### Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LED Mounter JX-300LED</td>
</tr>
<tr>
<td>Board size</td>
<td>Standard specification 50×50 ～1,200×360mm</td>
</tr>
<tr>
<td></td>
<td>Longer size PWB [Note 1] 50×50 ～1,500×360mm</td>
</tr>
<tr>
<td>Component height</td>
<td>6mm/12mm</td>
</tr>
<tr>
<td>Component size</td>
<td>Laser recognition 0603/0201 ～[Note 2] 33.5mm</td>
</tr>
<tr>
<td>Placement speed</td>
<td>Optimum 27,100CPH</td>
</tr>
<tr>
<td></td>
<td>25,000CPH</td>
</tr>
<tr>
<td>Placement accuracy</td>
<td>±0.05mm(Cpk≥2.1)</td>
</tr>
<tr>
<td>Feeder inputs</td>
<td>Max.40 in case of 8mm tape</td>
</tr>
<tr>
<td>Power supply</td>
<td>200 to 415 VAC 3-phase</td>
</tr>
<tr>
<td>Apparent power</td>
<td>5.0kVA</td>
</tr>
<tr>
<td>Operating air pressure</td>
<td>0.5±0.05Mpa</td>
</tr>
<tr>
<td>Air consumption</td>
<td>345L/min(Opt: Vacuum Pump 50L/min)</td>
</tr>
<tr>
<td>Machine dimensions(W×D×H)</td>
<td>1,390×1,390×1,440mm</td>
</tr>
<tr>
<td>Mass(approximately)</td>
<td>1,200kg</td>
</tr>
</tbody>
</table>

[Note 1] Long board support is optional.
[Note 2] When equipped with the long board option, the machine width is 2,520mm.

### Options

- **Recognition system**: HMS(Height Measurement System) / Bad mark reader
- **Operation system**: Touch panel / HOD / Feeder position indicator
- **Conveyor**: Applicability to long PWB(1,500mm) / IN OUT buffer / Support table
- **Electrical protection**: Ground-fault interrupter / UPS
- **Others**: FCS calibration jg / Super foot / Castor / Vacuum Pump
- **Solder lighting / Component quantity control**: EPLU
- **Component handling and feeders**: Tape feeder (8 ～72mm) / Bulk feeder / Stick feeder
- **Matrix Tray Server TR5/ TR5S attachment kit** / Tray station
- **Feeder Calibration Jig with Monitor**: Trash box / Splicing jg / Tape reel mounting base / Feeder stocker

### Security software

- **Virus measurement software**: White list (standard)

### Notes

- Please refer to the product specification for details.

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**JUKI ECO PRODUCTS**

- The JUKI-MOUNTER, by virtue of its use of efficient energy consumption technology, is designed to minimize its environmental impact.

**JUKI GROUP GREEN PROCUREMENT GUIDELINES**

- JUKI takes measures to support the JUKI GROUP GREEN PROCUREMENT GUIDELINES in all the production processes.

**For detailed information on the operation and maintenance of this equipment, refer to the Operation Manual.**

**For security software, contact JUKI Corporation directly.**

For further details, please visit [http://www.juki.co.jp](http://www.juki.co.jp) or contact JUKI Corporation directly.
A flexible placement system, specially designed for LED lighting products and mid- to large LCD display backlights.

Supports ultra-long boards up to 1,500mm

Productivity is improved by optimizing placement distribution over placement areas and shortening the clamping time. A new high-speed clamping system reduces the transport time for long and super-long boards.

Wide variety of special nozzles for LEDs

JUKI has tremendous experience in LED placement and designs nozzles specifically for LEDs. Contact us for more information.

Unique features for flexibility

- Accurate placement even without fiducial marks
  Using JUKI lighting and fiducial recognition technology, the JX-300LED can use solder pads as fiducials.
- Remaining part quantity management
  To prevent variations of LED brightness due to lot differences, the number of parts remaining in the feeders is checked prior to starting production. If there are not enough parts to complete the board using the loaded feeders, an alarm is displayed.

Tray component support

A tray holder or TR5S matrix tray server is supported (option).

**JUKI laser centering for high speed, high accuracy placement**

- The integrated laser centering allows the head to move directly from the pick position to the placement position.
- Improved placement quality
  Component release is monitored by the laser sensor to ensure components are not picked up after placement. Blow-off can be set for components with sticky top surfaces.

**Component centering is done on-the-fly between the pick position and placement location by the integrated laser sensor.**

- High-precision placement of diffusion lenses
  JUKI laser centering can use pins on diffusion lenses for more accurate placement.

- Component release is monitored by the laser sensor to ensure components are not picked up after placement. Blow-off can be set for components with sticky top surfaces.

**Laser centering accurately determines the orientation of the pins.**

**LED Mounter**

- **JX-300LED**
  - 27,100CPH chip (Laser centering/Optimum)
  - 19,300CPH chip (Laser centering/IPC9850)
  - One multi-nozzle laser head (6 nozzles)
  - From 0603(0201) to 33.5mm square components