

**JUKI®**

1-needle, Differential-feed, Lockstitch Machine

# DLD-5430N DLD-5430N-7

(with automatic thread trimmer)



DLD-5430N-7-WB/CP-160A

With its highly reliable bottom-differential-feed mechanism, the machine promotes the production of upgraded-quality products while increasing efficiency.



DLD-5430N

### 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.



### Sewing mechanism that demonstrates outstanding responsiveness to materials to be sewn.

The thread take-up mechanism, thread path components and differential feed mechanism have all been improved. Thanks to these improvements, partial shirring can be performed with minimum tension applied to the material, thus leading to greater flexibility in responding to different types of material.



### Higher lift of the presser foot.

This machine is equipped with various devices that reduce the operator's fatigue and allow the operator to easily operate the machine. These devices include the following: The foot pedal needs only light pressure to be operated. The presser foot can be lifted as high as 13mm. The shape of the machine arm has been designed to allow the operator to handle any material with ease.



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

### ● Auto-lifter AK85 (pedal-driven)



### ● Gathering attachment Q036

For high-quality gathering, both effectively and consistently.



### ● Remaining bobbin thread detector AE-4\* Part No.: GAE-040000A0

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, an I/O board A (part number: 400-06080), which is separately available, is required.



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

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

### ● 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.



### ● Partial shirring device PF-7

The partial shirring device permits very easy shirring.

## 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	DLD-5430N	DLD-5430N-7
Max. sewing speed	4,500rpm	
Max. stitch length	5mm	
Max. top-feed amount	Shirring 1:1.5 (Max. 1:3*), Stretching 1:0.5	
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: 29kg	Total weight: 82kg

\*This ratio applies provided that the stitch length does not exceed 2.5mm.

## WHEN YOU PLACE ORDERS

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

DLD5430N7

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>

### ● 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 CE	Single-phase	200 ~ 240V	PFL	<b>N</b>

\* JUS: North America and Central and South America

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

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

### ● Motor for SC

M91S

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

### ● Operation panel

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

● To order, please contact your nearest JUKI distributor.



### JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct  
 ① the technological and technical research, the development and design of the products in which the environmental impact is considered.  
 ② the conservation of the energy and resources, and the recycling, in the research, development, design, distribution, sale and maintenance services of the industrial sewing machines, household sewing machines and industrial-use robots, etc. and in the purchase, distribution and sale of the household commodities including the healthcare products.

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\* 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 catalog is printed on recycle paper.