PLC-2700 Series
Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

It is the most-advanced sewing machine which is best-suited to the sewing of heavy weight materials sewing processes such as car-seats, sofas and sports goods.

PLC-2710
(with automatic thread trimmer)

PLC-2710S-7-0BB/CP-180C

PLC-2710-7
(with automatic thread trimmer)

PLC-2760
(without automatic thread trimmer)

PLC-2760-7
(with automatic thread trimmer)

PLC-2760L
(thick-thread type)

PLC-2765
(organized split needlebars type)

PLC-2760SDA-7-0BB/CP-180C

Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

PLC-2700 Series
Most-advanced machine best suited to the stitching for heavy weight materials.

The long distance from the machine arm to the needle contributes to improved workability.

Stitches with authentic quality
(All PLC-2700 Series has achieved the max stitch length of 12mm.)

- **Stitch length can be changed over among different lengths.**
  The sewing machine with a thread trimmer is provided as standard with a 2-pitch dial. One unit of this sewing machine is able to sew different sewing lengths since the sewing length can be instantaneously changed over.

- **3D stitch**
  for car seat of head rest, arm rest, etc.

- **Topstitch**
  for car seat, sofas, etc.

- **Reduction of noise and vibration.**
  Reduce weight by using resin parts for surface of vibration point. Noise and vibration decrease by changing the gear of an Hook into a bevel gear.

- **High-torque direct-drive motor is installed.**
  The sewing machine provided with a thread trimmer has adopted a high-torque direct-drive motor which is suitable for heavy-weight materials. As a result, the sewing machine is excellent at its responsiveness and ensures increased penetration into the material even when sewing multi-layered parts.

- **Power of penetration rose by 30%**

The machine is the standard type without automatic thread trimmer, which is essential for topstitching processes.

---

**Standard**

**PLC-2710-7**
**PLC-2760-7**

Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

It is the most-advanced sewing machine which is best-suited to the sewing of heavy weight materials sewing processes such as car-seats, sofas and sports goods.

---

**PLC-2710**
**PLC-2760**

Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook

The machine is the standard type without automatic thread trimmer, which is essential for topstitching processes.
Feed mechanism applied to different materials

Walking-foot/presser-foot alternating vertical movement mechanism prevents irregular stitches
The sewing machine has adopted a feed mechanism which keeps the ratio between the amount of the vertical movement of the walking foot and that of the presser foot constant even when the material is changed. The amount of the alternating vertical movement of the walking foot and the presser foot is 9 mm at the maximum. This amount can be set with ease by means of the large dial installed on the upper section of the sewing machine.

Higher lift of the presser bar
A presser bar height of 20 mm is achieved when using the automatic presser bar lifting lever. Thanks to this feature, the process of joining leather and heavy-weight sponges, which are usually used as materials for expensive sofas, can be carried out with ease.

Excellent operability by the new mechanism

New mechanism of thread trimmer
Thread trimming can be stable even at the maximum 12mm sewing length. The hook which can be adjusted with screw amount of needle guard contact to needle. The needle guard can be easily adjusted. Therefore, it prevents stitch skipping and wear of hook edge.

New lubrication system
Oil does not flow backwards by a valve system. Therefore, oil can be supplied certainly even low speed. Thanks to the stable lubrication to the hook, it produces beautiful seams.

Double tension provided as : standard
The machine is able to perform sewing with low-count thread under a higher tension, which is difficult for the conventional single-tension method, with ease. The machine comes with a dual-tension thread tension system.

Multi-functional 6-string switch (with automatic thread trimmer)
Single or Double can be set easy through Multi-functional 6-string switch, regarding the machine with trimmer. (Available for more thick material) In addition to the one-touch type reverse feed switch, a multi-functional 6-string switch is also provided. Changeover of the amount of the alternating vertical movement of the walking foot and the presser foot and changeover of the stitch length can be done simply with this one push.

New bobbin thread spool device
New bobbin thread spool device is no necessity of rolling thread manually.

Subclass

PLC-2760L
2-needle, Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook (Thick-thread type)
Thanks to the hook, thread-take up and gauges exclusively designed for PLC-2760L, the machine can sew with thread count up to #6. The machine is provided with the exclusive top and bottom feed locus ideal for sewing with thick-thread.

PLC-2765
2-needle, Post-bed, Unison-feed, Lockstitch Machine with Vertical-axis Large Hook (Organized split needlebars type)
With its organized split needlebars, the machine produces well-balanced topstitch-seams even at the corners of materials such as sofas.
OPTION

Panel

List of gauge components

1-needle

<table>
<thead>
<tr>
<th>Part No.</th>
<th>throttle plate</th>
<th>Feed dog</th>
<th>Presser foot (asm.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLC-2710</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2710-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2710L</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2755</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2-needle

<table>
<thead>
<tr>
<th>Part No.</th>
<th>throttle plate</th>
<th>Feed dog</th>
<th>Presser foot (asm.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLC-2710</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2710-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2710L</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLC-2755</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WHEN YOU PLACE ORDERS

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

- Machine head
  - 1-needle (without automatic thread trimmer)
    - PLC2710S
    - PLC2710S70BB
  - 1-needle (with automatic thread trimmer)
    - PLC2710S
    - PLC2710S70BB

- 2-needle (without automatic thread trimmer)
  - PLC2760
  - PLC2760S
  - PLC2760S70BB

- 2-needle (with automatic thread trimmer)
  - PLC2760
  - PLC2760S
  - PLC2760S70BB

- 2-needle, organized split needlebars type (without automatic thread trimmer)
  - PLC2765
  - PLC2765S

- Control box
  - SC922B

CP18C

CP180C

To order, please contact your nearest JUKI distributor.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>PLC-2710</th>
<th>PLC-2710-7</th>
<th>PLC-2760</th>
<th>PLC-2760-7</th>
<th>PLC-2760L</th>
<th>PLC-2765</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>1-needle</td>
<td>2-needle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Sewing speed</td>
<td>2,500sti/min</td>
<td>2,000sti/min</td>
<td>2,500sti/min</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Needle</td>
<td>135×17tex Nm100~180 Standard Nm140</td>
<td>155×17tex Nm140~200 Standard Nm200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thread</td>
<td>TEX 50~167</td>
<td>#8~#0 TEX 50~167</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. stitch length</td>
<td>12mm (forward / backward)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stitch adjusting method</td>
<td>1 pitch dial</td>
<td>2 pitch dial</td>
<td>1 pitch dial</td>
<td>2 pitch dial</td>
<td>1 pitch dial</td>
<td>1 pitch dial</td>
</tr>
<tr>
<td>Thread take-up</td>
<td>Link type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic reverse feed function</td>
<td>Lever type</td>
<td>Pneumatic type</td>
<td>Lever type</td>
<td>Pneumatic type</td>
<td>Lever type</td>
<td>Lever type</td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>40mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>Vertical-axis 2.0-fold capacity hook (latch type)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift of the presser foot</td>
<td>By hand: 10mm</td>
<td>Auto: 20mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternating vertical movement</td>
<td>1~9mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternating vertical movement adjusting method</td>
<td>Dial</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DL device</td>
<td>Option</td>
<td>Provided as standard</td>
<td>Option</td>
<td>Provided as standard</td>
<td>Option</td>
<td>Option</td>
</tr>
<tr>
<td>Safety mechanism</td>
<td>Provided as standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobbin thread winder</td>
<td>Built in the machine arm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom-feed/micro-adjustment mechanism</td>
<td>Provided as standard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Automatic (Tank system)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distance from needle to machine arm</td>
<td>347mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post height</td>
<td>170mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knee-lifter</td>
<td>Provided as standard</td>
<td></td>
<td>Provided as standard</td>
<td></td>
<td>Provided as standard</td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Weight of the machine head</td>
<td>76kg</td>
<td>81kg</td>
<td>79kg</td>
<td>84kg</td>
<td>79kg</td>
<td>80kg</td>
</tr>
<tr>
<td>Power requirement/Power consumption</td>
<td>3-phase 200~240V/193VA (with automatic thread trimmer)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air consumption</td>
<td>—</td>
<td>0.1dm/min (ANR)</td>
<td>—</td>
<td>0.1dm/min (ANR)</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

*"sti/min" stands for "Stitches per Minute."

### JUKI ECO PRODUCTS

The PLC-2700 Series is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

- This sewing machine reduces power consumption by 28% as compared with the conventional models.
- As compared with the conventional model, PLC-2700 Series reduces noise by 6.0 dB.
- The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: [http://www.juki.co.jp/eco_e/index.html](http://www.juki.co.jp/eco_e/index.html)

* Above-mentioned JUKI ECO PRODUCTS is data of PLC-2760S-7 (with automatic thread trimmer).

---

![Juki Corporation Logo](image-url)

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

1. The development of products and engineering processes that are safe to the environment
2. Green procurement and green purchasing
3. Energy conservation (reduction in carbon-dioxide emissions)
4. Resource saving (reduction of papers purchased, etc.)
5. Reduction and recycling of waste
6. Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN
PHONE : (81) 42-357-2254
FAX : (81) 42-357-2274
http://www.juki.com

NOVEMBER, 2013 Printed in Japan(C)