

# 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, or contact print stencil printing, via filling, screen cleaning printing modes
- Extensive options for demanding advanced technology applications

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Flexible High Precision Screen Printers

## P-Series 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.

<b>B</b> (base model)	<b>S</b> (standard)	<b>A</b> (advanced)
<ul style="list-style-type: none"> <li>- affordable machine for general screen printing application</li> <li>- AC motor driven squeegee</li> <li>- Manual screen or printing table alignment by micrometer screws</li> <li>- Automatic snap off settings</li> <li>- PLC control</li> <li>- Simplified mechanics</li> </ul>	<ul style="list-style-type: none"> <li>- for more demanding applications</li> <li>- servo motor driven squeegee, programmable strokes,</li> <li>- Manual screen or printing table alignment</li> <li>- Automatic snap off settings</li> <li>- Two USB cameras, cross line software for easy alignment, touch screen control.</li> <li>- Via filling optional possible</li> </ul>	<ul style="list-style-type: none"> <li>- for most demanding applications</li> <li>- automatic printing table alignment by PC based vision system</li> <li>- quick screen alignment and fixing</li> <li>- joystick printing table control for manual operation</li> <li>- All parameters programmable via touch screen</li> </ul>

### Technical:

Max. Printing area:

Squeegee speed:

Squeegee force:

Average accuracy:

Standard screen size:

Max. Screen size:

Safety:

App. Dimensions: LxBxH

Power consumption:

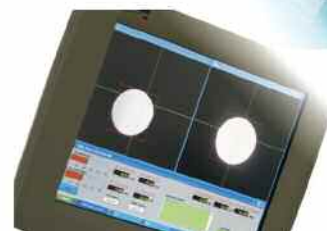
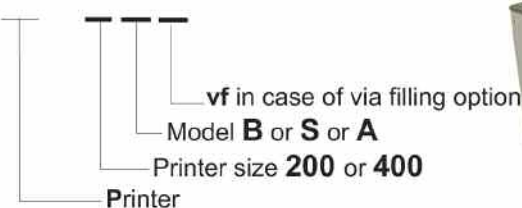
Compressed air:

	SIZE200	SIZE400	SIZE200	SIZE400	SIZE200	SIZE400
Max. Printing area:	210 x 210mm 8 x 8inch	380 x 380mm 15 x 15inch	210 x 210mm 8 x 8inch	380 x 380mm 15 x 15inch	210 x 210mm 8 x 8inch	380 x 380mm 15 x 15inch
Squeegee speed:	50 - 250mm/s 2-10inch/s	50 - 250mm/s 2-10inch/s	0 - 350mm/s 0-14inch/s	0 - 450mm/s 0-18inch/s	0 - 350mm/s 0-14inch/s	0 - 450mm/s 0-18inch/s
Squeegee force:	0-120N 0-27lbf	0-250N 0-55lbf	0-250N 0-55lbf	0-320N 0-72lbf	0-250N 0-55lbf	0-320N 0-72lbf
Average accuracy:	+/-10microns	+/-10microns	+/-5microns	+/-10microns	+/-5microns	+/-10microns
Standard screen size:	450x450x25mm	550x550x25mm	450x450x25mm Free adapter for custom screen	550x550x25mm	450x450x25mm	550x550x25mm
Max. Screen size:	550x550x25mm	850x850x32mm Equipment complies with US and CE safety regulation	550x550x25mm	850x850x32mm	550x550x25mm	850x850x32mm
Safety:						
App. Dimensions: LxBxH	1300x1100x1550mm 51 x 43 x 61inch	1600x1400x1550mm 63 x 55 x 61inch	1300x1100x1550mm 51 x 43 x 61inch	1600x1400x1550mm 63 x 55 x 61inch	1300x1100x1550mm 51 x 43 x 61inch	1600x1400x1550mm 63 x 55 x 61inch
Power consumption:			0.5 to 1kw (custom voltage connection)			
Compressed air:			0.6Mpa (85Psi), up to 300L/min consumption			
Available options:						
Via filling			✓	✓	✓	✓
Stencil tensioning frame and fixing:			✓	✓	✓	✓
Custom substrate fixing:	✓	✓	✓	✓	✓	✓
Automatic vision alignment:					INCLUDED	
Cross line manual table alignment:					INCLUDED	
Vacuum pump			INCLUDED For size 200 air-vacuum exchanger included. For size 400 vacuum pump or external vacuum connection needed. Available vacuum pumps are not suitable for clean room installation.			
Dryer:	✓	✓	✓	✓	✓	✓
Antistatic substrate cleaning:	✓	✓	✓	✓	✓	✓
Automatic paste supply:						
Not all possible options listed						

For low viscose pastes only.

How to order: \*

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\*Options and other requirements have to be specified separately

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