

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, etc. There are three models in two sizes available, based on similar mechanical design.

A wide range of options are available:

Model comparison:

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
- No cameras for alignment

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
- PLC control, PC+touch screen for settings

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
- Unlimited save/call programs

Technical:

Max. Printing area:

Squeegee speed:

Squeegee force:

Average accuracy:

Standard screen size:

Max. Screen size:

Safety:

App. Dimensions: LxBxH

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:

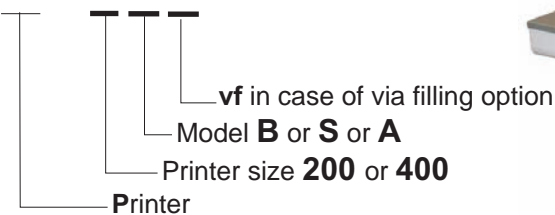
Not all possible options listed

	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	550x550x25mm	850x850x32mm	550x550x25mm	850x850x32mm
Safety:	Equipment complies with US and CE safety regulation					
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					
Via filling			✓	✓	✓	✓
Stencil tensioning frame and fixing:			✓	✓	✓	✓
Custom substrate fixing:	✓	✓	✓	✓	✓	✓
Automatic vision alignment:					INCLUDED	
Cross line manual table alignment:			INCLUDED		INCLUDED	
Vacuum pump	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:	✓	✓	✓	✓	✓	✓

For low viscose pastes only.

How to order: *

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* Options and other requirements have to be specified separately.