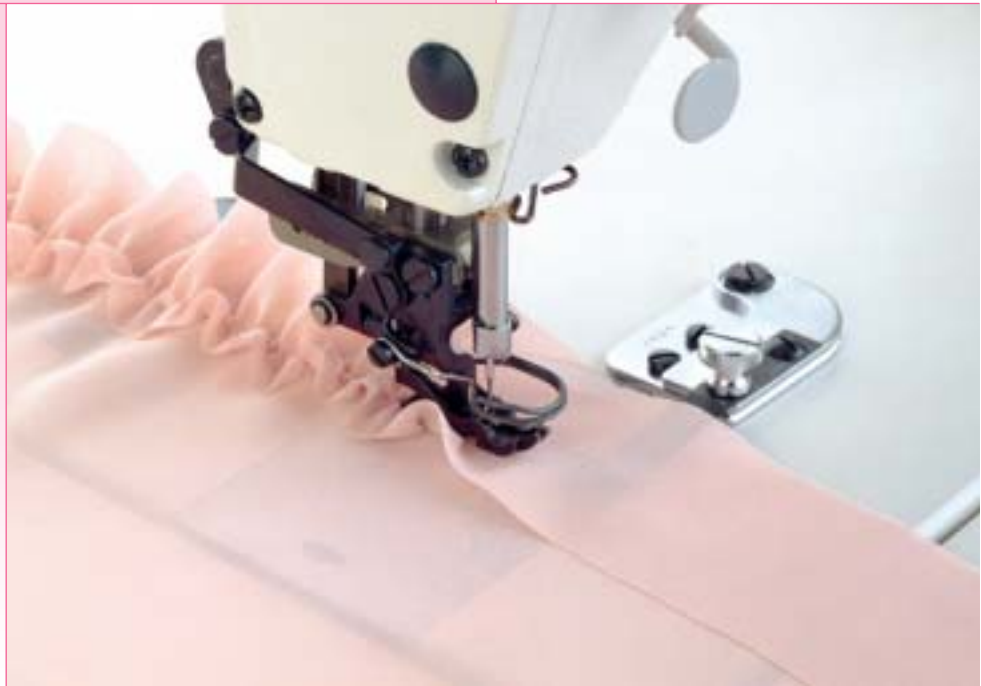


**JUKI®**

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

# DLU-5490N DLU-5490N-7

(with automatic thread trimmer)



DLU-5490N-7-WB/CP-160A

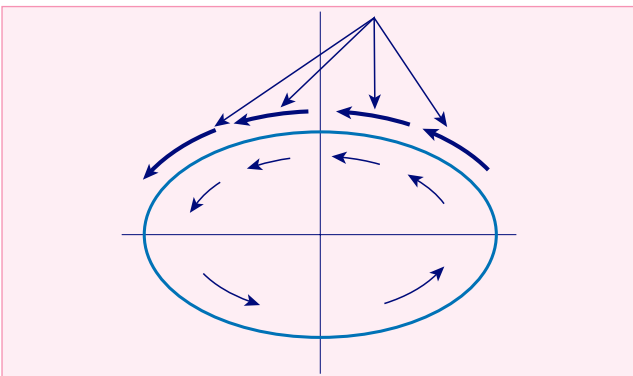
With its bottom and variable top-feed mechanism, the machine widely adapts to diversified applications and helps promote the production of upgraded-quality products while increasing efficiency.



DLU-5490N

### Ideally balanced top feed and bottom feed.

The top feed motion ideally synchronized with the bottom feed motion to uniformly feed the upper and lower cloths, assuring attractive stitches and uniform gathering stitches. This leads to a higher value of finished products.



### Sure thread trimming mechanism.

The machine comes with a thread trimming mechanism that performs speedy and sure thread trimming to achieve highly efficient sewing work.



### The durability of the walking foot has been dramatically improved.

The walking foot provides stable feed at all times, assuring high quality. It also eliminates the need for proficiency.



### The maximum top feed amount is 8mm.

The top feed amount has been increased to assure stable gathering stitches.



### Higher lift of the presser foot.

The large lift of the presser foot enables the operator to easily set or remove materials and sew overlapping sections without any difficulty.



## OPTIONS (With its full array of options, the machine further increases productivity.)

### ● Auto-lifter AK85 (pedal-driven)



### ● Partial shirring device PF-6

The partial shirring device permits very easy shirring.

### ● Micro-lifter Part No.: 112-43763

This device can be installed on the back of the faceplate. It is very convenient for frequent use.

### ● Remaining bobbin thread detector AE-4\* Part No.: GAE-04000A0

When the amount of remaining bobbin thread reaches the setting, the buzzer will sound to warn the operator not to press on the front part of the foot pedal. With this function, the operator doesn't have to look away from the sewing work to check the bobbin thread.

\* To retrofit the AE-4 to your existing machine, I/O unit A (part number: 400-06080), which is separately available, is required.



### ● Material edge sensor ED-2

When the sensor detects a material edge, it immediately stops the sewing machine and actuates the thread trimmer. This enhances productivity by allowing the operator to conduct sewing work without running to look out for missing stitches.



## Newly developed control box/Compact motor unit

### SC-910/M91

- SC-910 model control box is resistant to voltage fluctuations. It comes with a compact and energy-saving type switching power supply system that does not use a transformer. This contributes to improved reliability.
- The M91 model compact motor unit featuring low vibration and low noise capabilities is installed on the control box.
- The number of revolutions can be selected from among three different types (standard, slow and fast) according to the preference of the operator. In addition to this feature, the control box incorporates many different functions for upgraded workability.



## The operation panel can be selected according to the process.

### IP-100C

- The operation panel has been provided with a large user-friendly LCD. A pictograph and set values are shown on the same screen, which promises improved operability of the panel.
- The operation panel has been provided with a variety of communication and maintenance control features and is able to store data on a SmartMedia or personal computer.
- The features of the operation panel can be updated without the need for changing the PWB/ROM.



### CP-160A

- Pattern sewing can be performed by the number of stitch control feature.
- Four different kinds of pattern sewing are possible: automatic reverse stitching, constant-dimension sewing, rectangle-shape sewing, and multi-layer stitching. The maximum number of stitches that can be set for automatic reverse stitching (single or double) is 19.



## SPECIFICATIONS

Model name	DLU-5490N	DLU-5490N-7
Max. sewing speed	4,500rpm	
Max. stitch length	5mm	
Max. top-feed amount	8mm	
Needle bar stroke	30.7mm	
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm	
Needle (at the time of delivery)	DB x 1 (#14), For JE: 134 (Nm90)	
Hook	Automatic-lubricating full-rotary hook	
Lubrication	Automatic	
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)	
Automatic reverse feed function	—	Provided as standard
Power requirement	—	Single-phase 100 ~ 120V, 200 ~ 240V 3-phase 200 ~ 240V
Power consumption	—	650VA
Weight	Machine head: 30kg	Total weight: 83kg

## WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

DLU5490N   DLU5490N   7

Application	Code
For light-weight materials	<b>BA</b>
For medium-weight materials	<b>BB</b>
For heavy-weight materials	<b>BC</b>
For edge welt seam topstitching	<b>C</b>
To prevent it from catching materials	<b>CG</b>
For sewing sharp curves	<b>D</b>
For elastic materials	<b>E</b>
For setting zipper (right)	<b>J</b>
For binding	<b>L*</b>
For bottom hemming	<b>M*</b>
For piping	<b>N*</b>
For zipper attaching (left)	<b>P</b>
For preventing puckering	<b>S</b>

Wiper and automatic reverse feed function		
Wiper	Automatic reverse feed function	Code
Not provided	Provided	<b>0B</b>
Provided	Provided	<b>WB</b>

Auto-lifter (optional)	Code
Not provided	
Provided (AK85)	<b>AK</b>

\*Note

- When using the gauges L, M & N, attach them to the binder, etc. Since the prices are separate, please ask us of them.
- Various gauges other than those shown are also available.

### ● PSC box

SC910

PSC box				Code
For JUS (LA)*	Single-phase	100 ~ 120V	PFL	<b>S</b>
For JUS*, General Export	3-phase	200 ~ 240V	PFL	<b>D</b>
For General Export	Single-phase	200 ~ 240V	PFL	<b>K</b>
For EU (CE)	Single-phase	200 ~ 240V	PFL	<b>N</b>
For China	Single-phase	200 ~ 240V	PFL	<b>U</b>

\* JUS: North America and Central and South America

### ● Operation panel

Operation panel	Code
IP-100C	<b>IP100C</b>
CP-160A	<b>CP160A</b>

- To order, please contact your nearest JUKI distributor.

### ● Motor for SC

M91S

Control box	Code
Standard	<b>S</b>
Provided with built-in I/O board	<b>A</b>

- Control box provided with built in I/O board (Code A) should be selected for the machine head equipped with the remaining bobbin thread detector (AE-4).

Pulley belt	Code
Standard	<b>S</b>

**JUKI**  
**JUKI CORPORATION**  
**MARKETING & SALES H.Q.**

8-2-1, KOKURYO-CHO, CHOFU-SHI,  
 TOKYO 182-8655, JAPAN  
 PHONE : (81) 3-3480-2357, 2358  
 FAX : (81) 3-3430-4909, 4914  
<http://www.juki.com>

- \* Specifications and appearance are subject to change without prior notice for improvement.
- \* Read the instruction manual before putting the machine into service to ensure safety.
- \* This catalogue prints with environment-friendly soy ink on recycle paper.



### JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct the technological and technical research, the development and design of the products in which the environmental impact is considered.  
 ①the conservation of the energy and resources, and the recycling, in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc. and in the sale and maintenance service of the data entry system and in the purchase, distribution and sale of the household commodities including the healthcare products.