SCREEN PRINTERS

P-series

- Proven design, high accuracy and flexibility
- Three models available to meet all customer requirements
- Fully programmable printing parameters
- Print/print, print/flood, flood/print, on contact print,
  stencil printing, via filling, screen cleaning printing modes
- Extensive options for demanding advanced technology
  applications

Flexible high precision screen printers
The P-series of screen printers are designed for diverse (precise) screen printing applications in electronic components production, such as: LTCC, HTCC, MLCC, Hybrids, Photovoltaics etc. There are three models in two sizes available, based on similar mechanical design.

A wide range of options are available:

**B** (base model)
- affordable machine for general screen printing application
- AC motor driven squeegee
- Manual screen or printing table alignment by micrometer screws
- Automatic snap off settings
- PLC control
- Simplified mechanics

**S** (standard)
- for more demanding applications
- servo motor driven squeegee, programmable strokes,
- Manual screen or printing table alignment
- Automatic snap off settings
- Two USB cameras, cross line software for easy alignment, touch screen control.
- Via filling optional possible

**A** (advanced)
- for most demanding applications
- automatic printing table alignment by PC based vision system
- quick screen alignment and fixing
- joystick printing table control for manual operation
- All parameters programmable via touch screen

### Model comparison:

<table>
<thead>
<tr>
<th></th>
<th>SIZE200</th>
<th>SIZE400</th>
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<th>SIZE200</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>210 x 210mm</td>
<td>380 x 380mm</td>
<td>210 x 210mm</td>
<td>380 x 380mm</td>
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<td>380 x 380mm</td>
</tr>
<tr>
<td>Max. Printing area</td>
<td>8 x 8 inch</td>
<td>15 x 15 inch</td>
<td>8 x 8 inch</td>
<td>15 x 15 inch</td>
<td>8 x 8 inch</td>
<td>15 x 15 inch</td>
</tr>
<tr>
<td>Squeegee speed</td>
<td>50 - 250mm/s</td>
<td>0 - 350mm/s</td>
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</tr>
<tr>
<td>Squeegee force</td>
<td>2-10inch/s</td>
<td>0 - 14inch/s</td>
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<td>0 - 14inch/s</td>
</tr>
<tr>
<td>Average accuracy</td>
<td>+/-10microns</td>
<td>+/-5microns</td>
<td>+/-10microns</td>
<td>+/-5microns</td>
<td>+/-10microns</td>
<td>+/-5microns</td>
</tr>
<tr>
<td>Standard screen size</td>
<td>450x450x25mm</td>
<td>550x550x25mm</td>
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<tr>
<td>Max. Screen size</td>
<td>550x550x25mm</td>
<td>850x850x32mm</td>
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<td>850x850x32mm</td>
</tr>
<tr>
<td>Safety</td>
<td>Equipment complies with US and CE safety regulation</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>App. Dimensions: LXxBxH</td>
<td>1300x1100x1500mm 51 x 43 x 61inch</td>
<td>1600x1400x1500mm 63 x 55 x 61inch</td>
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<tr>
<td>Power consumption:</td>
<td>50 - 250mm/s</td>
<td>0 - 14inch/s</td>
<td>0.5 to 1kw (custom voltage connection)</td>
<td>0.6Mpa (85Psi), up to 300L/min consumption</td>
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### Technical:
- Max. Printing area:
- Squeegee speed:
- Squeegee force:
- Average accuracy:
- Standard screen size:
- Max. Screen size:
- Safety:
- App. Dimensions: LXxBxH
- Power consumption:
- Compressed air:

### Available options:

- Via filling
- Stencil tensioning frame and fixing:
- Custom substrate fixing:
- Automatic vision alignment:
- Cross line manual table alignment:
- Vacuum pump
- Dryer:
- Antistatic substrate cleaning:
- Automatic paste supply:

Not all possible options listed

### How to order:

P- xxx

vf in case of via filling option

Model B or S or A

Printer size 200 or 400

For size 200 air-vacuum exchanger included. For size 400 vacuum pump or external vacuum connection needed.

For low viscose pastes only.

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