

# Screen Printer for Printed Electronics P-series



- Suitable for R&D/Prototyping Work
- More efficient use of materials
- Low capital investment
- Only technology for metal loaded paste
- Standard materials available reduces development time and risk
- High accuracy and multiple prints possible
- Less clean room real estate required
- Easily scaleable from laboratory to production scale
- Fully Programmable Printing Parameters

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**High Accuracy Screen Printers**

Our screen printers are specially designed with high accuracy and flexibility in mind to meet the most demanding screen printing applications. The following 3 base models 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:

	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				
Available options:							
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.					
Dryer:	✓	✓	✓	✓	✓	✓	
Antistatic substrate cleaning:	✓	✓	✓	✓	✓	✓	
Automatic paste supply:							
Not all possible options listed							

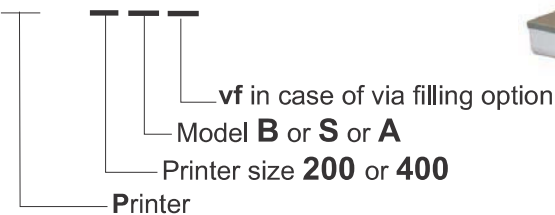
**Available options:**

- 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

For low viscosity inks.

**How to order: \***

**P- xxx**



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