottom-feed) 

TSN-421U (needle-feed) 

TSC-441U (unison-feed) 

TSU-471U (top and bottom-feed) 

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

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



TSC-441U

Bartacking Machine

Computer-controlled, High-speed Bartacking Sewing System

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


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

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

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.



LK-1900BN-HS

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

Shape-tacking Machine

Computer-controlled, High-speed Shape-tacking Machine

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

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

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

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



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

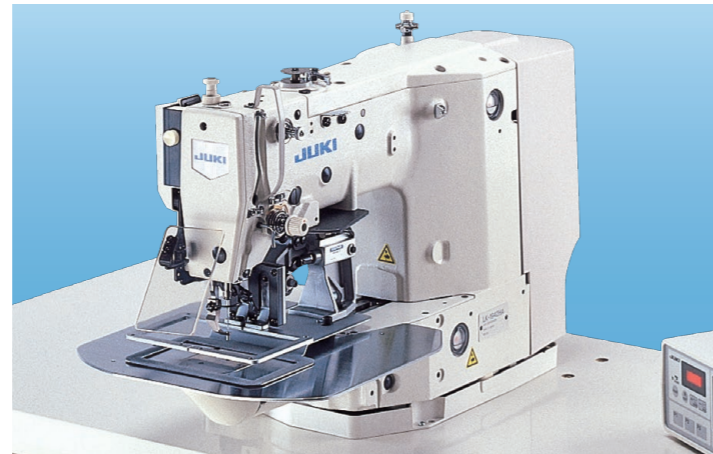
Handy Programming Device

PGM-7

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



PGM-7



LK-1942HA

| Model name | LK-1942HA | LK-1942GA | LK-1941ZA | LK-1942ZA/5050 |
|----------------------------------|---------------------|---------------------|---------------------|----------------|
| Sewing area | 60mm (L)×100mm (W) | | | |
| Max. sewing speed | 2,200sti/min | | | |
| Stitch length | 0.1~10.0mm | | | |
| Number of data that can be input | Max. 64 patterns | | | |
| Needle | DP×17 (#18) #18~#20 | DP×17 (#23) #21~#23 | DP×17 (#25) #24~#26 | |

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



LK-1920

Computer-controlled Cycle Machine

1-needle CNC sewing machine (head turning type)

AMS-251 (X: 1000mm × Y: 600mm)



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

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

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



AMS-251

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

(Automatic bobbin-thread winding and feeding device)



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

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

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

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



AMS-224EN-4530R/AW-3

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

AMS-224EN-4530R (X: 450mm × Y: 300mm)



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

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



AMS-224EN-4530R

Computer-controlled Cycle Machine with Input Function

AMS-221F-2516 (X: 250mm x Y: 160mm)
AMS-221F-3020 (X: 300mm x 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.

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.



AMS-221F-2516

| 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 data in the memory | Main-body memory : Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | | |
| | External media : Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | | |
| Needle | DPx5 (#14) | DPx17 (#18) | DPx17 (#23) |

*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.

Computer-controlled Cycle Machine with Input Function

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



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

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

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

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

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

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

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

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

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

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

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

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



AMS-210EN-1510



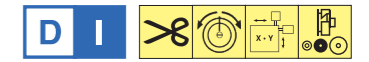
AMS-221EN-2516

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

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

Computer-controlled Cycle Machine with Input Function

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



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



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 data in the memory | Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | |
| | External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | |
| Needle | DPx17 (#18) | DPx17 (#23) |

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

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



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



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 in the memory | Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | |
| | External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern) | |
| Needle | DPx17 (#18) | |

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

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

The sewing area is broadened to "600 mm (width) x 600 mm (length)". This sewing machine is best-suited to the sewing of large products such as air bags.



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 | DPx17 (#24) Bpoint (135x17 FG Nm180) |

Computer-controlled Cycle Machine

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



AMS-210EN-HL1306/7300

(X: 130mm x Y: 60mm)

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



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 | DPx17 #25 (max. #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

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

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



AMS-221EN-TS3020

(X: 300mm x Y: 200mm)

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

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



AMS-221EN-TS3020

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

Automatic Machine

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



AB-1360/CR-10A

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



AB-1360/CR-10A

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

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.



AB-1360

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

Overlock / Safety Stitch Machine for Extra Heavy-weight Materials

MO-6900G Series

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

| | |
|--------------------|-------------------|
| Model name | MO-6905G-OM6-7E0 |
| Application | For car mats |
| Stitch type | 1-needle overlock |
| Max. sewing speed | 6,000sti/min |
| Overedging width | 10mm |
| Max. stitch length | 7mm |
| Needle | DCx1 (#24) |



MO-6905G

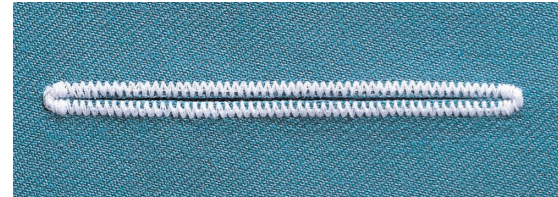
Computer-controlled, High-speed, Lockstitch Buttonholing Sewing System

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.

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



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

| Model name | LBH-1790AN | LBH-1795AN |
|-----------------------------|-----------------------|------------|
| Max. sewing speed | 4,200sti/min | |
| Bartacking width | Max. 10mm | |
| Buttonhole length | Max. 41mm | Max. 120mm |
| Number of standard patterns | 31 patterns | |
| Needle | DPx5 (#11J) #11J~#14J | |

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

Control Box / Servomotor

SC-920/M51N Series

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

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



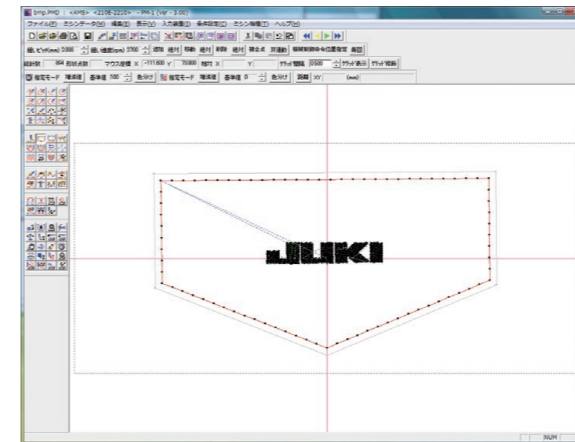
SC-922/M51N

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

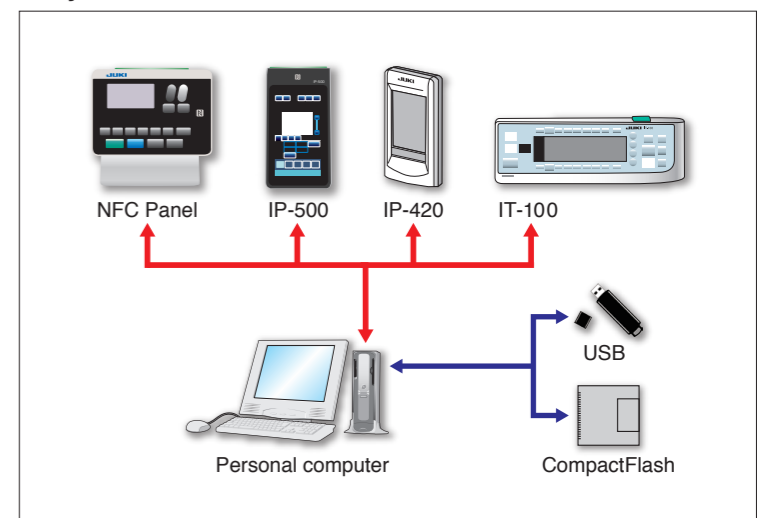
Programming Software for Computer-controlled Sewing Machines

PM-1

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



System Formation



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

