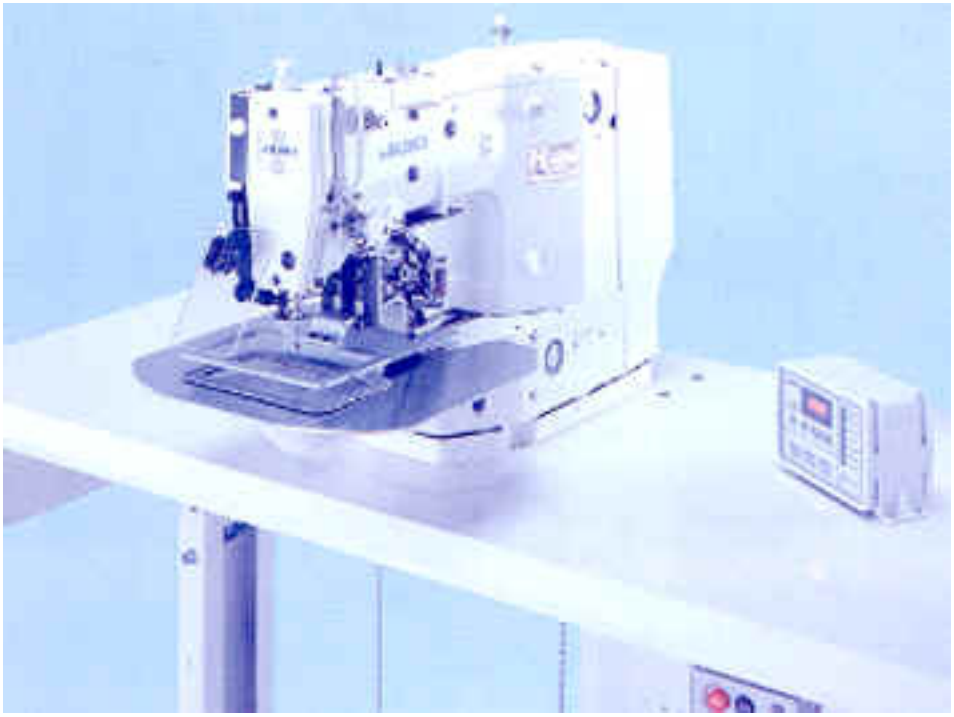
JUKI®

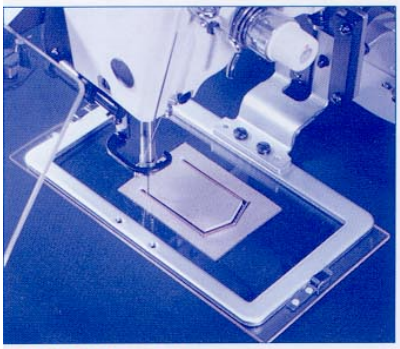
Computer-controlled, High-speed Shape-tacking Machine
[Sewing area: 60 mm (L) x 100 mm (W)]

LK-1910
LK-1920 (With an intermediate presser)
LK-1930 (With an intermediate presser and input function)

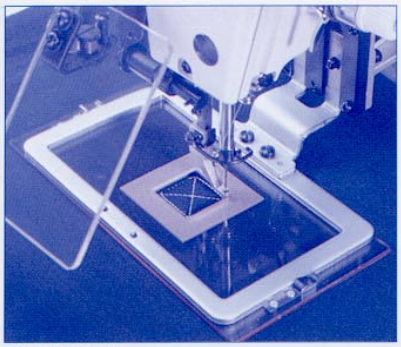
Every product in the LK lineup is provided with high-speed sewing capability and advanced features



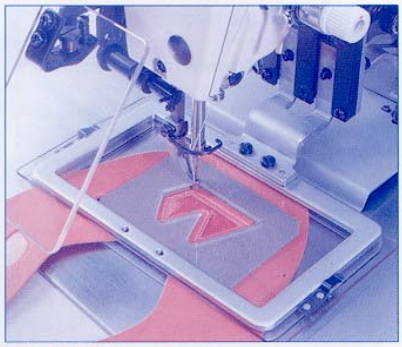
The machine runs at a sewing speed of 2,500 rpm —— Faster than any other shape-tacking machine anywhere in the world. In addition, the machine is fully equipped with state-of-the-art features such as a higher presser foot lift, a double-capacity shuttle hook, and a direct-control machine head that ensures quick response and an accurate stop position. The top model in the LK series, the LK-1930 is JUKI's first shape-tacking machine to incorporate a main unit input function equivalent to that equipped in our automatic sewing machines.
These rich features support the machine's high-speed sewing performance and increased productivity. With its large sewing area that matches a wider range of use, its hand pulley, and its highly operable and easy-to-understand operation panel, the machine delivers to the user dramatically improved operability.
The LK-1910 Series shape tacking lineup is on the cutting edge —— a pioneer in a new era of shape tacking.



LK-1910S (Standard)



LK-1920S (Standard)



LK-1920H (For heavy-weight materials)

Higher productivity

The machine achieves a maximum-grade sewing speed of 2,500 rpm.

The machine can shape tack at a maximum sewing speed of 2,500 rpm, dramatically reducing the cycle time.

Fewer bobbin thread changes.

Equipped as standard with a double-capacity shuttle hook that reduces the frequency of bobbin thread changes, the machine spares you troublesome bobbin thread works. This is a particularly great help when sewing with lower-count threads.

Excellent sewing capabilities

The machine can use a wider range of thread counts than conventional machines.

With this feature, the LK Series models provide upgraded sewing capabilities such as improved responsiveness to heavy-weight materials. Select either the S type (standard type) or H type (for heavy-weight materials) to suit the use of your machine.

Improved responsiveness and operability

Sewing area that matches a wider range of applications.

The machine has a wide sewing area: 60 mm (length) by 100 mm (width). With this large sewing area, the machine easily adapts to the sewing of curtain pleats, the finishing of waistband ends for jeans, label attachment, and many other sewing works.

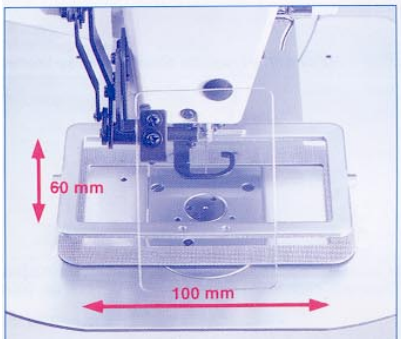
Fully equipped easy-to-use operation panel [LK-1910, -1920]

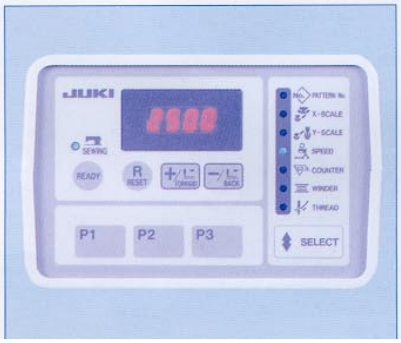
With its automatic correction feature, the machine can enlarge/reduce patterns without deforming them.

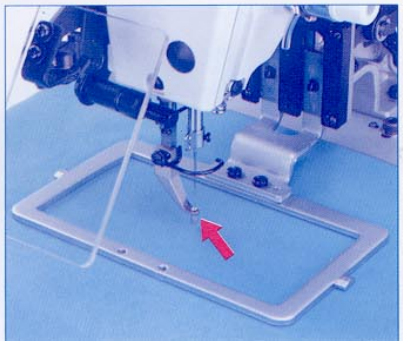
Settings for machine functions such as the sewing speed and bobbin thread count can be easily adjusted via the operation panel, and cycle sewing programs for the production of combined patterns can be entered.

Intermediate presser that securely clamps the material [LK-1920, -1930]

The machine is provided as standard with an intermediate presser to prevent the material from flopping, thereby promising beautiful seams.
Since height and stroke of the intermediate presser can be adjusted, quick responsiveness to changes in material thickness or the number of layers of materials is ensured.



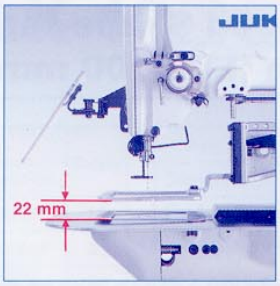




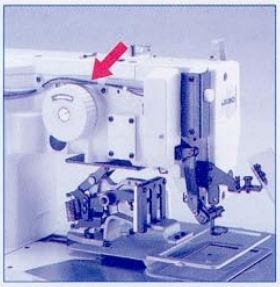
Excellent operability

Higher lift of the presser foot

With an increased maximum lift of the feeding frame (22 mm for the magnet-driven feeding frame and 25 mm for the pneumatic-driven feeding frame), the machine ensures easy placement of heavy-weight materials.



The machine head is designed for improved operability.



- The hand pulley is located at the machine arm unit to allow the operator to visually check the needle entry and needle-to-hook timing with ease.
- The machine is provided with a needlebar reverse rotating function. This permits the machine to stop with the needle rested at the highest dead point to allow a heavy-weight material to be placed on the machine easily.

The feeding frame type can be selected to match the use of the machine in your work.

Two different feeding frame types are prepared; the monolithic type (magnet-driven) and the separately driven type (pneumatic-driven). Select the type which best suits your work and the machine application.
With the monolithic type you can lift/lower the feeding frame using a manual pedal* by controlling the pedal pressure.

* The manual pedal is optionally available.

LK-1920SA
(Pneumatic sepalately driven feeding frame)

Upgraded responsiveness, low vibration, and low noise create a comfortable workplace.

With its direct-drive machine head (with no belt) directly joined to a compact AC servomotor, the machine provides improved responsiveness and upgraded stop accuracy. Vibration and noise are reduced even during high-speed operation, thereby achieving a comfortable working environment.

LK-1930 (Provided with an intermediate presser and input function)

The LK-1930 is provided with an input function equivalent to that equipped in the AMS-210D computer-controlled cycle machine. With its larger storage capacity, the machine supports diversified sewing patterns. In addition, the sewing machine functions and patterns can be input through the operation panel.

LK-1930 (Table stand is optionally available.)

Abundant input functions enable the machine to respond to the sewing requirements of all sewing patterns.

- With its automatic correction feature, the machine can enlarge/reduce patterns without deforming them.

- Ample storage capacity: maximum of 360,000 stitches on one floppy disk and 691 patterns on a hard disk.
  An EEP-ROM may be used.
- A maximum of 20,000 stitches can be input per pattern. With this large storage capacity, the machine supports embroidery patterns with large numbers of stitches.
- Functions that are frequently used in programming works such as normal sewing (linear sewing and spline sewing), point sewing, jumping, and thread trimming can be allocated to specific keys mounted on the operation panel. The use of these keys reduces the time required for data entry.

[Major input functions]

- Creation of linear, spline, arc, and circular stitches.
- Creation of various kinds of zigzag stitches, offset stitches, double-forward stitches, double-reverse stitches, automatic back-tuck, condensation stitches, overlapping stitches, etc.
- Arrangement of move, copy, erase, and symmetry functions.
- Mechanical command to actuate the tension controller No. 3, changes in jump speed, changes in sewing speed, etc.
- Data can be input using function numbers.

■ Specifications

Model name	LK-1910		LK-1920		LK-1930	
Application	Standard (S)	For heavy-weight materials (H)	Standard (S)	For heavy-weight materials (H)	Standard (S)	For heavy-weight materials (H)
Max. sewing speed	2,500rpm (when stitch length is 3mm or less)					
Sewing area	60mm(L) × 100mm(W)					
Stitch length	0.1 ~ 10mm				0.1 ~ 12.7mm	
Needle bar stroke	41.2mm					
Lift of the feeding frame	Max. 22mm(electromagnetic) / Max. 25mm(pneumatic)					
Lift of the intermediate presser	—		18mm			
Stroke of intermediate presser	—		Standard 4mm (0mm and 4mm ~ 10mm)			
Needle (at the time of delivery)	DP × 5(#14)	DP × 17(#18)	DP × 5(#14)	DP × 17(#18)	DP × 5(#14)	DP × 17(#18)
Hook	Double-capacity shuttle hook					
Feed motion work clamp foot	R-theta intermittent feed (2-shaft drive by stepping motor)					
Number of stitches that can be stored in memory	Max. 10,000 stitches				Max. 360,000 stitches (Max. 20,000 stitches/pattern)	
Number of patterns that can be input	64 patterns				691 patterns	
Input function	Not provided				Provided as standard	
Enlarging/reducing facility	20 ~ 200% (1% step) (by increasing/decreasing the stitch length)				1 ~ 400% (0.1% step) (by increasing/decreasing the stitch length or the number of stitches)	
Memory medium	EEP-ROM				2DD/2HD 3.5" micro-floppy disk (EEP-ROM can also be used.)	
Bobbin thread counter	Provided as standard					
Sewing machine motor	400W compact-size AC servo-motor(direct-drive type)					
Power consumption	Single-phase, 3-phase 600 W					
Weight	Machine head(when a motor is installed) 46kg, Electrical box 16.5kg				Machine head(when a motor is installed) 46kg, Electrical box 18kg	