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-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)

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.

Topstitch for car seat, sofas, etc.

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

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.

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

- It does not contain without automatic thread trimmer.
- Power of penetration rose by 30%

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.

2 pitch stitch dial

- 2 pitch stitch : 4 mm
- Standard stitch : 8 mm

Standard stitch dial

2 pitch stitch dial

- Standard stitch dial
- 2 pitch stitch

Stitches sample

- Stitches sample of Standard stitch dial
- Stitches sample of 2 pitch stitch dial

View of topstitching parts

- View of topstitching parts

High-torque direct-drive motor is installed.

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.

Stitching sample

- Stitching sample
- Topstitching sample

Power of penetration rose

- Power of penetration rose by 30%

Standard stitch dial

- Standard stitch dial
- 2 pitch stitch dial

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

Conventional model

- Conventional model

2 pitch stitch dial

- 2 pitch stitch dial
- Standard stitch dial

Topstitch for car seat, sofas, etc.

- Topstitch for car seat, sofas, etc.

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.

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.

Conventional model

- Conventional model

2 pitch stitch dial

- 2 pitch stitch dial
- Standard stitch dial

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.

- 2 pitch stitch : 4 mm
- Standard stitch : 8 mm

Stitching sample

- Stitching sample
- Topstitching sample

Power of penetration rose

- Power of penetration rose by 30%

Standard stitch dial

- Standard stitch dial
- 2 pitch stitch dial
Functions for improving seam quality and workability.

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.

Eccentricity of the feed driving cam is adjustable
Adjustment of the eccentricity of the feed driving cam has been enabled. As a result, the sewing machine is able to perform sewing with the feed that is best-suited to the material and thread used. It is no longer necessary to prepare other subclass model sewing machines.

The upper and lower feed ratio is adjustable
The upper and lower feed ratio can be changed only by the adjustment of the lower feed amount without changing the upper feed amount, thereby preventing material slippage.

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.

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

### Combination of the machine head specifications and optional devices at the time of delivery

**1-needle (without automatic thread trimmer)**

<table>
<thead>
<tr>
<th>PLC-2710S</th>
<th>PLC-2710S0BB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pneumatic auto-lifter</td>
<td>Code</td>
</tr>
<tr>
<td>Not provided</td>
<td>B</td>
</tr>
<tr>
<td>AK (Pedal switch type)</td>
<td>B</td>
</tr>
</tbody>
</table>

**2-needle (without automatic thread trimmer)**

<table>
<thead>
<tr>
<th>PLC-2760S</th>
<th>PLC-2760S0BB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td>Code</td>
</tr>
<tr>
<td>Standard</td>
<td>B</td>
</tr>
<tr>
<td>Thick-thread type</td>
<td>B</td>
</tr>
</tbody>
</table>

**2-needle (with automatic thread trimmer)**

<table>
<thead>
<tr>
<th>PLC-2765S</th>
<th>PLC-2765S0BB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td>Code</td>
</tr>
<tr>
<td>8mm</td>
<td>C</td>
</tr>
<tr>
<td>10mm</td>
<td>D</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PLC-2765S</th>
<th>PLC-2765S0BB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td>Code</td>
</tr>
<tr>
<td>With center guide</td>
<td>A</td>
</tr>
</tbody>
</table>

**Control box**

<table>
<thead>
<tr>
<th>SC922B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
</tr>
<tr>
<td>Single phase</td>
</tr>
<tr>
<td>3-phase</td>
</tr>
<tr>
<td>Single phase (for general export)</td>
</tr>
<tr>
<td>Single phase (for export)</td>
</tr>
<tr>
<td>Single phase (for China)</td>
</tr>
</tbody>
</table>

**Panel**

<table>
<thead>
<tr>
<th>CP18C</th>
<th>CP180C</th>
</tr>
</thead>
</table>

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

- **Machine head**
  - PLC-2710-7
  - PLC-2710-7
  - PLC-2760-7
  - PLC-2765-7

- **Part No.**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Throat plate**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Feed dog**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Presser foot**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Walking foot**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Feed lever base cover**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Side cover F**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Side cover A**
  - 40130008
  - 40130067
  - 40130061
  - 40139979

- **Needle gauge**
  - 8mm
  - 10mm
  - 12mm

- **Code**
  - 40038772
  - 40038774

- **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>135×17 Nm100~180 Standard</td>
<td>135×17 Nm140~200 Standard</td>
<td>15×17 Nm100~180 Standard Nm140</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Thread</td>
<td>TEX 50~167</td>
<td></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>#8~#0 TEX 50~167</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 Auto: 20mm</td>
<td>By hand: 10mm Auto: 18mm</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></td>
<td>Provided as standard</td>
</tr>
<tr>
<td>Auto-lifter</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>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>Single-phase 100<del>120V / 200</del>240V. 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

- 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).*