1-needle, Top & Bottom Feed, Lockstitch Machine

DU-140
DU-141NH (With a double-capacity hook)
DU-141H-7 (With a double-capacity hook, an automatic thread trimmer)

- DU-141H-7-0B/XC-E500
  ※ XC-E500 control panel is optionally available.
The basic sewing machine equipped to sew heavy-weight materials promises consistent seam quality and outstanding operability.

Through thoroughgoing study of sewing mechanisms such as the thread take-up mechanism, feed mechanism, and hook, consistent seam quality is promised. The machine’s many different features to enhance easy operation and increased productivity include a presser foot with a higher lift, a double-capacity hook (DU-141NH, DU-141H-7), and a larger allotment of free space under the arm. In addition, the model equipped with an automatic thread trimmer is built with a newly developed AC servomotor/control box that streamlines and smoothens operation through a high-power control mechanism and quick response.

1-needle, top & bottom feed, lockstitch machine

DU-140

DU-141NH (Double-capacity hook)

1. Consistent seam quality

With its unique thread take-up mechanism, feed mechanism, and hook, the machine feeds difficult-to-feed materials and multi-layered portions of material with great precision, thereby producing beautifully finished seams of consistent quality.

2. Higher lift of the presser foot

The presser foot can be pushed up as high as 15 mm using the knee lifter. This feature is especially effective for sewing processes that require a higher lift of the presser foot such as piping, binding-tape sewing, and sponge-cloth sewing.

3. Maximum stitch length of 9 mm

The stitch length is adjusted in the range of 0 to 9 mm both in the normal and reverse directions by operating the stitch dial. This feature allows the machine to be used in wider applications such as decorative stitching, which requires a larger pitch and sewing of tent sheets. The reverse-feed sewing length is also adjustable.

4. Frequency of bobbin thread replacement has been reduced.

The machine incorporates a horizontal-axis, double-capacity hook. By reducing the frequency of bobbin thread replacement, this type of hook further upgrades efficiency in operation.

(DU-141NH
DU-141H-7)
1-needle, top & bottom feed, lockstitch machine with an automatic thread trimmer

**DU-141H-7 (Double-capacity hook)**

- **Thread trimmer cuts a thread sharp without fail.**
  - The knife is driven by a thread trimming cam ideal for cutting thick threads at a sharp angle.

- **Automatic reverse feed function**
  - Reverse-feed stitching operation can be started simply by pressing the one-touch-type reverse-feed button. Furthermore, if a suspended ruler is attached on the machine or a 3-dimensional sewing product is sewn, the button can be shifted upward to prevent interruption.

- **Optional**
  - **Pneumatic auto-lifter**
    - The pneumatic auto-lifter comes in two different types: the knee-operated type (AK-114A) and the pedal-operated type (AK-114B). Select the type best suited for the applications of your machine.

**AC servomotor/controller**

**SC-380**

**Multi functioned, powerful, and smooth to operate**

- The SC-380 is provided with many different standard functions, including speed-control, soft-start, automatic reverse stitching with the specified number of stitches, constant-dimension stitching, and overlapped (multi-layered) stitching. These functions ensure sewing performance optimally suited to the material and process.

- With its higher torque under low-speed sewing, the SC-380 enables the sewing machine to smoothly start sewing operation. The unit is also provided with additional capabilities which enhance the sewing of extra heavy-weight materials by increasing the cloth-penetrating force of the needle for the first stitch of sewing, etc. With these capabilities, the sewing machine is able to demonstrate optimal sewing performance both widely and smoothly when working with heavy-weight materials.

**Control panel that improves functions of the sewing machine (optional)**

- The SC-380 is provided with program sewing and a host of other functions that contribute to increased efficiency.

- The SC-380 can be installed on the top of the sewing machine. All functions provided by the SC-380 can only be specified through the control panel.

- Data programmed in the control panel can be transferred to another sewing machine unit.
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>DU-140</th>
<th>DU-141NH</th>
<th>DU-141H-7</th>
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</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td></td>
<td></td>
<td>With an automatic thread trimmer</td>
</tr>
<tr>
<td><strong>Max. sewing speed</strong></td>
<td></td>
<td>2,000 rpm</td>
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<tr>
<td><strong>Max. stitch length</strong></td>
<td>35mm</td>
<td>37 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Lift of the presser foot</strong></td>
<td>By knee lifter: 15mm / By hand lifter: 7mm</td>
<td>By knee lifter: 15mm / By hand lifter: 6mm</td>
<td></td>
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<tr>
<td><strong>Needle bar stroke</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Alternating vertical movement</strong></td>
<td>Horizontal-axis full-rotary hook</td>
<td>Horizontal-axis full-rotary double-capacity hook</td>
<td></td>
</tr>
<tr>
<td><strong>Hook</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Needle</strong></td>
<td>DBX1(DPX17) #14 - #23(Standard #21)</td>
<td>DBX1(DPX17) #20 - #23(Standard #21)</td>
<td></td>
</tr>
<tr>
<td><strong>Thread take-up</strong></td>
<td>Link type</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Thread take-up</strong></td>
<td></td>
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<tr>
<td><strong>Lubrication</strong></td>
<td>Automatic</td>
<td></td>
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<tr>
<td><strong>Free space for sewing</strong></td>
<td>265 mm</td>
<td>270 mm</td>
<td></td>
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<tr>
<td><strong>Bed size</strong></td>
<td>477 mm x 178 mm</td>
<td></td>
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<tr>
<td><strong>Weight of the machine head</strong></td>
<td>32 kg</td>
<td>34 kg</td>
<td></td>
</tr>
<tr>
<td><strong>Automatic reverse feed function</strong></td>
<td>Provided as standard</td>
<td></td>
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</tbody>
</table>

### When you place orders

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

- **DU-140U**
- **DU-141NHU**

**DU-141H-7-0B**/

- **Motor for SC**

- **PSC box / control panel for SC**

- **SC-380**

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**JUKI®**

*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.*

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*To order, please contact your nearest JUKI distributor.*