



# JUKI LK-1905C/IP-510 Computer controlled, high speed, Pattern Sewing System with expanded sewing area



Pattern Sewing Machine with an expanded sewing area of 60mm width and 50mm length, a large hook with a 1.8 fold capacity and a short remaining thread cutter for upper and lower thread.

# The LK-1905C/IP-510 series by Busche

## Description

Pattern Sewing Machine with an expanded sewing area of 60mm width and 50mm length, a newly developed operation panel (selectable) and an intermediate presser foot (selectable).



## Areas of application

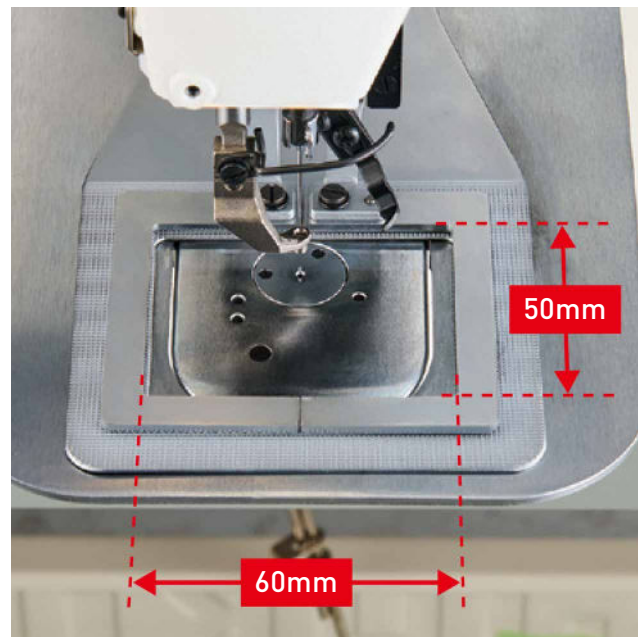
Versatile use for a wide range of applications including women's and men's outerwear, denim and knitwear.

## Advantages

- Expanded sewing area of 60mm width and 50mm length
- Large hook with a 1.8 fold capacity for heavy weight fabrics
- Memory capacity of 50,000,000 stitches and up to 999 patterns (with IP-510)
- Short remaining thread cutter
- Machine speed of 3.300 stitches per minute
- Movable eye guard device (selectable)
- Reduced vibration and noise due to direct drive head
- Auto-lifter with stepping motor system
- Work clamp foot lift can be set up to 17mm
- Needle thread grasping mechanism for consistent knot tying at the beginning of the sewing operation
- Position of sewing pattern can be corrected in accordance with the shape of the work clamp foot
- Dry head technology
- Electronic thread tension control mechanism

### Sewing area expansion: 60mm (X) × 50mm (Y)

It can be used for sewing patterns such as the elastic-tape connection of the boxer pants, the box sewing of the sleeve spread, and the attach the Velcro.



### Operation panel provided with programmable functions IP-510 (Selectable)

The IP-510 is the newly-developed operation panel that comes with a high-resolution touch-panel screen. The speed of response to the operation is increased. The operator is able to input/edit data while visually observing the needle entry points.

A file name consisting of 12 alphanumeric characters can be set to a piece of pattern data. As a result, it is possible to manage the sewing pattern using the file name. In addition, since the corrective measure is additionally displayed to the error message, easy resetting of the error is enabled. The operation panel is also provided as standard with a USB port. Data management and software update can be carried out with ease using a USB thumb drive.



### The memory storage capability of the main body of the sewing machine

Sewing data created with the IP-510 can be stored in the memory of the main body of the sewing machine. The memory storage capacity is 50,000,000 stitches and 999 patterns (max. 50,000 stitches per pattern) at the maximum.

### Intermediate presser (Selectable)

The intermediate presser foot prevents the material from flapping and produces beautiful sewn results, making it suitable for sewing processes that require frequent changes in stitch size and shape.

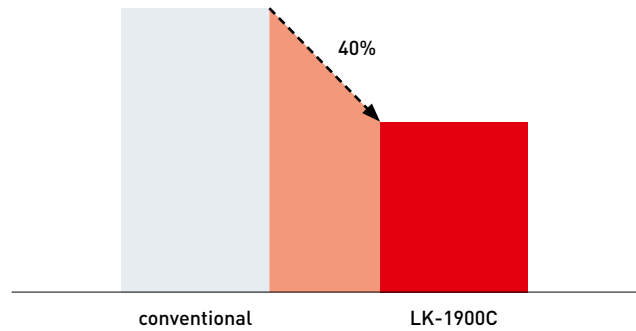


Intermediate presser

## Noise are reduced

This machine substantially reduces noise in comparison with the predecessor models to provide the work environment that takes reduction of the operator's fatigue into consideration.

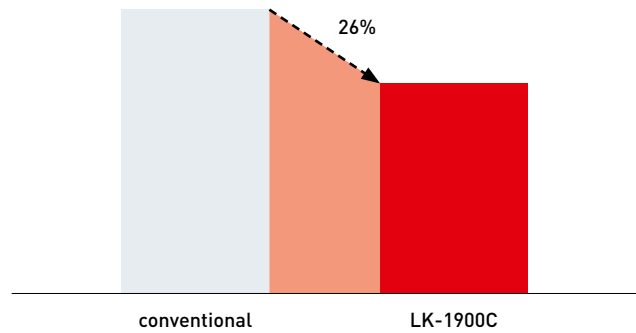
- Reduction of noise of the sewing machine by approximately 40%
  - > Stress on the ears is relieved



Comparison of noise (Comparison at the sewing speed of 3,200sti/min)

## Environmental-friendly power saving

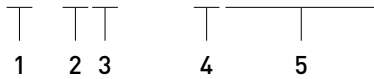
Aiming at the creation of environment-conscious products, an encoder is mounted on the stepping motor. Thanks to the JUKI's unique control technology, power consumption of this machine is reduced by approximately 26% in comparison with the predecessor model.



Comparison of power consumption

## Model Description

**LK1905C□S000□□□□□□**



- Machine classification  
5 = Pattern sewing 60mm (X) x 50mm (Y)
- Application  
S = For medium-weight materials  
W = With a 1.8 fold-capacity hook for heavy-weight materials

- Work clamp foot/thread clamp  
S = Standard work clamp foot/without thread clamp  
P = Intermediate presser/without thread clamp
- Power supply  
D = 3-phase 200 – 240V  
K = Single-phase 220 – 240V  
N = Single-phase 220 – 240V (for CE)
- Panel  
– = Standard panel  
IP510 = Color LCD touch operation panel

Subject to technical modification, EN 04-2026

### LK-1905C/IP-510



**Needle (at the time of delivery):**  
1



**Threads:**  
2



**Stitch length:**  
0.1mm - 10mm (0.1% step)



**Lift of work clamp foot:**  
17mm



**Max Sewing Speed:**  
3,300st/min.



**Number of stitches:**  
Max. 500,000



**Number of standard patterns:**  
100